Prüfbericht-Nr.: *Test Report No.:*	**50102284 001**	**Auftrags-Nr.:** *Order No.:*	1203052277	Seite 1 von 257 *Page 1 of 257*
Kunden-Referenz-Nr.: *Client Reference No.:*	368761	**Auftragsdatum:** *Order date:*	2017.09.29	
Auftraggeber: *Client:*	Toshiba Carrier (Thailand) Co., Ltd.			
Prüfgegenstand: *Test item:*	Air Conditioner (Split-type)			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	Indoor unit/ Outdoor unit (see all models on page 11-12)			
Auftrags-Inhalt: *Order content:*	EMC Test report			
Prüfgrundlage: *Test specification:*	**EN 55014-1:2017** **EN 55014-2:2015, Category IV** **EN 61000-3-2:2014** **EN 61000-3-12:2011** **EN 61000-3-3:2013** **EN 61000-3-11:2000**			
Wareneingangsdatum: *Date of receipt:*	2017.09.29	N/A		
Prüfmuster-Nr.: *Test sample No.:*	Engineering sample without serial number.			
Prüfzeitraum: *Testing period:*	2018.01.03 – 2018.02.21			
Ort der Prüfung: *Place of testing:*	Electrical and Electronic Products Testing Center			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland Thailand Ltd.			
Prüfergebnis*: *Test result*:*	**Pass**			

geprüft von / *tested by:*			**kontrolliert von** / *reviewed by:*		
2018.07.17 Montree Khumkratuk / Project Engineer			2018.07.17 SangHyeup Lee / Technical Certifier		
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other.* Details see next page.

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specification(s)		*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

Sonstiges/ *Other Aspects:*

- This test report consists of 257 pages.
- The purpose of this test report is for testing the series of indoor units and the outdoor unit.
- Testing laboratory: TÜV Rheinland Thailand Ltd.
  Global Technology Assessment Center (GTAC)
  123/1, Floor 1-2, Soi Chalongkung 31, Ladkrabang Industrial Estate, Lamplatew Sub-district,
  Ladkrabang District, Bangkok 10520 THAILAND

TEST SUMMARY

5.1.1 HARMONICS ON AC MAINS
RESULT: PASSED

5.1.2 VOLTAGE FLUCTUATIONS
RESULT: PASSED

5.1.3 MAINS TERMINAL CONTINUOUS DISTURBANCE VOLTAGE
RESULT: PSSED

5.1.4 DISCONTINUOUS DISTURBANCE
RESULT: PASSED

5.2.1 DISTURBANCE POWER
RESULT: PASSED

5.2.2 RADIATED DISTURBANCE
RESULT: N/A

6.2.1 RADIO-FREQUENCY COMMON MODE / CONDUCTED SUSCEPTIBILITY (CS)
RESULT: PASSED

***6.2.2* Radio frequency electromagnetic file**
RESULT: PASSED

6.3.1 ELECTRICAL FAST TRANSIENTS (EFT)
RESULT: PASSED

6.3.2 SURGE
RESULT: PASSED

6.3.3 ELECTROSTATIC DISCHARGES (ESD)
RESULT: PASSED

6.4.1 VOLTAGE DIPS AND INTERRUPTIONS
RESULT: PASSED

Contents

1. General Remarks

When applying the basic standard in this test report, the latest amendment is always included.

1.1 Complementary Materials

None

2. Test Sites

2.1 Test Facilities

Electrical and Electronic Products Testing Center
111 Thailand Science Park (TSP) Phahonyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120, Thailand

The tests at this test site have been conducted under the supervision of a TÜV Rheinland engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

5.1.1 HARMONICS ON AC MAINS

Equipment Name	Manufacture	Model	S/N	Traceability	Due date
Signal Conditioning Unit	TESEQ	CCN1000-3	1347A01034	A2LA	23-02-18
AC-Power Source	TESEQ	NSG1007	1347A01034	-	23-02-18

5.1.2 VOLTAGE FLUCTUATIONS

Equipment Name	Manufacture	Model	S/N	Traceability	Due date
Signal Conditioning Unit	TESEQ	CCN1000-3	1347A01034	A2LA	05-02-18
Three Phase Impedance Network	TESEQ	INA2197	1347A01034	A2LA	05-02-18

5.1.3 MAINS TERMINAL CONTINUOUS DISTURBANCE VOLTAGE

Equipment Name	Manufacture	Model	S/N	Traceability	Due date
EMI Test Receiver	Rohde & Schwarz	ESU26	100459	DKD	02-03-18
LISN	TESEQ	NNB52	36109	NIMT	05-02-18

5.1.4 DISCONTINUOUS DISTURBANCE

Equipment Name	Manufacture	Model	S/N	Traceability	Due date
Click Analyzer	AFJ	CL55C	55040019052	UKAS	10-09-18
LISN	Rohde & Schwarz	ESH2-Z5	831886/009	NIMT	05-02-18

5.2.1 DISTURBANCE POWER

Equipment Name	Manufacture	Model	S/N	Traceability	Due date
EMI Test Receiver	Rohde & Schwarz	ESU26	100459	DKD	02-09-17
Pre-Amplifier	HP	8447FGPTH64	3113A05499	NIMT	05-02-18
Absorbing Clamp	TESEQ	AMZ41A	38694	TESEQ	08-03-18

5.2.2 RADIATED DISTURBANCE

N/A

6.2.1 RADIO-FREQUENCY COMMON MODE / CONDUCTED SUSCEPTIBILITY (CS)

Equipment Name	Manufacture	Model	S/N	Traceability	Due date
EM clamp	TESEQ	KEMZ 801AS50	38662	TESEQ	14-05-18
Compact immunity test system	TESEQ	NSG 4070B-30	39604	DKD	04-05-18
Dual directional coupler	TESEQ	DCP 0100A	40093	TESEQ	04-05-18
Power Amplifier	TESEQ	CBA400M-110	T44431	TESEQ	20-05-18
Current injection probe	TESEQ	CIP 9136A	35442	TESEQ	15-05-18
Coupling/Decoupling network	TESEQ	CDN M332S	37751	TESEQ	14-05-18

6.2.2 RADIO FREQUENCY ELECTROMAGNETIC FIELDS

Equipment Name	Maufacture	Model	S/N	Traceability	Due date
Power Meter Power	TESEQ	PM6006	74529	NIST	15-05 -19
RF Generator Power	TESEQ	ITS6006	37556	NIST	15-05 -19
Bilog Antenna	TESEQ	AS1860-50	1067826	NIST	15-05 -19
Amplifier Power	TESEQ	PM6006	74530	NIST	15-05 -19
Stacked Double Log	SCHWARZ BECK	STLP9149	9149-326	NIST	15-05 -19

6.3.1 ELECTRICAL FAST TRANSIENTS (EFT)

Equipment Name	Manufacture	Model	S/N	Traceability	Due date
EFT Simulator	TESEQ	NSG 3040/ CDN 3043/ FTM 3425-40	1943/2026/419	NIST	20-11-18
Capacitive Coupling Clamp	TESEQ	CDN 3425	1752	-	-

6.3.2 SURGE

Equipment Name	Manufacture	Model	S/N	Traceability	Due date
Surge Simulator	TESEQ	NSG3040/ CDN 3043/ CWM 3450-40	1943/2026/1093	NIST	20-11-18

6.3.3 ELECTROSTATIC DISCHARGES (ESD)

Equipment Name	Manufacture	Model	S/N	Traceability	Due date
ESD Generator	TESEQ	NSG438	1226	NIST	20-11-18

6.4.1 VOLTAGE DIPS AND INTERRUPTIONS

Equipment Name	Manufacture	Model	S/N	Traceability	Due date
PQF Simulator	TESEQ	NSG 3041/ PQM 3403/ INA 6501	1943/1035/223	NIST	20-11-18

3. General Product Information

- The appliances covered by this report are split type air conditioners for cooling and heating modes. They are class I appliances.
- Cooling and heating modes are applied by reverse cycle method (no additional heating elements).
- Each system consists of indoor and outdoor unit. The indoor units are Hi-wall, 4 way cassette, Celling, ducted type air conditioner.
- The Outdoor units are provided with terminals for connection to supply main by fixed wires and also terminals for connection to indoor units.
- The main power is supplied by a single-phase, 3-pole power supply cable (including PE). Outdoor and indoor parts are connected by interconnection cable.
- The indoor unit is equipped with a wired remote control unit and infrared wireless battery powered remote control unit.
- The refrigerant of R32 is used in this air conditioner and refrigerant charge see page 11 -12.

Differences between models:

Test Set up No.	Indoor Unit Rating 220-240V, 50Hz 220V, 60Hz	Type	Type	Power input	PCB	Fan motor
1	RAV-RM301KRTP-E RAV-RM301KRTP-TR	Hi-wall	1.0HP	40W	MCC-1696	ICF-340-30-6
2	RAV-RM401KRTP-E RAV-RM401KRTP-TR		1.5HP			
--	RAV-RM561KRTP-E RAV-RM561KRTP-TR		2.0HP	55W		
3	RAV-RM801KRTP-E RAV-RM801KRTP-TR		3.0HP			
5	RAV-RM561UTP-E RAV-RM561UTP-TR	4 way cassete	2.0HP	40W	MCC-1570	ICF-280-150-1
6	RAV-RM801UTP-E RAV-RM801UTP-TR		3.0HP			
--	RAV-RM1101UTP-E RAV-RM1101UTP-TR		4.0HP	120W		
7	RAV-RM1401UTP-E RAV-RM1401UTP-TR		5.0HP			
8	RAV-RM401CTP-E RAV-RM401CTP-TR	Ceiling	1.5HP	70W	MCC-1643	ICF-340WD94-1
9	RAV-RM561CTP-E RAV-RM561CTP-TR		2.0HP	103W		
10	RAV-RM801CTP-E RAV-RM801CTP-TR		3.0HP	185W		ICF-340WD94-2
--	RAV-RM1101CTP-E RAV-RM1101CTP-TR		4.0HP			ICF-340WD139-1
11	RAV-RM1401CTP-E RAV-RM1401CTP-TR		5.0HP			
12	RAV-RM561BTP-E RAV-RM561BTP-TR	Duct	2.0HP	160W	MCC-1631	ICF-340WD150-2
13	RAV-RM801BTP-E RAV-RM801BTP-TR		3.0HP	255W		ICF-340WD150-1
--	RAV-RM1101BTP-E RAV-RM1101BTP-TR		4.0HP	410W		ICF-340WD250-1
14	RAV-RM1401BTP-E RAV-RM1401BTP-TR		5.0HP			

Differences between models: (Continued)

Test set up no.	Outdoor Unit 220-240V, 50Hz 220V, 60Hz 1 Phase	Type	Power input	Current (A)	PCB	Fan motor	Com pressor
1	RAV-GM301ATP-E RAV-GM301ATJP-E RAV-GM301ATP-TR	1.0HP	1.55kW	7.05	WP-030	WDF-340-A43-1 alternative ICF-140-43-4R	KSK 89D53UFZ
2	RAV-GM401ATP-E RAV-GM401ATJP-E RAV-GM401ATP-TR	1.5HP	2.07kW	9.4			KTN 130D30UFZ
--	RAV-GM561ATP-E RAV-GM561ATJP-E RAV-GM561ATP-TR	2.0HP	3.00kW	13.5	MCC-1645		DX 150A1T-20F
--	RAV-GP561ATP-E RAV-GP561ATJP-E RAV-GP561ATP-TR		3.11kW	14.1	MCC-1713		DX 150A1T-21F
3	RAV-GM801ATP-E RAV-GM801ATJP-E RAV-GM801ATP-TR	3.0HP	3.61kW	15.3	MCC-1645		DX 150A1T-20F
--	RAV-GP801AT-E RAV-GP801ATJ-E RAV-GP801AT-TR		4.69kW	**21.3**	MCC-1705	ICF-280-A60-1	NX 220A1F-20N
--	RAV-GM1101ATP-E RAV-GM1101ATJP-E RAV-GM1101ATP-TR	4.0HP	5.14kW	**23.3**	MCC-1648	WDF-340-A100-1 alternative ICF-280-A100-1	DX 330A2T-20M
4	RAV-GM1401ATP-E RAV-GM1401ATJP-E RAV-GM1401ATP-TR	5.0HP		**28.2**			

Therefore models as below are representative models for testing of this.

(Indoor unit/Outdoor unit)
SET UP 1 : RAV-RM301KRTP-E/RAV-GM301ATP-E
SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E
SET UP 3 : RAV-RM801KRTP-E/RAV-GM801ATP-E
SET UP 4 : RAV-SM1401UTP-E*/RAV-GM1401ATP-E
SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1*
SET UP 6 : RAV-RM801UTP-E/RAV-SM804ATP-E*
SET UP 7: RAV-RM1401UTP-E/RAV-SM1404ATP-E*
SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E*
SET UP 9 : RAV-RM561CTP-E/RAV-SP564ATP-A1*
SET UP 10 : RAV-RM801CTP-E/RAV-SM1404ATP-E*
SET UP 11: RAV-RM1401CTP-E/RAV-SM1404ATP-E*
SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E*
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1*
SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E*

Note:* :dummy load for testing.

3.1 Product Function and Intended Use

Refer to Technical Construction File and User Manual.

3.2 Ratings and System Details

System input voltage:	220-240V/ 220V
Frequency:	50Hz / 60Hz
Protection class:	I
Rated power/current:	See page 11-12

Refer to the Technical Construction File for further information

3.3 Independent Operation Modes

A: Normal operation in cooling mode set temperature to 20°C and set fan speed to maximum.
B: Normal operation in cooling mode set temperature to 20°C and change fan speed between low and high.
C: The air temperature shall be controlled by changing the time interval every 10 minutes of operation of the Compressor motor (ON and OFF every 10 minutes).
D: Normal operation in heating mode set temperature to 30°C and set fan speed to maximum.
E: Normal operation in heating mode set temperature to 30°C and change fan speed between low and high.

Refer to user manual for further information.

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Technical Construction File.

3.5 Submitted Documents

Technical Construction File
Circuit Diagram
Construction drawing
Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

Immunity: The equipment under test (EUT) was configured to have its highest possible susceptibility against the tested phenomena. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Refer to test set-up in chapter 5 and chapter 6 of EN 55014-1 and chapter 7.3.1.20 of EN 55014-1 for operating conditions.

Refer to Test conditions on referred standards.

TEST SET UP:
(Indoor unit/Outdoor unit)
SET UP 1 : RAV-RM301KRTP-E/RAV-GM301ATP-E
SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E
SET UP 3 : RAV-RM801KRTP-E/RAV-GM801ATP-E
SET UP 4 : RAV-SM1401UTP-E*/RAV-GM1401ATP-E
SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1*
SET UP 6 : RAV-RM801UTP-E/RAV-SM804ATP-E*
SET UP 7: RAV-RM1401UTP-E/RAV-SM1404ATP-E*
SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E*
SET UP 9 : RAV-RM561CTP-E/RAV-SP564ATP-A1*
SET UP 10 : RAV-RM801CTP-E/RAV-SM1404ATP-E*
SET UP 11: RAV-RM1401CTP-E/RAV-SM1404ATP-E*
SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E*
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1*
SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E*

Note:* :dummy load for testing.

SET UP 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 are representative models for testing to compliance with harmonics and flickers in this report.

SET UP 1, 2, 5, are representative models for testing to compliance with voltage fluctuation in this report.
SET UP 3, 4, 6, 7, 8, 9 , 10, 11, 12, 13, 14 are representative models for testing to compliance with voltage fluctuation in this report.(>16A)

SET UP 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 are tested additionally for Continuous Disturbance Voltage.
SET UP 2, 3, 5, 8, 12, 13, 14 are tested additionally for Discontinuous Disturbance.
SET UP 2, 3, 4, 5, 7, 8, 12, 13, 14 are tested additionally for Disturbance Power.
SET UP 9, 10, 12, 14 are tested additionally for Radiated Disturbance.

SET UP 2, 5, 8, 13, 14 are tested additionally for Conducted Susceptibility.
SET UP 14 are tested additionally for Radio frequency electromagnetic fields.
SET UP 2, 5, 8, 13, 14 are tested additionally for Electrical Fast Transients.
SET UP 2, 5, 8, 13, 14 are tested additionally for Surge.
SET UP 2, 5, 8, 13, 14 are tested additionally for Electrostatic Discharges.
SET UP 2, 5, 8 are tested additionally for Voltage Dips

4.3 Special Accessories and Auxiliary Equipment

None

4.4 Countermeasures to achieve EMC Compliance

The test sample, which has been tested, contained the noise suppression parts as described in the Technical Construction File. No additional measures were employed to achieve compliance.

5. Test Results E M I S S I O N

5.1 Emission in the Frequency Range up to 30 MHz

5.1.1 Harmonics on AC Mains

RESULT: **PASSED**

Date of testing : 2018.01.03 – 2018.02.21

Test procedure : EN 61000-3-2:2014 for SET UP 1,2,3,5,6,8,12
EN 61000-3-12:2011 for SET UP 4,7,9,10,11,13,14

Measured harmonics : 1 – 40
Equipment Class : A

Input Voltage : AC 230V, 50Hz
Operation mode : A, D

Table 2: Test result of harmonic current emission on AC Mains

SET UP 1 : RAV-RM301KRTP-E/RAV-GM301ATP-E

Har.Order	Reading (A)		Limit (A)	Har.Order	Reading (A)		Limit (A)
	Mode A	Mode D			Mode A	Mode D	
1	--	--	--	21	0.018	0.063	0.107
2	0.019	0.018	1.080	22	0.001	0.003	0.084
3	1.533	1.411	2.300	23	0.018	0.065	0.098
4	0.008	0.008	0.430	24	0.001	0.002	0.077
5	0.479	0.727	1.140	25	0.017	0.037	0.090
6	0.005	0.007	0.300	26	0.001	0.002	0.071
7	0.177	0.553	0.770	27	0.005	0.013	0.083
8	0.003	0.006	0.230	28	0.001	0.002	0.066
9	0.145	0.249	0.400	29	0.013	0.027	0.078
10	0.003	0.004	0.184	30	0.001	0.002	0.061
11	0.043	0.113	0.330	31	0.012	0.039	0.073
12	0.002	0.003	0.153	32	0.001	0.002	0.058
13	0.047	0.058	0.210	33	0.003	0.022	0.068
14	0.002	0.003	0.131	34	0.001	0.003	0.054
15	0.057	0.116	0.150	35	0.006	0.028	0.064
16	0.002	0.003	0.115	36	0.001	0.003	0.051
17	0.022	0.101	0.132	37	0.006	0.039	0.061
18	0.002	0.003	0.102	38	0.001	0.003	0.048
19	0.023	0.033	0.118	39	0.006	0.034	0.058
20	0.001	0.003	0.092	40	0.001	0.003	0.046

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

Har.Order	Reading (A)		Limit (A)	Har.Order	Reading (A)		Limit (A)
	Mode A	Mode D			Mode A	Mode D	
1	--	--	--	21	0.076	0.065	0.107
2	0.013	0.012	1.080	22	0.002	0.001	0.084
3	1.218	1.149	2.300	23	0.028	0.044	0.098
4	0.006	0.006	0.430	24	0.002	0.001	0.077
5	0.771	0.623	1.140	25	0.037	0.029	0.090
6	0.004	0.004	0.300	26	0.001	0.001	0.071
7	0.484	0.440	0.770	27	0.041	0.026	0.083
8	0.003	0.003	0.230	28	0.001	0.001	0.066
9	0.132	0.174	0.400	29	0.027	0.028	0.078
10	0.003	0.002	0.184	30	0.001	0.001	0.061
11	0.079	0.080	0.330	31	0.028	0.027	0.073
12	0.003	0.002	0.153	32	0.002	0.001	0.058
13	0.138	0.079	0.210	33	0.048	0.025	0.068
14	0.002	0.002	0.131	34	0.002	0.001	0.054
15	0.142	0.107	0.150	35	0.046	0.033	0.064
16	0.002	0.002	0.115	36	0.002	0.002	0.051
17	0.060	0.063	0.132	37	0.033	0.033	0.061
18	0.002	0.002	0.102	38	0.002	0.002	0.048
19	0.078	0.042	0.118	39	0.043	0.031	0.058
20	0.002	0.001	0.092	40	0.002	0.002	0.046

SET UP 3 : RAV-RM801KRTP-E/RAV-GM801ATP-E

Har.Order	Reading (A)		Limit (A)	Har.Order	Reading (A)		Limit (A)
	Mode A	Mode D			Mode A	Mode D	
1	--	--	--	21	0.037	0.050	0.107
2	0.025	0.027	1.080	22	0.002	0.002	0.084
3	1.553	1.645	2.300	23	0.019	0.029	0.098
4	0.010	0.011	0.430	24	0.002	0.002	0.077
5	0.652	0.626	1.140	25	0.009	0.018	0.090
6	0.005	0.007	0.300	26	0.002	0.002	0.071
7	0.620	0.594	0.770	27	0.034	0.038	0.083
8	0.004	0.006	0.230	28	0.002	0.002	0.066
9	0.316	0.304	0.400	29	0.048	0.050	0.078
10	0.003	0.004	0.184	30	0.002	0.002	0.061
11	0.120	0.149	0.330	31	0.029	0.045	0.073
12	0.003	0.003	0.153	32	0.002	0.002	0.058
13	0.091	0.111	0.210	33	0.023	0.029	0.068
14	0.003	0.003	0.131	34	0.002	0.002	0.054
15	0.076	0.048	0.150	35	0.055	0.046	0.064
16	0.002	0.003	0.115	36	0.002	0.003	0.051
17	0.056	0.059	0.132	37	0.056	0.062	0.061
18	0.002	0.003	0.102	38	0.002	0.003	0.048
19	0.059	0.084	0.118	39	0.045	0.047	0.058
20	0.002	0.002	0.092	40	0.003	0.003	0.046

SET UP 4 : RAV-SM1401UTP-E/RAV-GM1401ATP-E
EN 61000-3-12:2011, Rsce = 47

Har. Order	Reading Mode A (%)	Reading Mode D (%)	Limit (%)
1	20.00	19.92	--
2	2.258	2.433	8.00
3	20.624	20.496	22.82
4	0.942	1.048	4.00
5	8.794	8.438	11.88
6	0.351	0.377	2.67
7	4.391	4.707	7.68
8	0.216	0.244	2.00
9	1.396	1.299	4.18
10	0.178	0.198	1.60
11	1.601	1.328	3.44
12	0.100	0.128	1.33
13	1.993	2.089	2.34
THD	23.96	23.71	24.53
PWHD	17.49	17.13	24.53

SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

Har.Order	Reading (A)		Limit (A)	Har.Order	Reading (A)		Limit (A)
	Mode A	Mode D			Mode A	Mode D	
1	--	--	--	21	0.041	0.081	0.107
2	0.032	0.034	1.080	22	0.003	0.003	0.084
3	0.494	0.866	2.300	23	0.025	0.079	0.098
4	0.012	0.014	0.430	24	0.002	0.003	0.077
5	1.062	1.082	1.140	25	0.057	0.042	0.090
6	0.007	0.008	0.300	26	0.003	0.002	0.071
7	0.498	0.738	0.770	27	0.034	0.015	0.083
8	0.006	0.006	0.230	28	0.003	0.002	0.066
9	0.040	0.214	0.400	29	0.023	0.032	0.078
10	0.005	0.004	0.184	30	0.002	0.002	0.061
11	0.138	0.122	0.330	31	0.042	0.034	0.073
12	0.003	0.004	0.153	32	0.002	0.002	0.058
13	0.134	0.067	0.210	33	0.042	0.014	0.068
14	0.004	0.003	0.131	34	0.003	0.003	0.054
15	0.103	0.099	0.150	35	0.021	0.037	0.064
16	0.004	0.003	0.115	36	0.003	0.003	0.051
17	0.012	0.075	0.132	37	0.042	0.056	0.061
18	0.003	0.003	0.102	38	0.003	0.003	0.048
19	0.085	0.010	0.118	39	0.038	0.046	0.058
20	0.002	0.003	0.092	40	0.003	0.003	0.046

SET UP 6 : RAV-RM801UTP-E/RAV-SM804ATP-E

Har.Order	Reading (A)		Limit (A)	Har.Order	Reading (A)		Limit (A)
	Mode A	Mode D			Mode A	Mode D	
1	--	--	--	21	0.037	0.050	0.107
2	0.025	0.027	1.080	22	0.002	0.002	0.084
3	1.553	1.645	2.300	23	0.019	0.029	0.098
4	0.010	0.011	0.430	24	0.002	0.002	0.077
5	0.652	0.626	1.140	25	0.009	0.018	0.090
6	0.005	0.007	0.300	26	0.002	0.002	0.071
7	0.620	0.594	0.770	27	0.034	0.038	0.083
8	0.004	0.006	0.230	28	0.002	0.002	0.066
9	0.316	0.304	0.400	29	0.048	0.050	0.078
10	0.003	0.004	0.184	30	0.002	0.002	0.061
11	0.120	0.149	0.330	31	0.029	0.045	0.073
12	0.003	0.003	0.153	32	0.002	0.002	0.058
13	0.091	0.111	0.210	33	0.023	0.029	0.068
14	0.003	0.003	0.131	34	0.002	0.002	0.054
15	0.076	0.048	0.150	35	0.055	0.046	0.064
16	0.002	0.003	0.115	36	0.002	0.003	0.051
17	0.056	0.059	0.132	37	0.056	0.062	0.061
18	0.002	0.003	0.102	38	0.002	0.003	0.048
19	0.059	0.084	0.118	39	0.045	0.047	0.058
20	0.002	0.002	0.092	40	0.003	0.003	0.046

SET UP 7: RAV-RM1401UTP-E/RAV-SM-1404ATP-E

EN 61000-3-12:2011, Rsce = 47

Har. Order	Reading Mode A (%)	Reading Mode D (%)	Limit (%)
1	20.00	19.92	--
2	2.258	2.433	8.00
3	20.624	20.496	22.82
4	0.942	1.048	4.00
5	8.794	8.438	11.88
6	0.351	0.377	2.67
7	4.391	4.707	7.68
8	0.216	0.244	2.00
9	1.396	1.299	4.18
10	0.178	0.198	1.60
11	1.601	1.328	3.44
12	0.100	0.128	1.33
13	1.993	2.089	2.34
THD	23.96	23.71	24.53
PWHD	17.49	17.13	24.53

SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

Har.Order	Reading (A)		Limit (A)	Har.Order	Reading (A)		Limit (A)
	Mode A	Mode D			Mode A	Mode D	
1	--	--	--	21	0.071	0.086	0.107
2	0.041	0.050	1.080	22	0.004	0.004	0.084
3	1.192	1.194	2.300	23	0.042	0.097	0.098
4	0.006	0.005	0.430	24	0.004	0.003	0.077
5	0.563	0.658	1.140	25	0.026	0.022	0.090
6	0.009	0.010	0.300	26	0.002	0.005	0.071
7	0.365	0.551	0.770	27	0.032	0.041	0.083
8	0.010	0.010	0.230	28	0.003	0.002	0.066
9	0.271	0.132	0.400	29	0.016	0.042	0.078
10	0.008	0.008	0.184	30	0.001	0.002	0.061
11	0.095	0.074	0.330	31	0.029	0.025	0.073
12	0.009	0.009	0.153	32	0.002	0.003	0.058
13	0.157	0.208	0.210	33	0.030	0.036	0.068
14	0.006	0.005	0.131	34	0.002	0.001	0.054
15	0.141	0.074	0.150	35	0.030	0.017	0.064
16	0.006	0.007	0.115	36	0.002	0.004	0.051
17	0.017	0.067	0.132	37	0.028	0.012	0.061
18	0.007	0.006	0.102	38	0.003	0.001	0.048
19	0.066	0.063	0.118	39	0.026	0.038	0.058
20	0.004	0.005	0.092	40	0.001	0.002	0.046

SET UP 9 : RAV-RM561CTP-E/RAV-SP564ATP-A1
EN 61000-3-12:2011, Rsce = 47

Har. Order	Reading Mode A (%)	Reading Mode D (%)	Limit (%)
1	0.27	0.29	--
2	2.01	1.89	8.00
3	0.07	0.07	22.82
4	1.33	1.36	4.00
5	0.04	0.04	11.88
6	0.70	0.72	2.67
7	0.04	0.04	7.68
8	0.46	0.43	2.00
9	0.02	0.02	4.18
10	0.37	0.39	1.60
11	0.02	0.02	3.44
12	0.21	0.19	1.33
13	13.25	13.14	2.34
THD	16.13	16.00	24.53
PWHD	0.27	0.29	24.53

SET UP 10 : RAV-RM801CTP-E/RAV-SM1404ATP-E
EN 61000-3-12:2011, Rsce = 47

Har. Order	Reading Mode A (%)	Reading Mode D (%)	Limit (%)
1	0.27	0.29	--
2	2.01	1.89	8.00
3	0.07	0.07	22.82
4	1.33	1.36	4.00
5	0.04	0.04	11.88
6	0.70	0.72	2.67
7	0.04	0.04	7.68
8	0.46	0.43	2.00
9	0.02	0.02	4.18
10	0.37	0.39	1.60
11	0.02	0.02	3.44
12	0.21	0.19	1.33
13	13.25	13.14	2.34
THD	16.13	16.00	24.53
PWHD	0.27	0.29	24.53

SET UP 11: RAV-RM1401CTP-E/RAV-SM1404ATP-E
EN 61000-3-12:2011, Rsce = 47

Har. Order	Reading Mode A (%)	Reading Mode D (%)	Limit (%)
1	18.48	19.95	--
2	2.529	2.075	8.00
3	19.096	19.970	22.82
4	0.854	0.860	4.00
5	10.732	8.867	11.88
6	0.34	0.269	2.67
7	3.670	4.107	7.68
8	0.267	0.214	2.00
9	1.449	1.444	4.18
10	0.311	0.190	1.60
11	2.089	1.829	3.44
12	0.192	0.125	1.33
13	1.839	1.749	2.34
THD	23.25	23.27	24.53
PWHD	16.42	18.14	24.53

SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E

Har. Order	Reading (A)		Limit (A)
	Mode A	Mode D	
1	5.799	10.563	--
2	0.038	0.057	1.08
3	1.837	1.639	2.30
4	0.018	0.023	0.430
5	0.723	0.767	1.14
6	0.007	0.010	0.300
7	0.452	0.552	0.770
8	0.007	0.006	0.230
9	0.226	0.357	0.400
10	0.007	0.006	0.184
11	0.048	0.160	0.330
12	0.006	0.006	0.153
13	0.119	0.061	0.210
14	0.004	0.005	0.131
15	0.105	0.047	0.150
16	0.003	0.004	0.115
17	0.069	0.081	0.132
18	0.003	0.003	0.102
19	0.038	0.069	0.118
20	0.004	0.004	0.092
21	0.011	0.025	0.107
22	0.003	0.004	0.084
23	0.037	0.010	0.098
24	0.002	0.004	0.077
25	0.033	0.018	0.090
26	0.022	0.003	0.071
27	0.036	0.044	0.083
28	0.003	0.003	0.066
29	0.031	0.046	0.078
30	0.005	0.004	0.061
31	0.029	0.021	0.073
32	0.005	0.005	0.058
33	0.049	0.040	0.068
34	0.005	0.005	0.054
35	0.064	0.060	0.064
36	0.005	0.005	0.051
37	0.040	0.057	0.061
38	0.006	0.006	0.048
39	0.042	0.036	0.058
40	0.006	0.006	0.046

SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1
EN 61000-3-12:2011, Rsce = 47

Har. Order	Reading Mode A (%)	Reading Mode D (%)	Limit (%)
1	--	--	--
2	0.14	0.20	8.00
3	24.15	24.64	22.82
4	0.07	0.09	4.00
5	5.00	5.08	11.88
6	0.02	0.03	2.67
7	4.43	4.52	7.68
8	0.01	0.02	2.00
9	3.42	3.44	4.18
10	0.01	0.02	1.60
11	1.81	1.83	3.44
12	0.01	0.01	1.33
13	1.43	1.44	2.34
THD	25.49	26.6	24.53
PWHD	10.46	10.7	24.53

SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E
EN 61000-3-12:2011, Rsce = 47

Har. Order	Reading Mode A (%)	Reading Mode D (%)	Limit (%)
1	20.67	20.71	--
2	2.143	1.921	8.00
3	18.427	18.664	22.82
4	0.888	0.854	4.00
5	11.295	11.351	11.88
6	0.318	0.309	2.67
7	4.882	4.924	7.68
8	0.197	0.184	2.00
9	0.924	0.879	4.18
10	0.175	0.150	1.60
11	1.924	2.007	3.44
12	0.125	0.113	1.33
13	1.913	1.923	2.34
THD	23.14	23.37	24.53
PWHD	16.86	17.60	24.53

5.1.2 Voltage Fluctuations

RESULT: **PASSED**

Date of testing : 2018.01.03 – 2018.02.21

Test procedure : EN 61000-3-3:2013 for SET UP 1,2,5
EN 61000-3-11:2000 for SET UP 3,4,6,7,8,9,10,11,12,13,14
Limits : Clause 5
Frequency range : 0 – 2kHz

Input Voltage : AC 230V, 50Hz
Operation mode : C

Table 3: Test results of Voltage Fluctuations on AC Mains

SET UP 1 : RAV-RM301KRTP-E/RAV-GM301ATP-E

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**4.00**	**0.50**
Mode C: Reading from L1	0.278	0.144	1.18	1.25	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**4.00**	**0.50**
Mode C: Reading from L1	0.210	0.143	1.140	1.17	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 3 : RAV-RM801KRTP-E/RAV-GM801ATP-E

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**6.00**	**0.50**
Mode C: Reading from L1	0.30	0.20	1.07	5.13	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 4 : RAV-SM1401UTP-E/RAV-GM1401ATP-E

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**6.00**	**0.50**
Mode C: Reading from L1	0.31	0.24	1.41	4.91	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**4.00**	**0.50**
Mode C: Reading from L1	0.20	0.14	0.59	2.96	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 6 : RAV-RM801UTP-E/RAV-SM804ATP-E

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**6.00**	**0.50**
Mode C: Reading from L1	0.30	0.20	1.07	5.13	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 7: RAV-RM1401UTP-E/RAV-SM-1404ATP-E

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**6.00**	**0.50**
Mode C: Reading from L1	0.31	0.24	1.41	4.91	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**6.00**	**0.50**
Mode C: Reading from L1	0.25	0.21	0.34	0.20	0.20
Result	Pass	Pass	Pass	Pass	Pass

SET UP 9 : RAV-RM561CTP-E/RAV-SM564ATP-A1

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**6.00**	**0.50**
Mode C: Reading from L1	0.32	0.26	1.24	4.52	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 10 : RAV-RM801CTP-E/RAV-SM1404ATP-E

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**6.00**	**0.50**
Mode C: Reading from L1	0.32	0.26	1.24	4.52	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 11: RAV-RM1401CTP-E/RAV-SM1404ATP-E

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**6.00**	**0.50**
Mode C: Reading from L1	0.31	0.24	1.41	4.91	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**6.00**	**0.50**
Mode C: Reading from L1	0.25	0.17	1.19	2.87	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**6.00**	**0.50**
Mode C: Reading from L1	0.24	0.22	1.40	3.47	0.00
Result	Pass	Pass	Pass	Pass	Pass

SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

	P_{st}	P_{lt}	d_c [%]	d_{max} [%]	d(t) [s]
Limit	**1.00**	**0.65**	**3.30**	**6.00**	**0.50**
Mode C: Reading from L1	0.30	0.26	1.11	5.29	0.00
Result	Pass	Pass	Pass	Pass	Pass

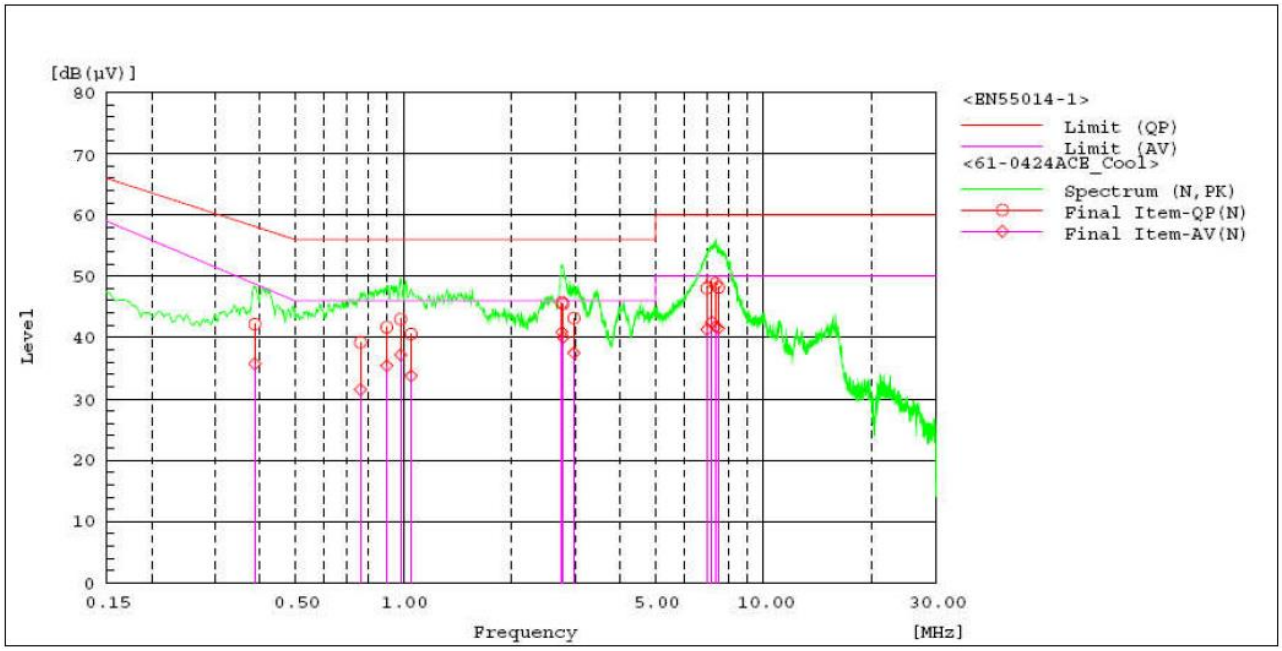
5.1.3 Mains Terminal Continuous Disturbance Voltage

RESULT: **PASSED**

Date of testing	:	2018.01.03 – 2018.02.21
Test procedure	:	EN 55014-1:2017
Frequency range	:	0.15 - 30MHz
Kind of test site	:	shielded room
Limits	:	EN 55014-1:2017, Clause 4.1.1, Table 1
Input Voltage	:	AC 230V, 50Hz
Operation mode	:	A, D

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

Figure 1: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal – Neutral; Operation mode A

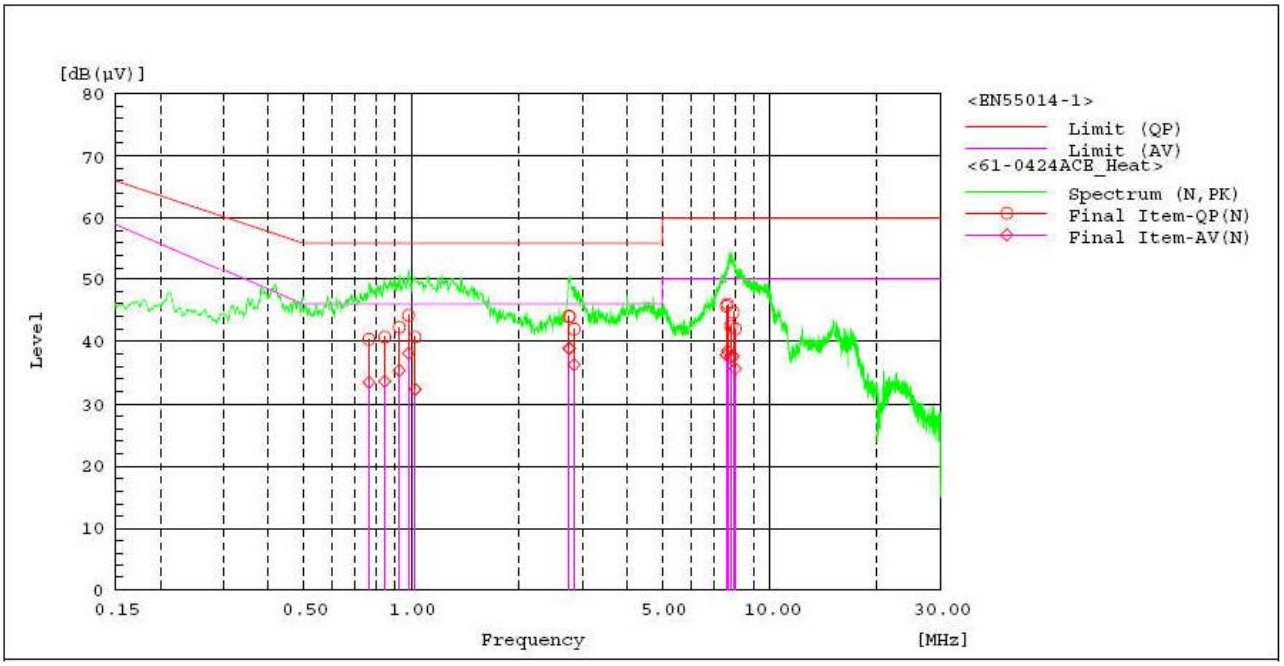


Measurement Result of Quasi-Peak and Average Detector.

--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.38741	32.1	25.6	10.1	42.2	35.7	58.1	48.8	15.9	13.1
2	0.76133	29.1	21.4	10.1	39.2	31.5	56.0	46.0	16.8	14.5
3	0.89959	31.6	25.3	10.1	41.7	35.4	56.0	46.0	14.3	10.6
4	0.98264	32.9	27.1	10.1	43.0	37.2	56.0	46.0	13.0	8.8
5	1.05058	30.5	23.6	10.1	40.6	33.7	56.0	46.0	15.4	12.3
6	2.75281	35.5	30.7	10.2	45.7	40.9	56.0	46.0	10.3	5.1
7	2.77714	35.3	29.9	10.2	45.5	40.1	56.0	46.0	10.5	5.9
8	2.97372	33.0	27.3	10.2	43.2	37.5	56.0	46.0	12.8	8.5
9	6.95475	37.7	31.0	10.3	48.0	41.3	60.0	50.0	12.0	8.7
10	7.17954	38.9	32.3	10.3	49.2	42.6	60.0	50.0	10.8	7.4
11	7.35915	38.5	31.4	10.3	48.8	41.7	60.0	50.0	11.2	8.3
12	7.49305	37.9	31.2	10.3	48.2	41.5	60.0	50.0	11.8	8.5

Operation mode D

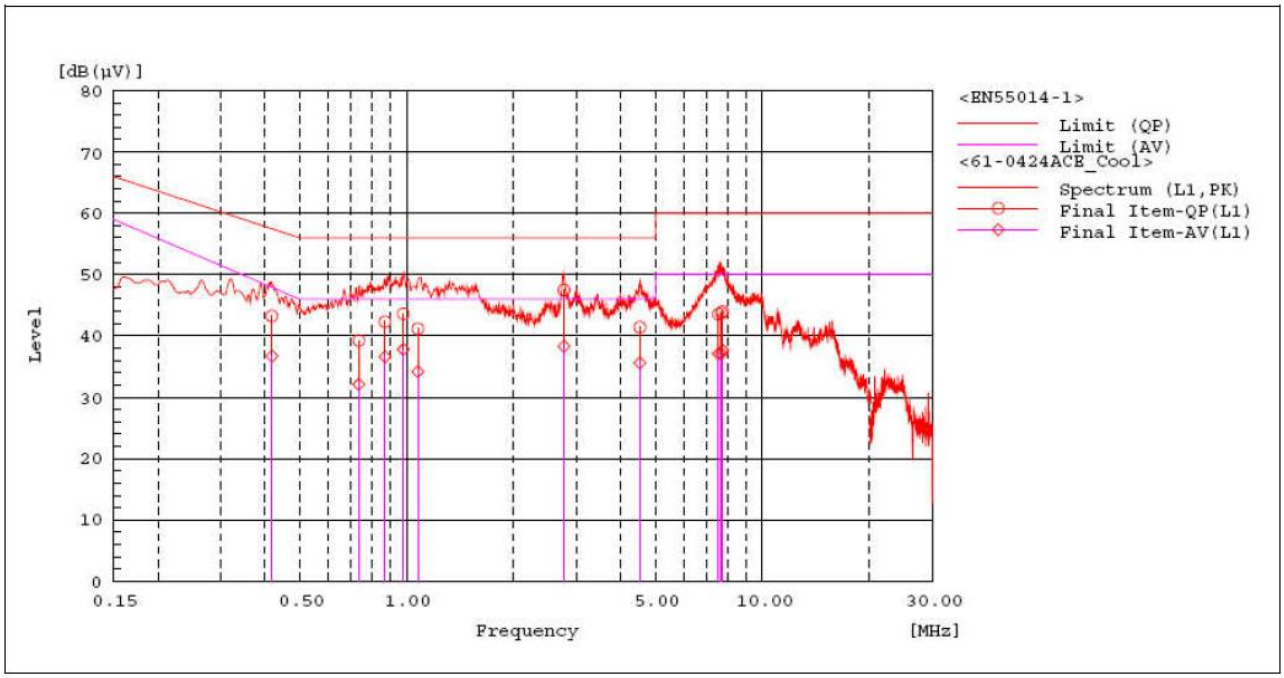


Measurement Result of Quasi-Peak and Average Detector.

--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.98389	34.1	28.0	10.1	44.2	38.1	56.0	46.0	11.8	7.9
2	0.92769	32.2	25.3	10.1	42.3	35.4	56.0	46.0	13.7	10.6
3	1.02442	30.6	22.2	10.1	40.7	32.3	56.0	46.0	15.3	13.7
4	0.84402	30.6	23.6	10.1	40.7	33.7	56.0	46.0	15.3	12.3
5	0.76376	30.2	23.4	10.1	40.3	33.5	56.0	46.0	15.7	12.5
6	2.75612	33.8	28.7	10.2	44.0	38.9	56.0	46.0	12.0	7.1
7	2.75536	33.8	28.7	10.2	44.0	38.9	56.0	46.0	12.0	7.1
8	2.84406	31.8	26.1	10.2	42.0	36.3	56.0	46.0	14.0	9.7
9	7.75233	32.2	27.2	10.3	42.5	37.5	60.0	50.0	17.5	12.5
10	7.88856	34.4	27.3	10.3	44.7	37.6	60.0	50.0	15.3	12.4
11	7.60769	35.7	28.2	10.3	46.0	38.5	60.0	50.0	14.0	11.5
12	7.54428	35.4	27.6	10.3	45.7	37.9	60.0	50.0	14.3	12.1
13	7.99571	31.7	25.3	10.3	42.0	35.6	60.0	50.0	18.0	14.4

Figure 2: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal – Line 1; Operation mode A

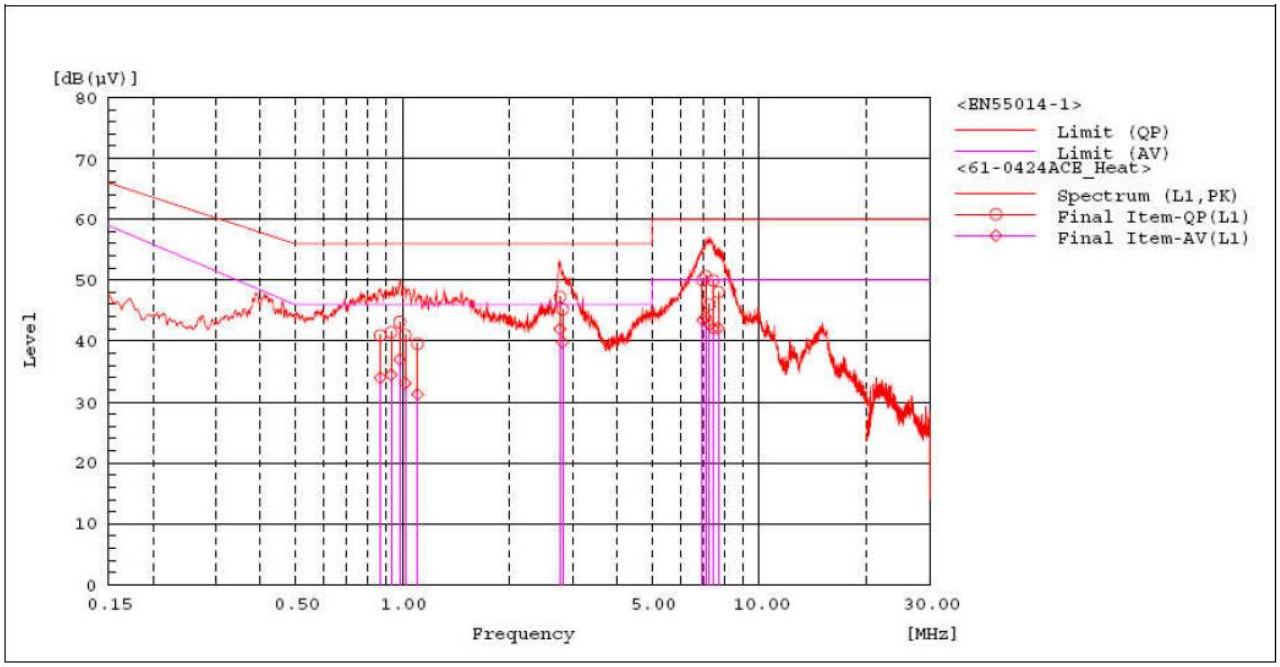


Measurement Result of Quasi-Peak and Average Detector.

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.41851	33.1	26.6	10.1	43.2	36.7	57.5	47.9	14.3	11.2
2	0.73463	29.2	22.0	10.1	39.3	32.1	56.0	46.0	16.7	13.9
3	0.86931	32.2	26.5	10.1	42.3	36.6	56.0	46.0	13.7	9.4
4	0.97912	33.5	27.7	10.1	43.6	37.8	56.0	46.0	12.4	8.2
5	1.07707	31.1	24.1	10.1	41.2	34.2	56.0	46.0	14.8	11.8
6	2.76768	37.3	28.1	10.2	47.5	38.3	56.0	46.0	8.5	7.7
7	4.52271	31.2	25.4	10.2	41.4	35.6	56.0	46.0	14.6	10.4
8	7.51584	33.3	26.8	10.3	43.6	37.1	60.0	50.0	16.4	12.9
9	7.66719	33.4	26.8	10.3	43.7	37.1	60.0	50.0	16.3	12.9
10	7.72911	33.7	27.3	10.3	44.0	37.6	60.0	50.0	16.0	12.4

Operation mode D

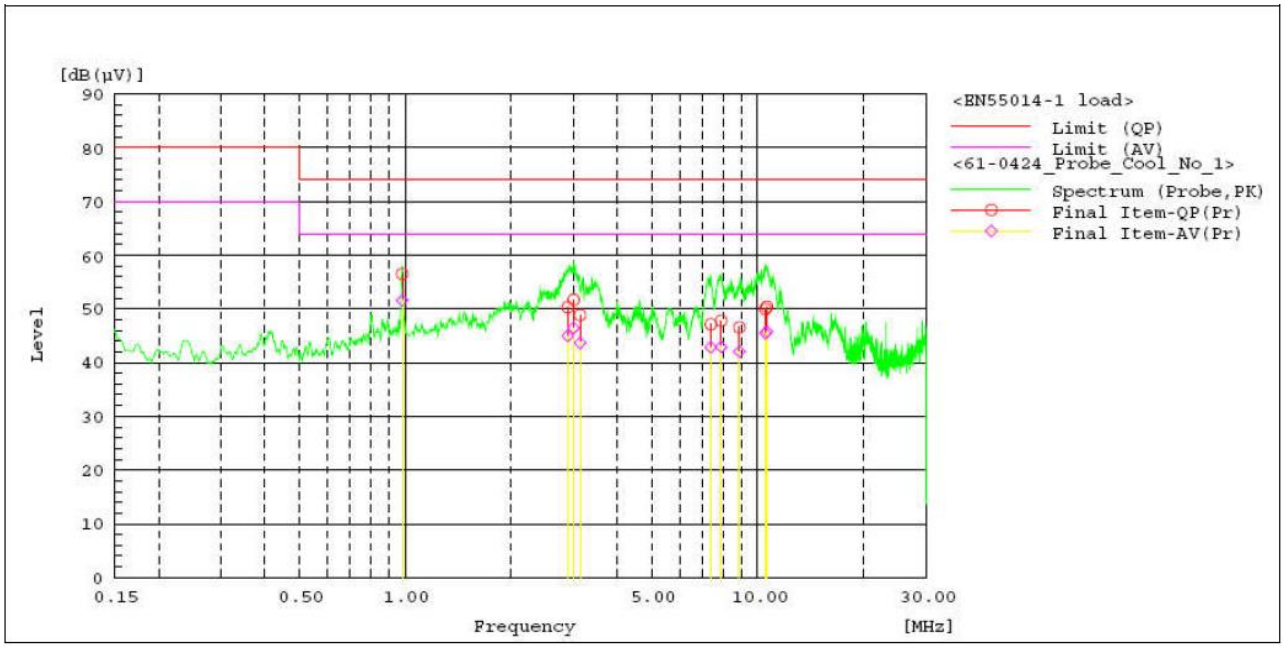


Measurement Result of Quasi-Peak and Average Detector.

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.98389	33.0	26.9	10.1	43.1	37.0	56.0	46.0	12.9	9.0
2	0.92967	31.3	24.4	10.1	41.4	34.5	56.0	46.0	14.6	11.5
3	1.01888	30.9	23.0	10.1	41.0	33.1	56.0	46.0	15.0	12.9
4	1.10414	29.4	21.1	10.1	39.5	31.2	56.0	46.0	16.5	14.8
5	0.86668	30.8	23.9	10.1	40.9	34.0	56.0	46.0	15.1	12.0
6	2.76301	37.1	31.8	10.2	47.3	42.0	56.0	46.0	8.7	4.0
7	2.81077	35.0	29.6	10.2	45.2	39.8	56.0	46.0	10.8	6.2
8	7.24107	35.7	32.4	10.3	46.0	42.7	60.0	50.0	14.0	7.3
9	7.43263	39.7	31.7	10.3	50.0	42.0	60.0	50.0	10.0	8.0
10	7.07641	40.3	33.6	10.3	50.6	43.9	60.0	50.0	9.4	6.1
11	6.93034	39.7	33.1	10.3	50.0	43.4	60.0	50.0	10.0	6.6
12	7.67686	37.8	31.8	10.3	48.1	42.1	60.0	50.0	11.9	7.9

Figure 3: Spectral Diagram, Continuous Disturbance Voltage at Probe –Interconnection cable; Operation mode A
Interconnection cable 1 (Outdoor side)

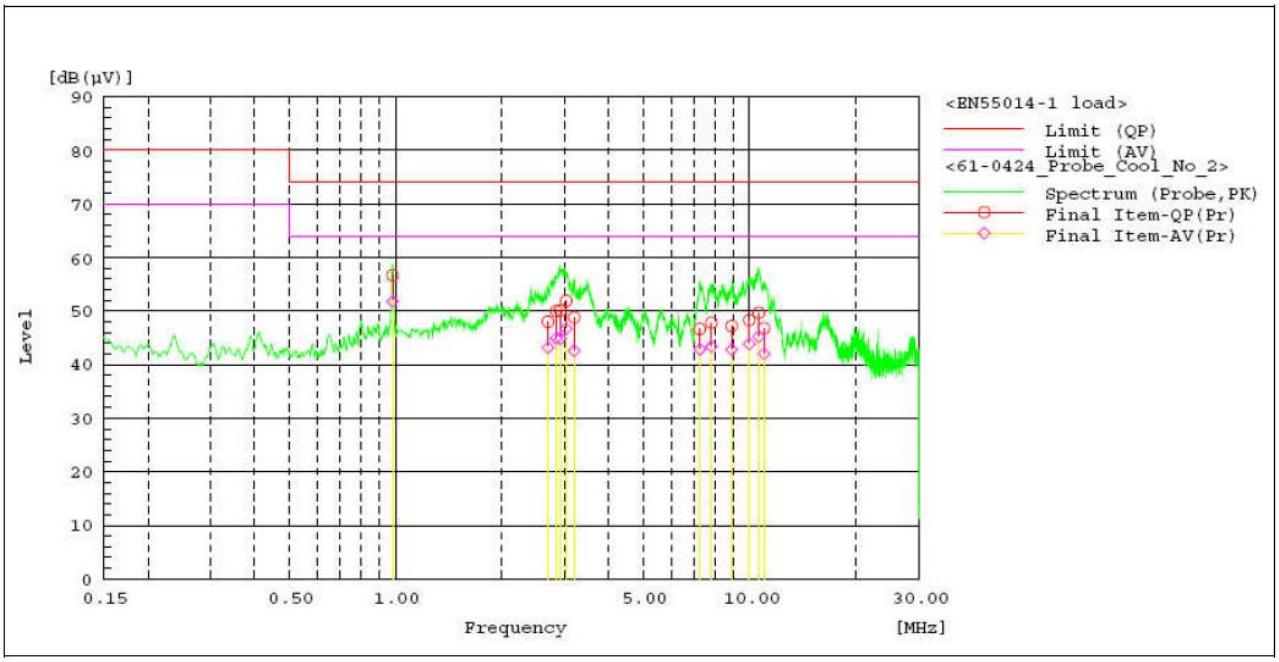


Measurement Result of Quasi-Peak and Average Detector.

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.981	26.2	21.3	30.3	56.5	51.6	74.0	64.0	17.5	12.4
2	3.00744	21.4	16.2	30.3	51.7	46.5	74.0	64.0	22.3	17.5
3	2.88997	20.0	14.7	30.3	50.3	45.0	74.0	64.0	23.7	19.0
4	3.13644	18.6	13.4	30.3	48.9	43.7	74.0	64.0	25.1	20.3
5	10.5171	19.6	15.0	30.4	50.0	45.4	74.0	64.0	24.0	18.6
6	10.61288	20.0	15.4	30.4	50.4	45.8	74.0	64.0	23.6	18.2
7	7.36937	16.8	12.6	30.3	47.1	42.9	74.0	64.0	26.9	21.1
8	7.87665	17.5	12.6	30.3	47.8	42.9	74.0	64.0	26.2	21.1
9	8.87711	16.3	11.8	30.3	46.6	42.1	74.0	64.0	27.4	21.9

Operation mode A
Interconnection cable 2 (Outdoor side)

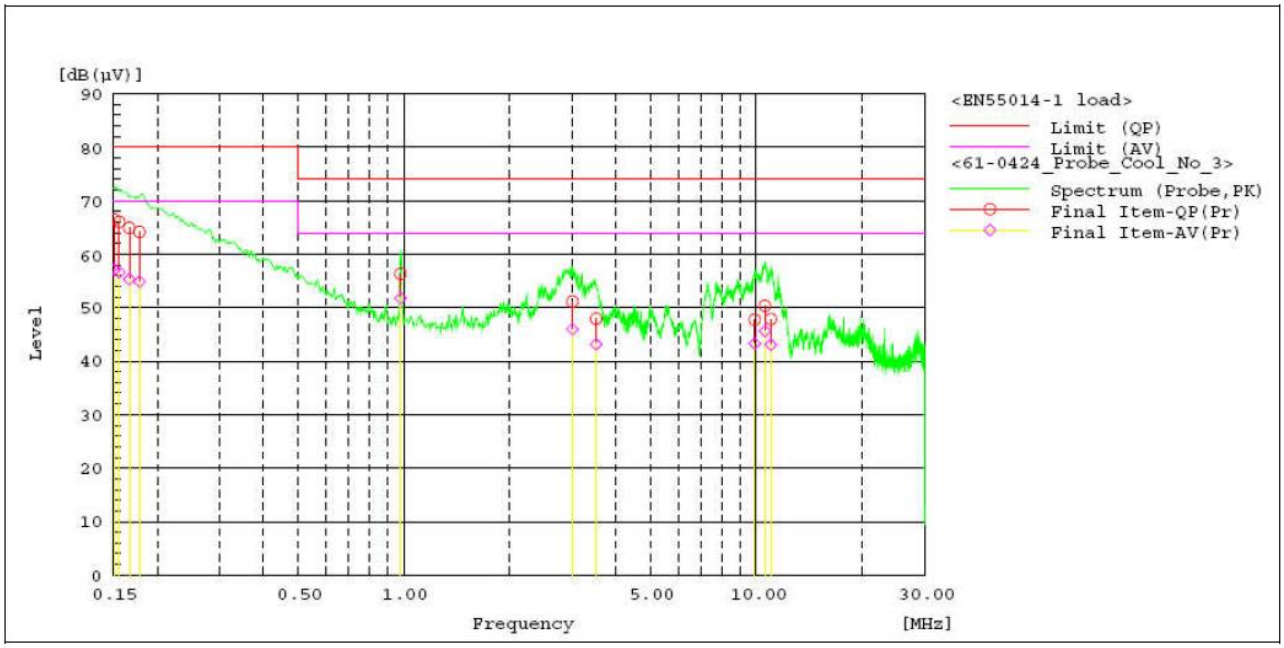


Measurement Result of Quasi-Peak and Average Detector.

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.98097	26.3	21.5	30.3	56.6	51.8	74.0	64.0	17.4	12.2
2	2.92235	19.8	14.5	30.3	50.1	44.8	74.0	64.0	23.9	19.2
3	3.03789	21.6	16.4	30.3	51.9	46.7	74.0	64.0	22.1	17.3
4	2.84497	19.7	14.6	30.3	50.0	44.9	74.0	64.0	24.0	19.1
5	2.69722	17.7	12.9	30.3	48.0	43.2	74.0	64.0	26.0	20.8
6	3.20039	18.5	12.3	30.3	48.8	42.6	74.0	64.0	25.2	21.4
7	10.61584	19.2	14.8	30.4	49.6	45.2	74.0	64.0	24.4	18.8
8	10.98414	16.4	11.6	30.4	46.8	42.0	74.0	64.0	27.2	22.0
9	9.98245	18.0	13.5	30.3	48.3	43.8	74.0	64.0	25.7	20.2
10	8.90012	16.9	12.5	30.3	47.2	42.8	74.0	64.0	26.8	21.2
11	7.81699	17.5	13.0	30.3	47.8	43.3	74.0	64.0	26.2	20.7
12	7.23529	16.3	12.5	30.3	46.6	42.8	74.0	64.0	27.4	21.2

Operation mode A
Interconnection cable 3 (Outdoor side)

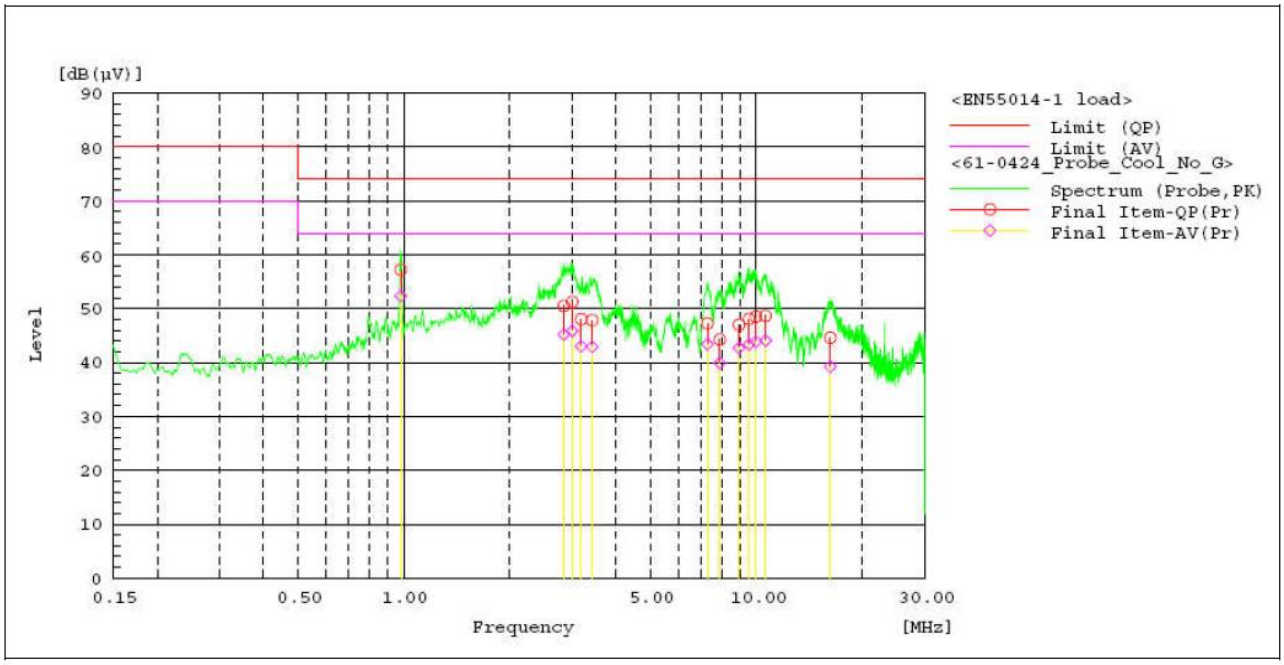


Measurement Result of Quasi-Peak and Average Detector.

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15618	35.7	26.3	30.3	66.0	56.6	80.0	70.0	14.0	13.4
2	0.15109	36.2	26.8	30.3	66.5	57.1	80.0	70.0	13.5	12.9
3	0.17828	33.9	24.6	30.3	64.2	54.9	80.0	70.0	15.8	15.1
4	0.98047	26.0	21.5	30.3	56.3	51.8	74.0	64.0	17.7	12.2
5	0.16678	34.6	25.0	30.3	64.9	55.3	80.0	70.0	15.1	14.7
6	3.00865	20.8	15.7	30.3	51.1	46.0	74.0	64.0	22.9	18.0
7	10.57197	19.9	15.2	30.4	50.3	45.6	74.0	64.0	23.7	18.4
8	9.89118	17.4	13.0	30.3	47.7	43.3	74.0	64.0	26.3	20.7
9	10.99702	17.4	12.6	30.4	47.8	43.0	74.0	64.0	26.2	21.0
10	3.51016	17.6	12.9	30.3	47.9	43.2	74.0	64.0	26.1	20.8

Operation mode A
Interconnection cable G (Outdoor side)

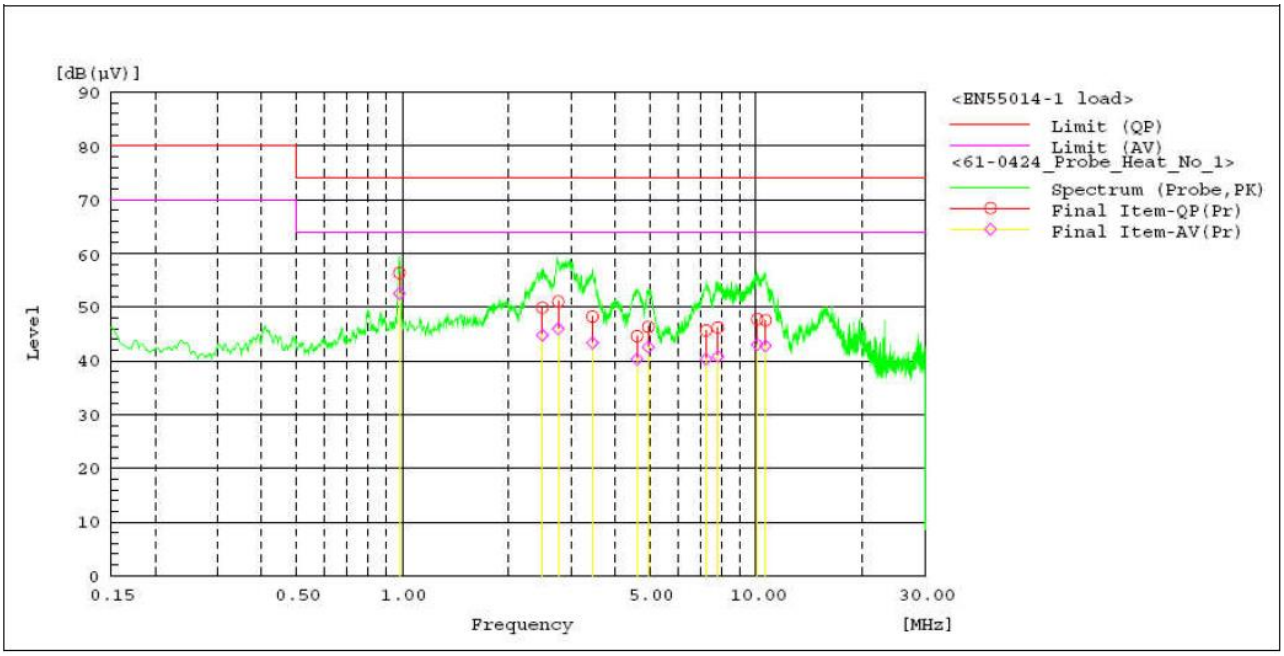


Measurement Result of Quasi-Peak and Average Detector.

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.98107	26.9	22.1	30.3	57.2	52.4	74.0	64.0	16.8	11.6
2	2.84353	20.2	14.9	30.3	50.5	45.2	74.0	64.0	23.5	18.8
3	3.00507	20.9	15.6	30.3	51.2	45.9	74.0	64.0	22.8	18.1
4	3.18522	17.7	12.7	30.3	48.0	43.0	74.0	64.0	26.0	21.0
5	3.4274	17.5	12.6	30.3	47.8	42.9	74.0	64.0	26.2	21.1
6	7.26437	17.0	13.1	30.3	47.3	43.4	74.0	64.0	26.7	20.6
7	7.87384	14.0	9.6	30.3	44.3	39.9	74.0	64.0	29.7	24.1
8	8.92955	16.7	12.4	30.3	47.0	42.7	74.0	64.0	27.0	21.3
9	9.54309	17.8	13.1	30.3	48.1	43.4	74.0	64.0	25.9	20.6
10	9.97282	18.2	13.5	30.3	48.5	43.8	74.0	64.0	25.5	20.2
11	10.6104	18.3	13.7	30.4	48.7	44.1	74.0	64.0	25.3	19.9
12	16.22973	14.2	8.8	30.4	44.6	39.2	74.0	64.0	29.4	24.8

Operation mode D
Interconnection cable 1 (Outdoor side)

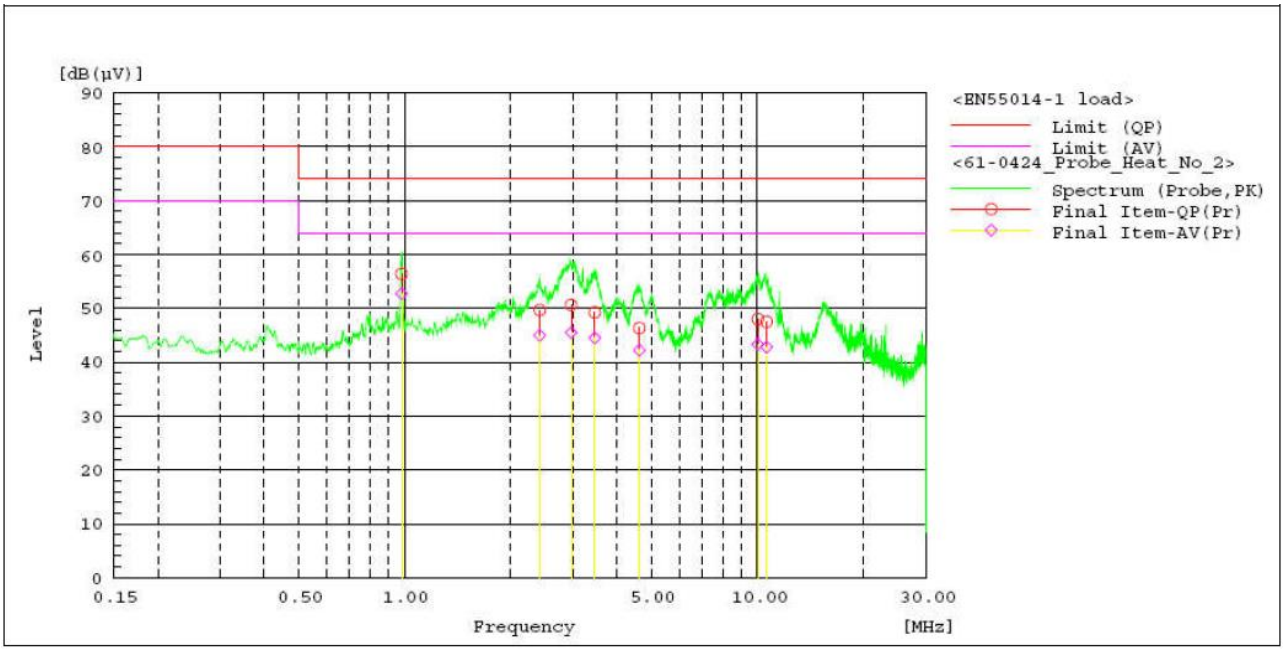


Measurement Result of Quasi-Peak and Average Detector.

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.98079	26.0	22.3	30.3	56.3	52.6	74.0	64.0	17.7	11.4
2	2.48569	19.6	14.5	30.3	49.9	44.8	74.0	64.0	24.1	19.2
3	2.75882	20.8	15.7	30.3	51.1	46.0	74.0	64.0	22.9	18.0
4	3.45025	17.9	13.0	30.3	48.2	43.3	74.0	64.0	25.8	20.7
5	4.61018	14.3	10.1	30.3	44.6	40.4	74.0	64.0	29.4	23.6
6	4.96176	16.0	12.2	30.3	46.3	42.5	74.0	64.0	27.7	21.5
7	7.2158	15.4	10.0	30.3	45.7	40.3	74.0	64.0	28.3	23.7
8	7.80319	15.9	10.5	30.3	46.2	40.8	74.0	64.0	27.8	23.2
9	10.07048	17.3	12.6	30.4	47.7	43.0	74.0	64.0	26.3	21.0
10	10.62597	17.2	12.4	30.4	47.6	42.8	74.0	64.0	26.4	21.2

Operation mode D
Interconnection cable 2 (Outdoor side)

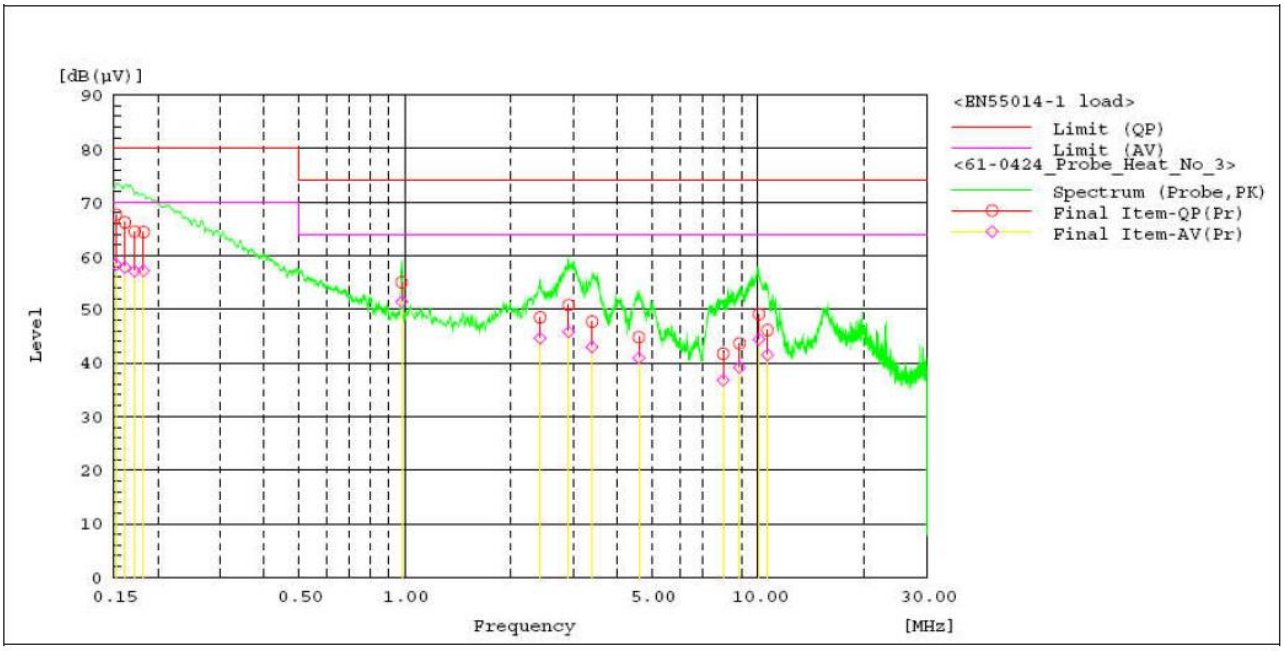


Measurement Result of Quasi-Peak and Average Detector.

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.98095	26.1	22.4	30.3	56.4	52.7	74.0	64.0	17.6	11.3
2	2.41906	19.3	14.7	30.3	49.6	45.0	74.0	64.0	24.4	19.0
3	2.96603	20.3	15.2	30.3	50.6	45.5	74.0	64.0	23.4	18.5
4	3.4608	18.9	14.2	30.3	49.2	44.5	74.0	64.0	24.8	19.5
5	4.62997	16.0	11.9	30.3	46.3	42.2	74.0	64.0	27.7	21.8
6	10.02972	17.6	12.9	30.4	48.0	43.3	74.0	64.0	26.0	20.7
7	10.6189	17.1	12.4	30.4	47.5	42.8	74.0	64.0	26.5	21.2

Operation mode D
Interconnection cable 3 (Outdoor side)

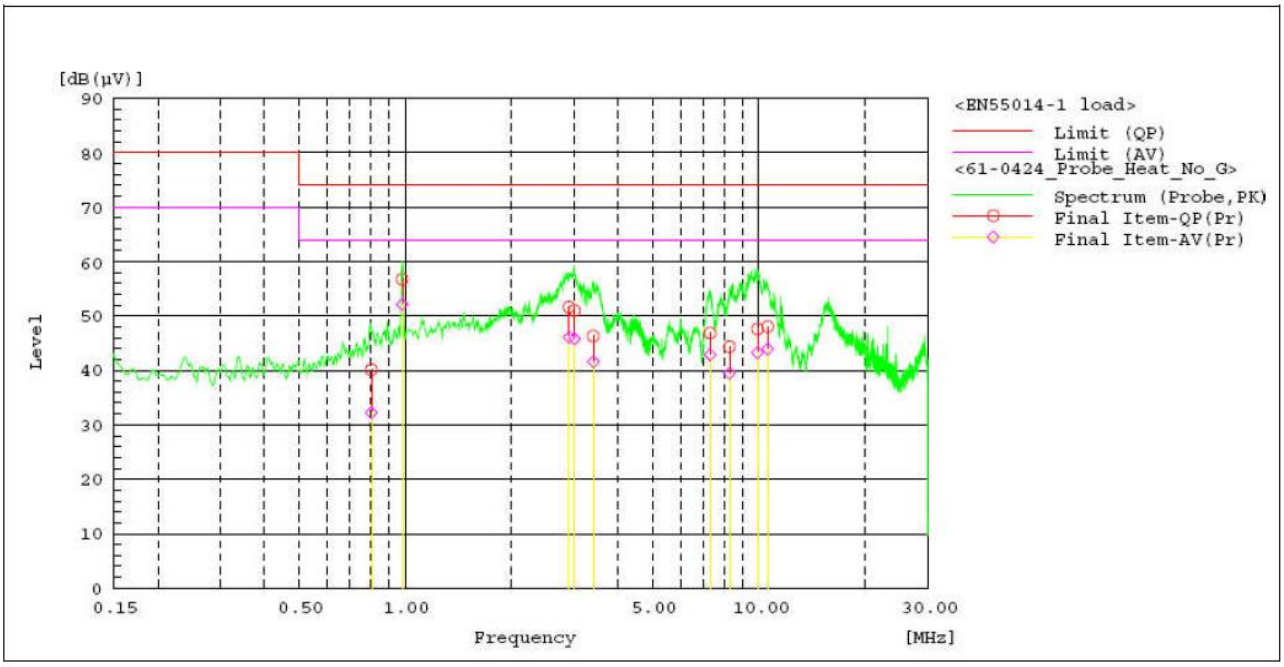


Measurement Result of Quasi-Peak and Average Detector.

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15222	37.4	28.0	30.3	67.7	58.3	80.0	70.0	12.3	11.7
2	0.16151	35.9	27.5	30.3	66.2	57.8	80.0	70.0	13.8	12.2
3	0.17214	34.2	26.8	30.3	64.5	57.1	80.0	70.0	15.5	12.9
4	0.18254	34.1	26.9	30.3	64.4	57.2	80.0	70.0	15.6	12.8
5	0.98085	24.7	21.1	30.3	55.0	51.4	74.0	64.0	19.0	12.6
6	2.91326	20.5	15.5	30.3	50.8	45.8	74.0	64.0	23.2	18.2
7	2.41795	18.2	14.3	30.3	48.5	44.6	74.0	64.0	25.5	19.4
8	3.38924	17.4	12.7	30.3	47.7	43.0	74.0	64.0	26.3	21.0
9	4.60238	14.5	10.6	30.3	44.8	40.9	74.0	64.0	29.2	23.1
10	7.97374	11.4	6.4	30.3	41.7	36.7	74.0	64.0	32.3	27.3
11	10.05946	18.7	14.0	30.4	49.1	44.4	74.0	64.0	24.9	19.6
12	10.64136	15.7	11.1	30.4	46.1	41.5	74.0	64.0	27.9	22.5
13	8.8588	13.4	8.8	30.3	43.7	39.1	74.0	64.0	30.3	24.9

Operation mode D
Interconnection cable G (Outdoor side)



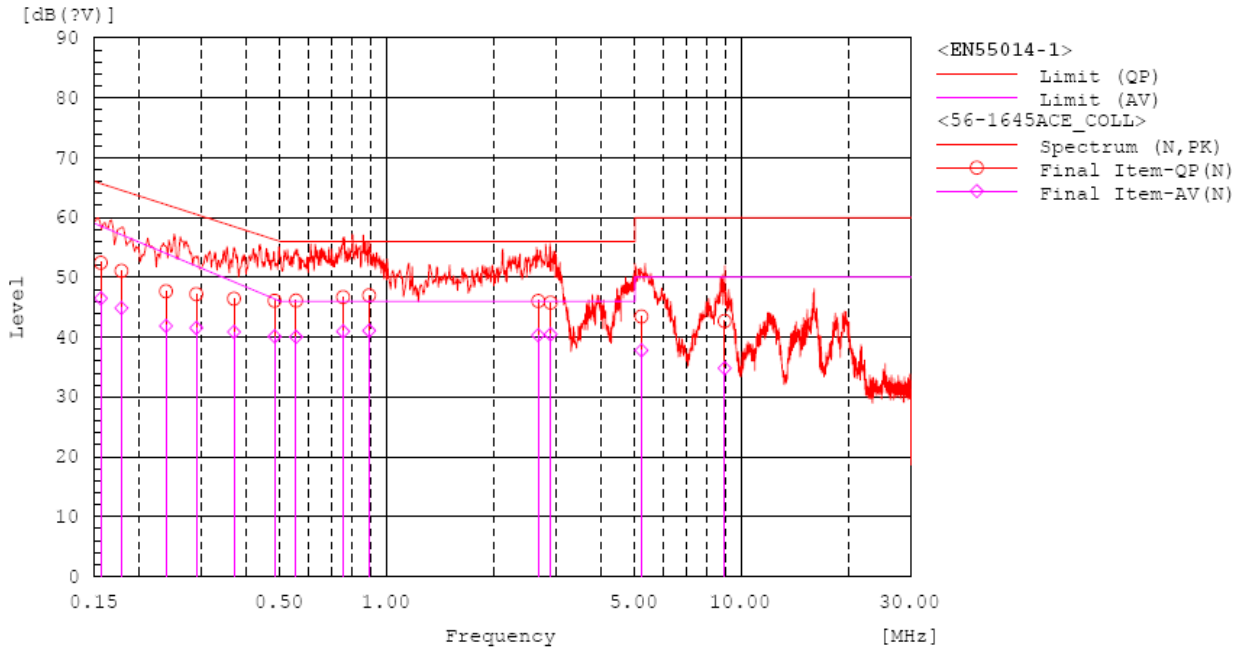
Measurement Result of Quasi-Peak and Average Detector.

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.98112	26.5	21.8	30.3	56.8	52.1	74.0	64.0	17.2	11.9
2	3.00968	20.7	15.5	30.3	51.0	45.8	74.0	64.0	23.0	18.2
3	2.90897	21.3	15.8	30.3	51.6	46.1	74.0	64.0	22.4	17.9
4	3.40002	16.0	11.3	30.3	46.3	41.6	74.0	64.0	27.7	22.4
5	8.25015	14.0	9.2	30.3	44.3	39.5	74.0	64.0	29.7	24.5
6	7.285	16.6	12.6	30.3	46.9	42.9	74.0	64.0	27.1	21.1
7	9.91217	17.3	13.0	30.3	47.6	43.3	74.0	64.0	26.4	20.7
8	10.59835	17.6	13.5	30.4	48.0	43.9	74.0	64.0	26.0	20.1
9	0.80274	9.8	1.9	30.3	40.1	32.2	74.0	64.0	33.9	31.8

SET UP 3 : RAV-RM801KRTP-E/RAV-GM801ATP-E

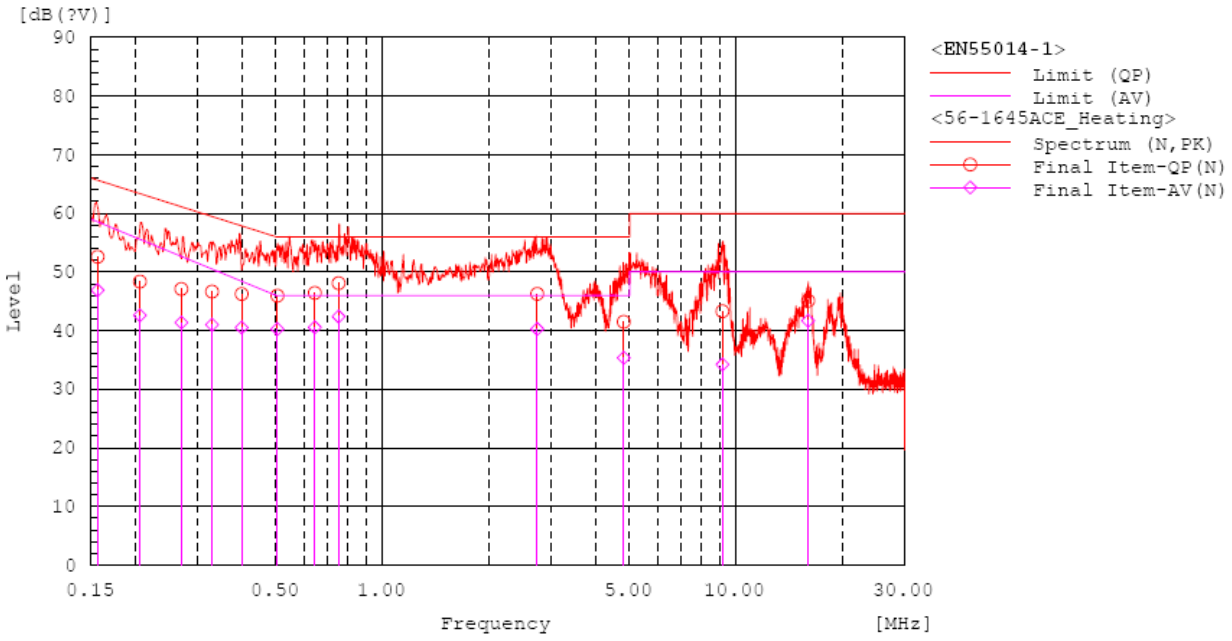
Figure 4: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal – Neutral; Operation mode A



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15604	42.2	36.3	10.2	52.4	46.5	65.7	58.6	13.3	12.1
2	0.17851	40.9	34.7	10.2	51.1	44.9	64.6	57.1	13.5	12.2
3	0.23818	37.5	31.7	10.2	47.7	41.9	62.2	54.0	14.5	12.1
4	0.28993	37.0	31.3	10.2	47.2	41.5	60.5	51.9	13.3	10.4
5	0.37037	36.2	30.7	10.2	46.4	40.9	58.5	49.2	12.1	8.3
6	0.48233	35.9	29.9	10.2	46.1	40.1	56.3	46.4	10.2	6.3
7	0.55431	35.9	29.8	10.2	46.1	40.0	56.0	46.0	9.9	6.0
8	0.75243	36.4	30.7	10.3	46.7	41.0	56.0	46.0	9.3	5.0
9	0.89042	36.7	30.8	10.3	47.0	41.1	56.0	46.0	9.0	4.9
10	2.6704	35.6	29.9	10.4	46.0	40.3	56.0	46.0	10.0	5.7
11	2.89392	35.4	30.1	10.4	45.8	40.5	56.0	46.0	10.2	5.5
12	5.2156	33.1	27.4	10.4	43.5	37.8	60.0	50.0	16.5	12.2
13	8.957	32.0	24.1	10.7	42.7	34.8	60.0	50.0	17.3	15.2

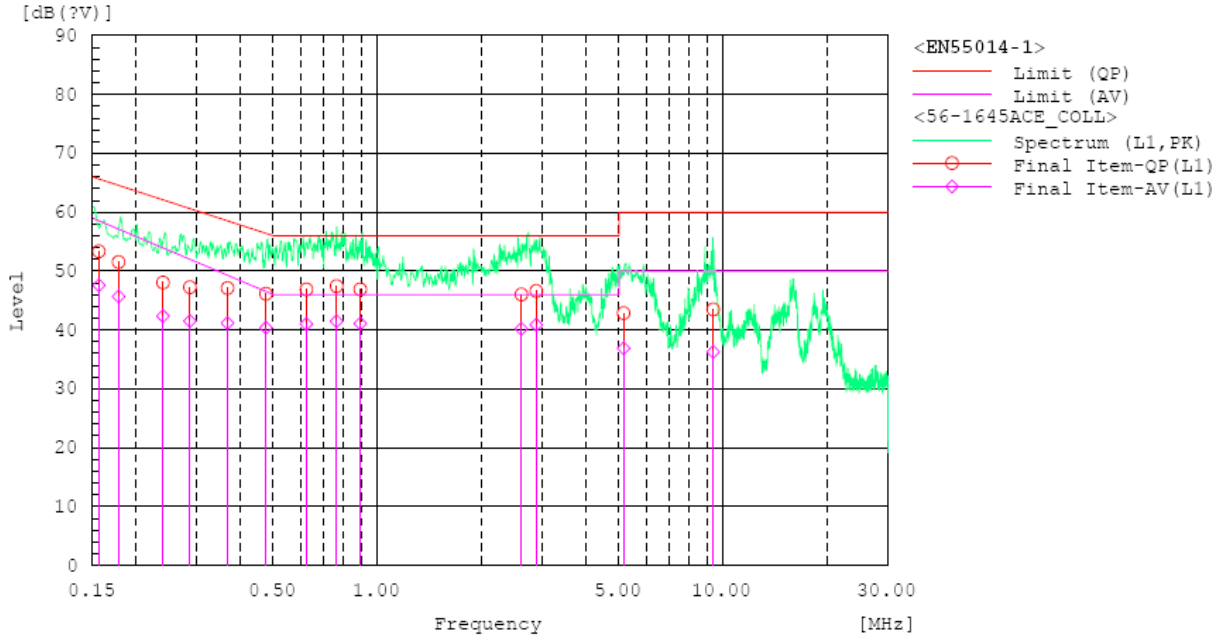
Operation mode D



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15639	42.4	36.7	10.2	52.6	46.9	65.7	58.5	13.1	11.6
2	0.20602	38.2	32.4	10.2	48.4	42.6	63.4	55.6	15.0	13.0
3	0.26977	36.9	31.2	10.2	47.1	41.4	61.1	52.7	14.0	11.3
4	0.32945	36.5	30.8	10.2	46.7	41.0	59.5	50.5	12.8	9.5
5	0.39953	36.1	30.3	10.2	46.3	40.5	57.9	48.4	11.6	7.9
6	0.50409	35.8	30.1	10.2	46.0	40.3	56.0	46.0	10.0	5.7
7	0.64339	36.1	30.2	10.3	46.4	40.5	56.0	46.0	9.6	5.5
8	0.75148	37.8	32.1	10.3	48.1	42.4	56.0	46.0	7.9	3.6
9	2.73952	35.9	29.9	10.4	46.3	40.3	56.0	46.0	9.7	5.7
10	4.81248	31.1	25.0	10.4	41.5	35.4	56.0	46.0	14.5	10.6
11	9.1534	32.5	23.4	10.8	43.3	34.2	60.0	50.0	16.7	15.8
12	16.0074	34.0	30.6	11.1	45.1	41.7	60.0	50.0	14.9	8.3

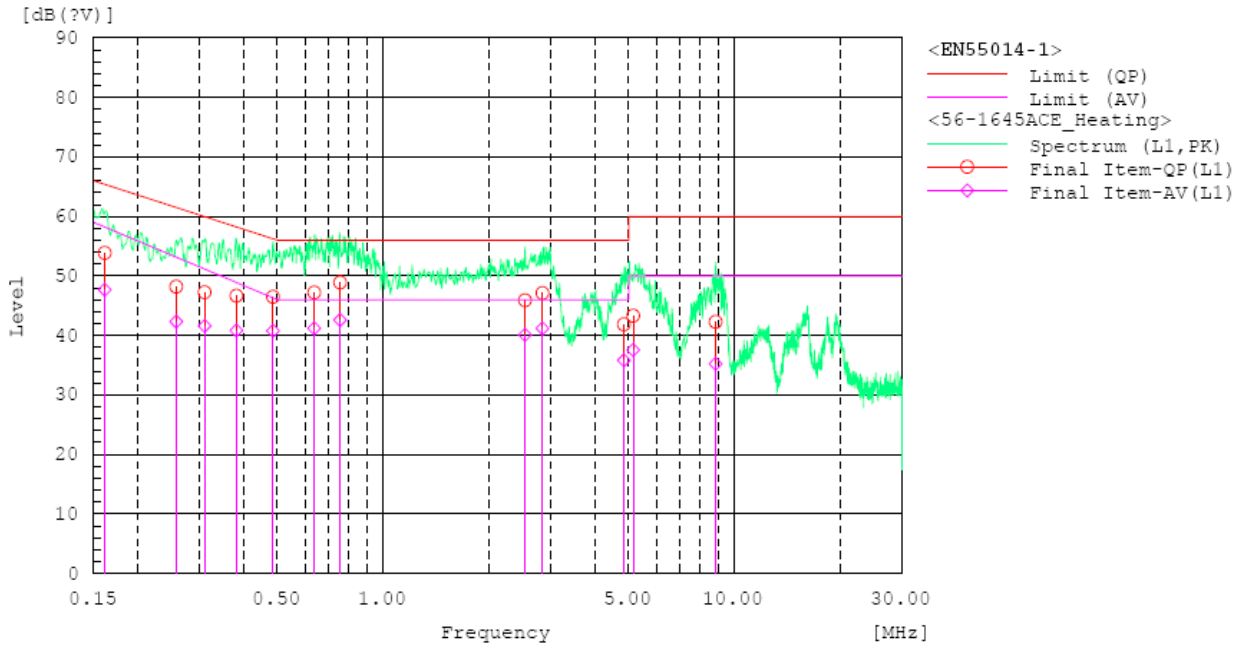
Figure 5: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal – Line1; Operation mode A



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15629	43.2	37.4	10.2	53.4	47.6	65.7	58.6	12.3	11.0
2	0.17844	41.3	35.5	10.2	51.5	45.7	64.6	57.1	13.1	11.4
3	0.23962	37.8	32.2	10.2	48.0	42.4	62.1	53.9	14.1	11.5
4	0.28688	37.1	31.3	10.2	47.3	41.5	60.6	52.0	13.3	10.5
5	0.36855	36.9	31.0	10.2	47.1	41.2	58.5	49.3	11.4	8.1
6	0.47582	35.9	30.2	10.2	46.1	40.4	56.4	46.5	10.3	6.1
7	0.62362	36.6	30.7	10.3	46.9	41.0	56.0	46.0	9.1	5.0
8	0.76209	37.2	31.2	10.3	47.5	41.5	56.0	46.0	8.5	4.5
9	0.89244	36.6	30.8	10.3	46.9	41.1	56.0	46.0	9.1	4.9
10	2.61016	35.7	29.9	10.3	46.0	40.2	56.0	46.0	10.0	5.8
11	2.884	36.3	30.6	10.3	46.6	40.9	56.0	46.0	9.4	5.1
12	5.158	32.5	26.5	10.4	42.9	36.9	60.0	50.0	17.1	13.1
13	9.3692	32.8	25.6	10.7	43.5	36.3	60.0	50.0	16.5	13.7

Operation mode D



--- L1 Phase ---

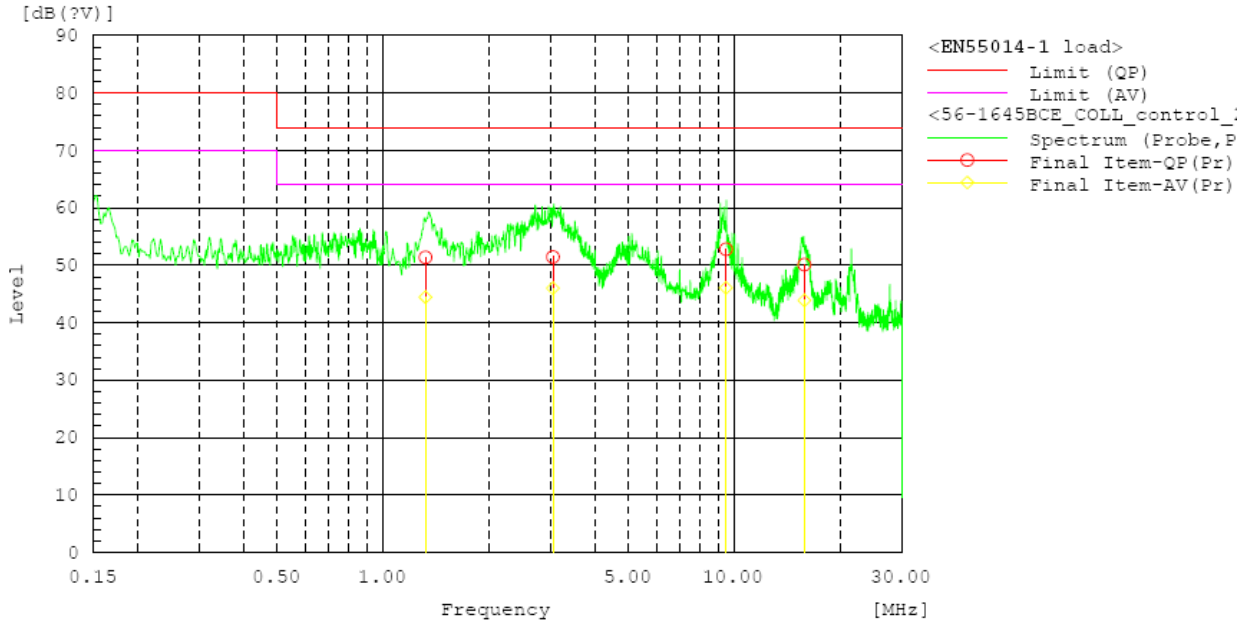
No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.16115	43.7	37.5	10.2	53.9	47.7	65.4	58.2	11.5	10.5
2	0.25754	38.0	32.1	10.2	48.2	42.3	61.5	53.2	13.3	10.9
3	0.31023	37.1	31.4	10.2	47.3	41.6	60.0	51.2	12.7	9.6
4	0.38198	36.5	30.7	10.2	46.7	40.9	58.2	48.9	11.5	8.0
5	0.48558	36.3	30.5	10.2	46.5	40.7	56.2	46.3	9.7	5.6
6	0.63623	36.9	30.9	10.3	47.2	41.2	56.0	46.0	8.8	4.8
7	0.75435	38.6	32.3	10.3	48.9	42.6	56.0	46.0	7.1	3.4
8	2.53368	35.6	29.8	10.3	45.9	40.1	56.0	46.0	10.1	5.9
9	2.84048	36.8	30.9	10.3	47.1	41.2	56.0	46.0	8.9	4.8
10	4.84248	31.5	25.4	10.4	41.9	35.8	56.0	46.0	14.1	10.2
11	5.1496	32.9	27.2	10.4	43.3	37.6	60.0	50.0	16.7	12.4
12	8.8396	31.7	24.6	10.6	42.3	35.2	60.0	50.0	17.7	14.8

Figure 6: Spectral Diagram, Continuous Disturbance Voltage at Probe –Interconnection cable; Operation mode A
Interconnection cable 1 (Outdoor side)

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	1.32512	21.0	14.0	30.4	51.4	44.4	74.0	64.0	22.6	19.6
2	9.351	22.8	17.2	30.6	53.4	47.8	74.0	64.0	20.6	16.2
3	15.762	20.7	14.5	30.6	51.3	45.1	74.0	64.0	22.7	18.9

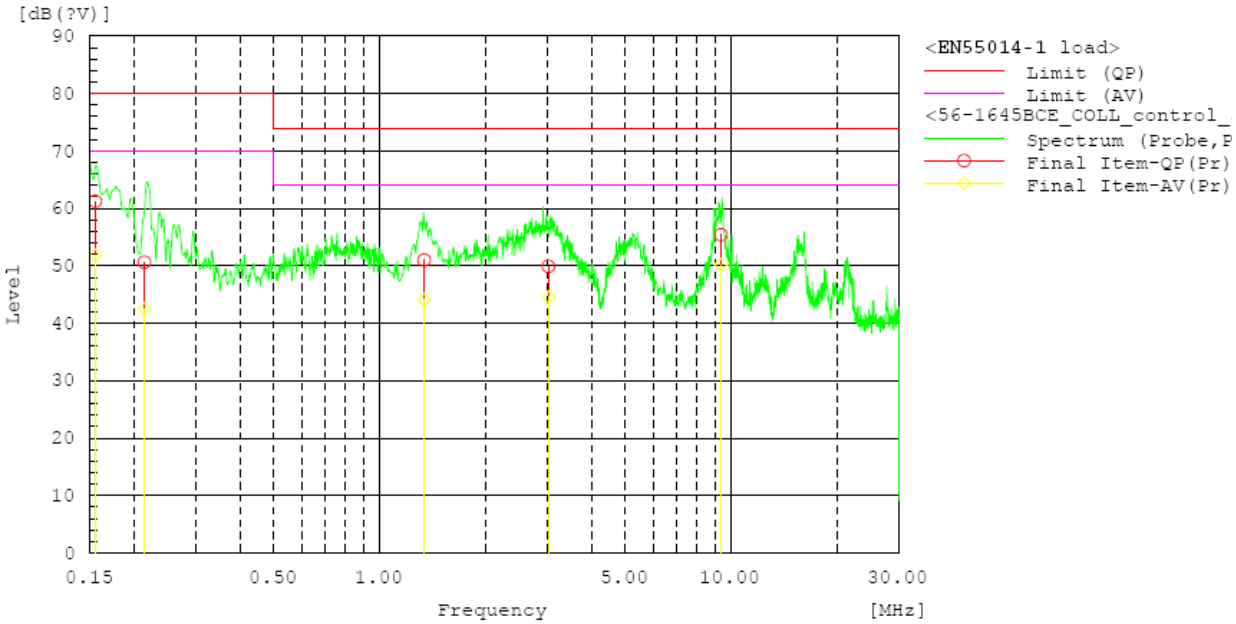
Operation mode A
Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	1.31992	21.0	14.0	30.4	51.4	44.4	74.0	64.0	22.6	19.6
2	3.04088	21.0	15.6	30.4	51.4	46.0	74.0	64.0	22.6	18.0
3	9.4578	22.2	15.5	30.6	52.8	46.1	74.0	64.0	21.2	17.9
4	15.8148	19.5	13.3	30.6	50.1	43.9	74.0	64.0	23.9	20.1

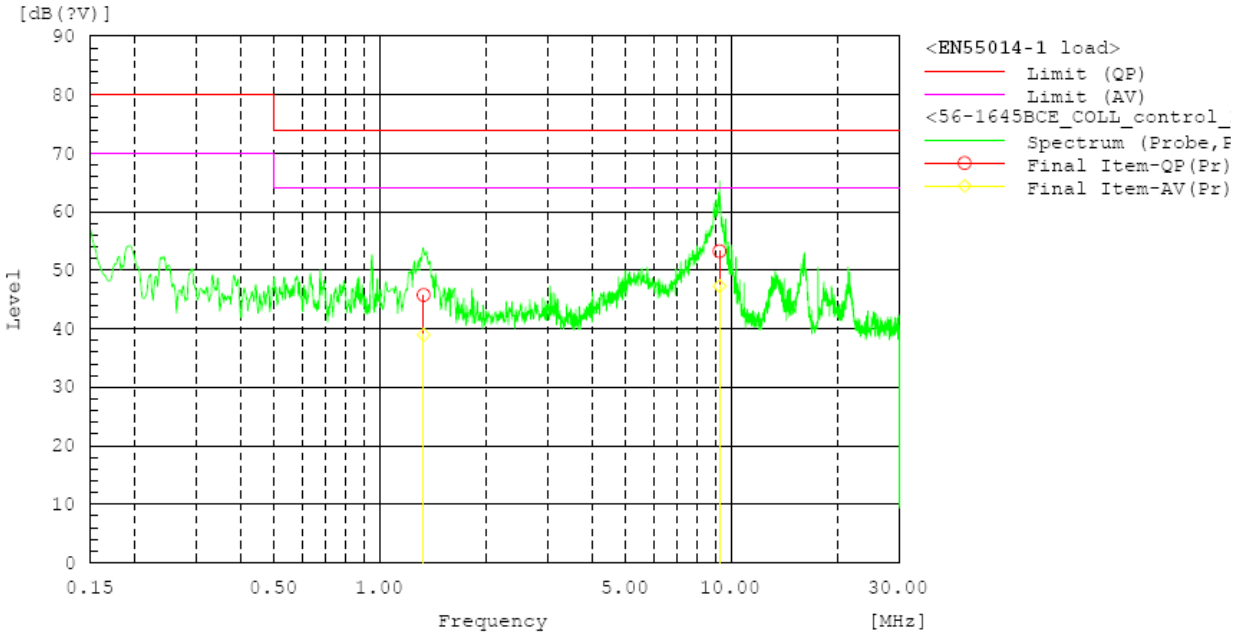
Operation mode A
Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15505	30.8	21.3	30.5	61.3	51.8	80.0	70.0	18.7	18.2
2	0.21375	20.1	12.0	30.5	50.6	42.5	80.0	70.0	29.4	27.5
3	1.33672	20.6	13.7	30.4	51.0	44.1	74.0	64.0	23.0	19.9
4	3.01864	19.5	14.2	30.4	49.9	44.6	74.0	64.0	24.1	19.4
5	9.34594	24.8	19.6	30.6	55.4	50.2	74.0	64.0	18.6	13.8

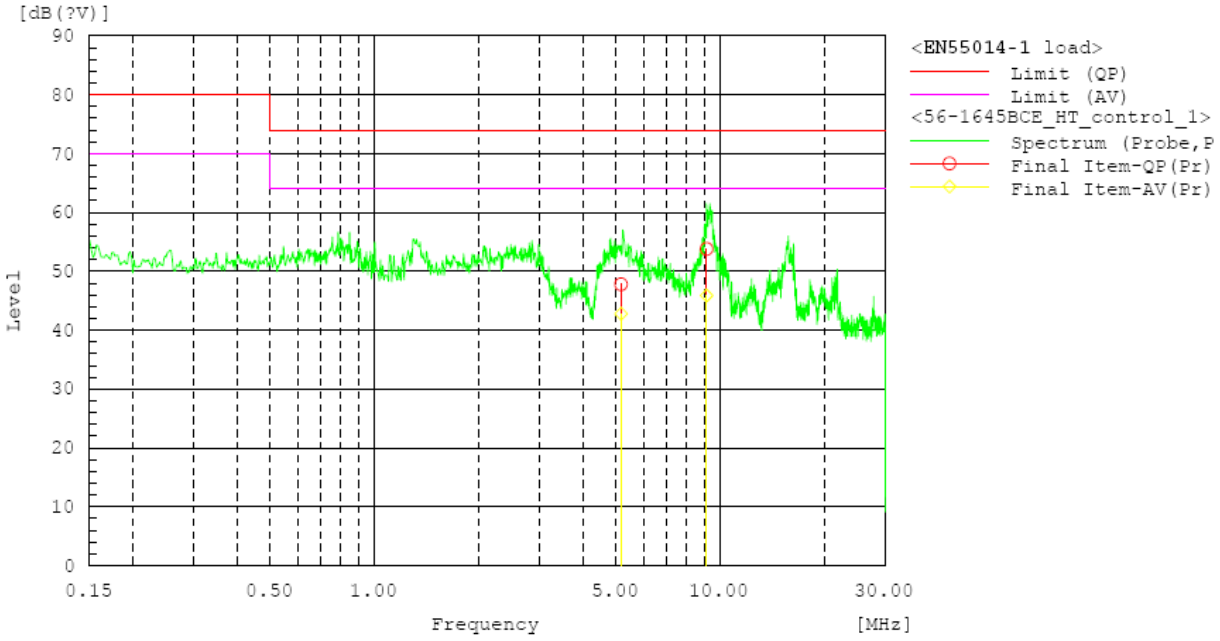
Operation mode A
Interconnection cable G (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	1.32864	15.4	8.6	30.4	45.8	39.0	74.0	64.0	28.2	25.0
2	9.2386	22.7	16.7	30.6	53.3	47.3	74.0	64.0	20.7	16.7

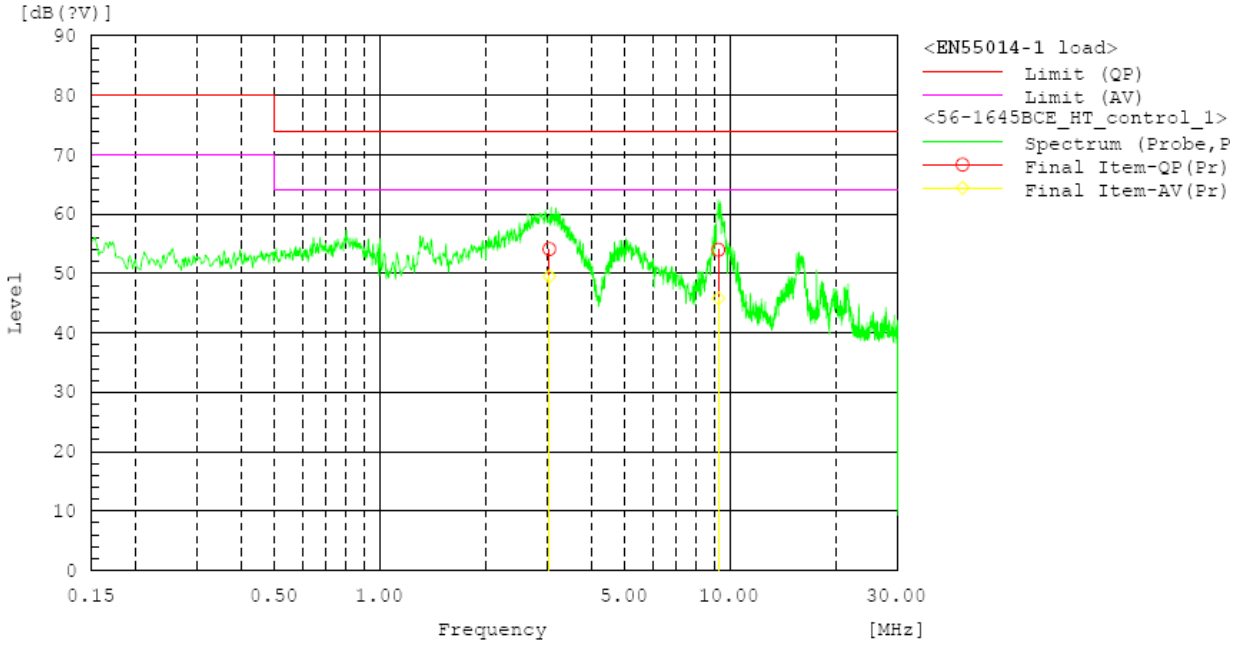
Operation mode D
Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	9.1272	23.2	15.3	30.6	53.8	45.9	74.0	64.0	20.2	18.1
2	5.164	17.4	12.4	30.4	47.8	42.8	74.0	64.0	26.2	21.2

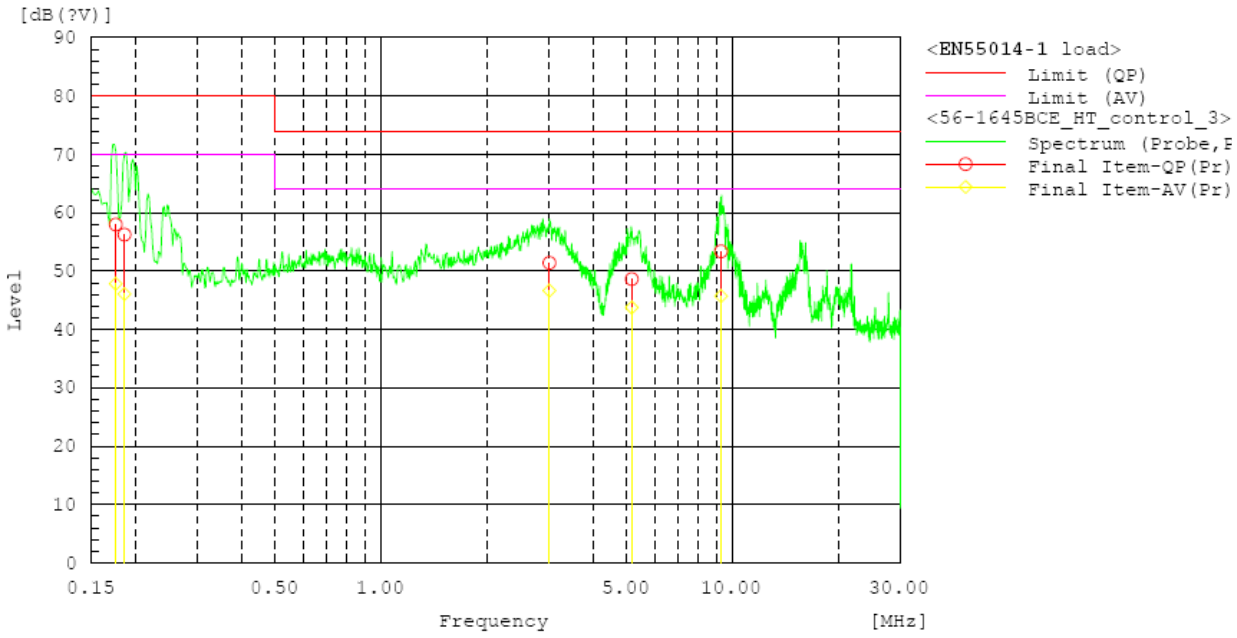
Operation mode D
Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	9.234	23.4	15.2	30.6	54.0	45.8	74.0	64.0	20.0	18.2
2	3.03856	23.7	19.1	30.4	54.1	49.5	74.0	64.0	19.9	14.5

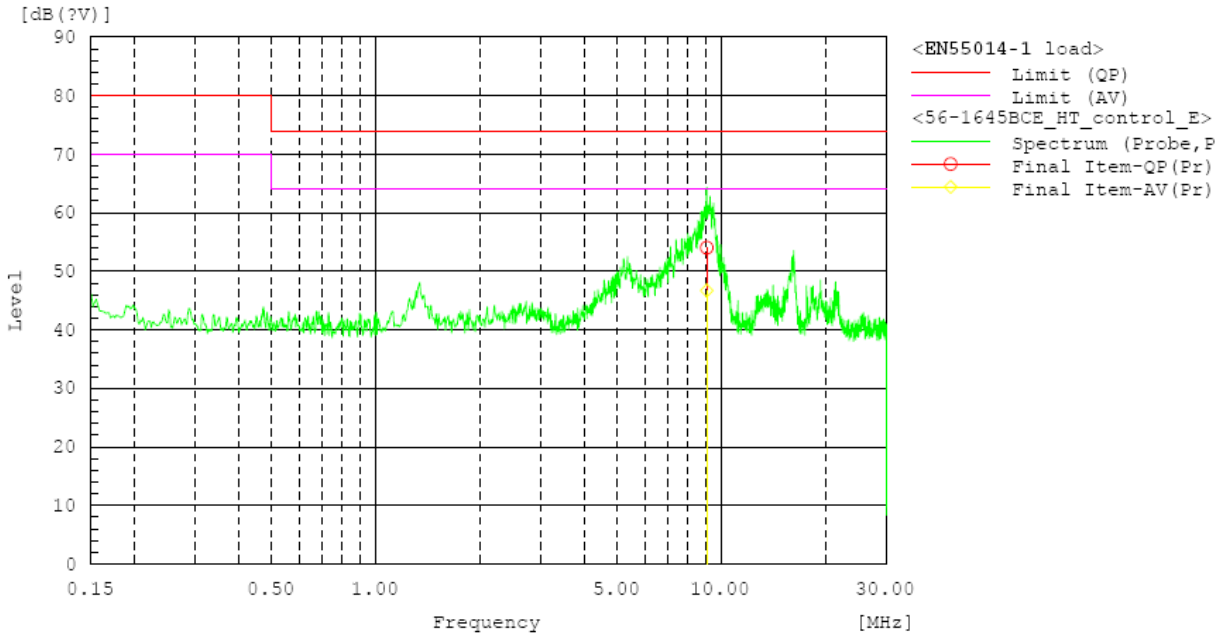
Operation mode D
Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.17562	27.5	17.3	30.5	58.0	47.8	80.0	70.0	22.0	22.2
2	0.18594	25.7	15.6	30.5	56.2	46.1	80.0	70.0	23.8	23.9
3	3.01104	21.0	16.2	30.4	51.4	46.6	74.0	64.0	22.6	17.4
4	9.2642	22.8	15.1	30.6	53.4	45.7	74.0	64.0	20.6	18.3
5	5.1638	18.2	13.4	30.4	48.6	43.8	74.0	64.0	25.4	20.2

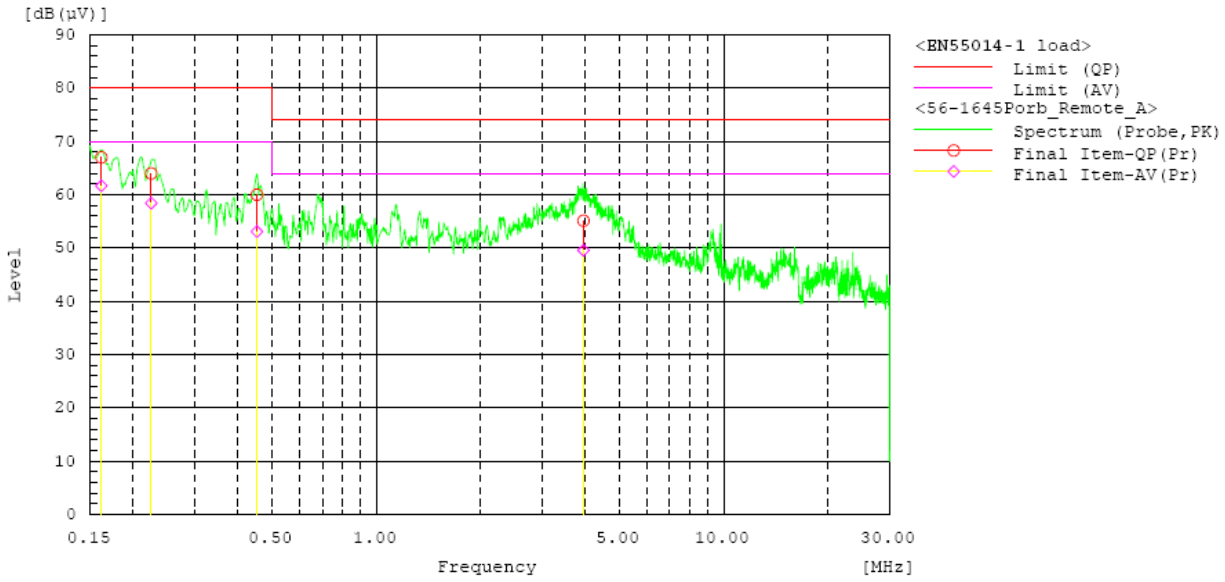
Operation mode D
Interconnection cable G (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	9.0646	23.4	16.1	30.6	54.0	46.7	74.0	64.0	20.0	17.3

Figure 7: Spectral Diagram, Continuous Disturbance Voltage – Wired remote control cable; Operation mode A
Wired remote control cable A (Indoor side)



--- Probe Phase ---

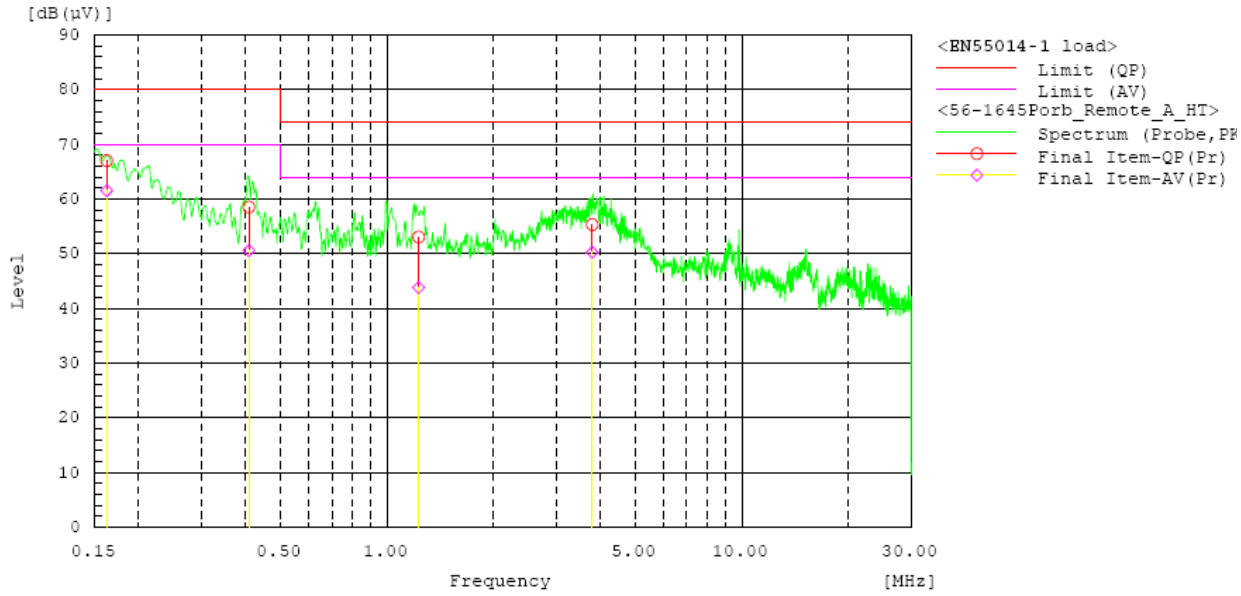
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16195	36.5	31.1	30.5	67.0	61.6	80.0	70.0	13.0	8.4
2	0.22517	33.5	27.9	30.5	64.0	58.4	80.0	70.0	16.0	11.6
3	0.45352	29.6	22.7	30.4	60.0	53.1	80.0	70.0	20.0	16.9
4	3.95232	24.7	19.2	30.4	55.1	49.6	74.0	64.0	18.9	14.4

Wired remote control cable B (Indoor side)

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15109	32.4	23.9	30.5	62.9	54.4	80.0	70.0	17.1	15.6
2	0.39499	27.5	17.8	30.4	57.9	48.2	80.0	70.0	22.1	21.8
3	0.61313	25.2	17.0	30.4	55.6	47.4	74.0	64.0	18.4	16.6
4	1.24368	22.9	14.2	30.4	53.3	44.6	74.0	64.0	20.7	19.4
5	3.99928	23.4	17.7	30.4	53.8	48.1	74.0	64.0	20.2	15.9

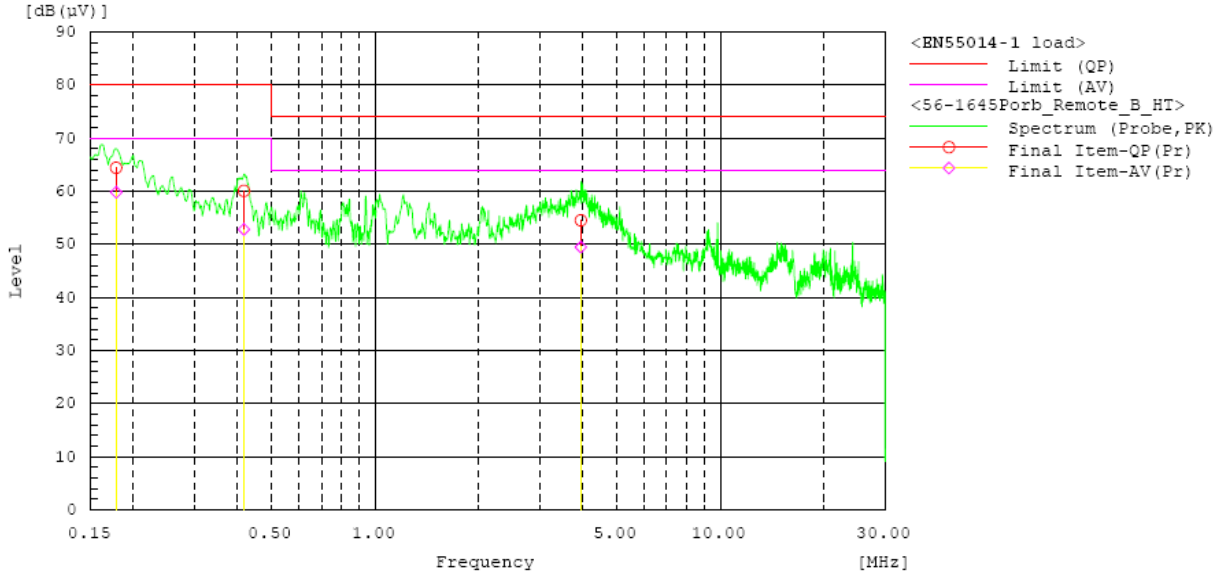
Operation mode B,
Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.40859	28.1	20.2	30.4	58.5	50.6	80.0	70.0	21.5	19.4
2	1.22952	22.6	13.4	30.4	53.0	43.8	74.0	64.0	21.0	20.2
3	3.79184	24.9	19.8	30.4	55.3	50.2	74.0	64.0	18.7	13.8
4	0.16248	36.5	31.0	30.5	67.0	61.5	80.0	70.0	13.0	8.5

Wired remote control cable B (Indoor side)

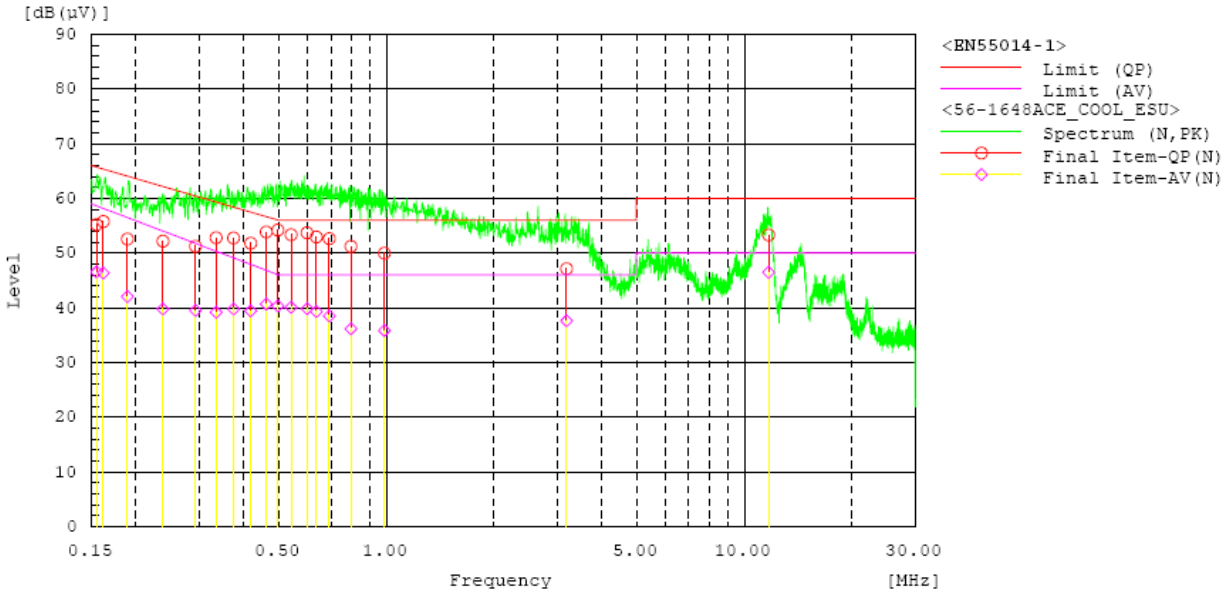


--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.17808	33.9	29.3	30.5	64.4	59.8	80.0	70.0	15.6	10.2
2	0.41744	29.7	22.4	30.4	60.1	52.8	80.0	70.0	19.9	17.2
3	3.9512	24.1	19.1	30.4	54.5	49.5	74.0	64.0	19.5	14.5

SET UP 4 : RAV-SM1401UTP-E/RAV-GM1401ATP-E

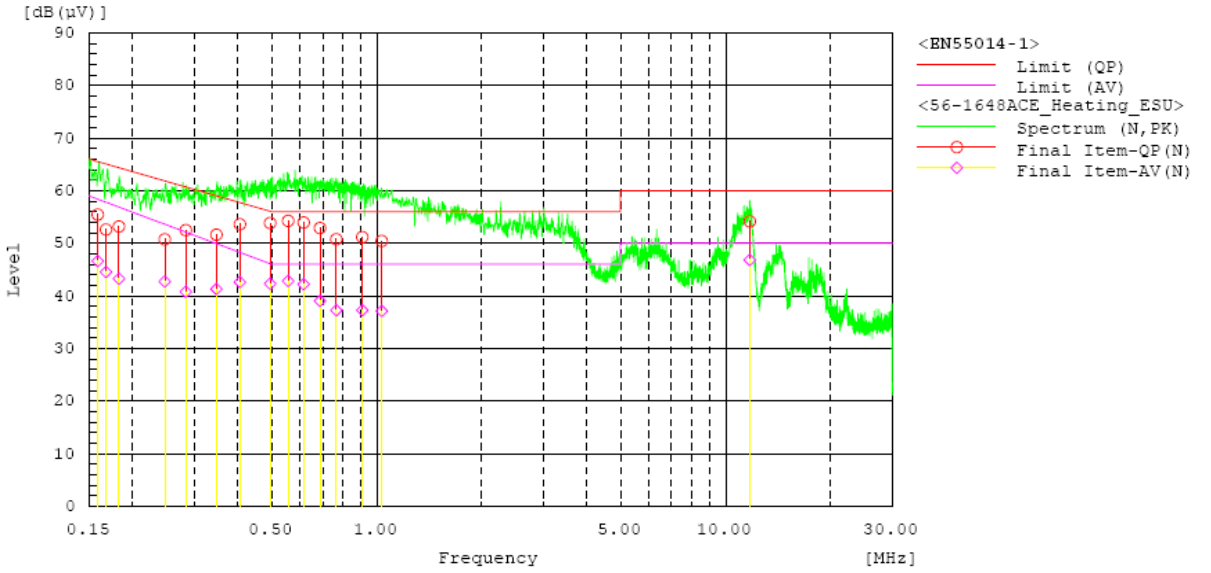
Figure 8: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Neutral; Operation mode A



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15508	45.0	36.3	10.2	55.2	46.5	65.7	58.6	10.5	12.1
2	0.16203	45.6	36.1	10.2	55.8	46.3	65.4	58.2	9.6	11.9
3	0.18917	42.4	31.8	10.2	52.6	42.0	64.1	56.5	11.5	14.5
4	0.23783	42.0	29.6	10.2	52.2	39.8	62.2	54.0	10.0	14.2
5	0.29318	41.0	29.3	10.2	51.2	39.5	60.4	51.8	9.2	12.3
6	0.33478	42.6	29.0	10.2	52.8	39.2	59.3	50.3	6.5	11.1
7	0.37443	42.6	29.6	10.2	52.8	39.8	58.4	49.1	5.6	9.3
8	0.41825	41.6	29.2	10.2	51.8	39.4	57.5	47.9	5.7	8.5
9	0.46216	43.7	30.5	10.2	53.9	40.7	56.7	46.8	2.8	6.1
10	0.49786	44.0	30.1	10.2	54.2	40.3	56.0	46.0	1.8	5.7
11	0.54214	43.1	29.9	10.2	53.3	40.1	56.0	46.0	2.7	5.9
12	0.60083	43.5	29.6	10.2	53.7	39.8	56.0	46.0	2.3	6.2
13	0.63825	42.7	29.1	10.2	52.9	39.3	56.0	46.0	3.1	6.7
14	0.69322	42.4	28.3	10.2	52.6	38.5	56.0	46.0	3.4	7.5
15	0.79639	41.0	26.0	10.2	51.2	36.2	56.0	46.0	4.8	9.8
16	0.98788	39.8	25.6	10.2	50.0	35.8	56.0	46.0	6.0	10.2
17	11.69599	42.6	35.8	10.7	53.3	46.5	60.0	50.0	6.7	3.5
18	3.18987	36.8	27.3	10.3	47.1	37.6	56.0	46.0	8.9	8.4

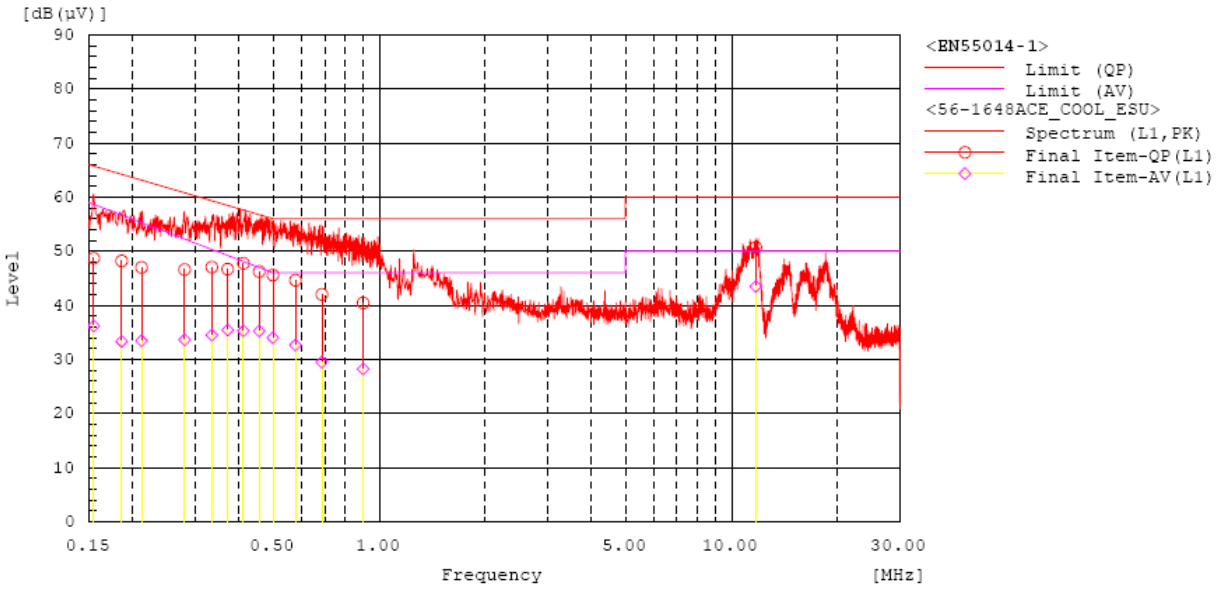
Operation mode B



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15863	45.2	36.4	10.2	55.4	46.6	65.5	58.4	10.1	11.8
2	0.16759	42.4	34.4	10.2	52.6	44.6	65.1	57.8	12.5	13.2
3	0.18251	43.0	33.0	10.2	53.2	43.2	64.4	56.9	11.2	13.7
4	0.24684	40.5	32.5	10.2	50.7	42.7	61.9	53.6	11.2	10.9
5	0.28374	42.3	30.6	10.2	52.5	40.8	60.7	52.1	8.2	11.3
6	0.34742	41.4	31.1	10.2	51.6	41.3	59.0	49.9	7.4	8.6
7	0.40549	43.4	32.4	10.2	53.6	42.6	57.7	48.3	4.1	5.7
8	0.5577	44.1	32.6	10.2	54.3	42.8	56.0	46.0	1.7	3.2
9	0.61728	43.7	32.0	10.2	53.9	42.2	56.0	46.0	2.1	3.8
10	0.49494	43.7	32.1	10.2	53.9	42.3	56.1	46.1	2.2	3.8
11	0.68774	42.7	28.8	10.2	52.9	39.0	56.0	46.0	3.1	7.0
12	0.76592	40.6	27.0	10.2	50.8	37.2	56.0	46.0	5.2	8.8
13	0.90934	41.0	27.1	10.2	51.2	37.3	56.0	46.0	4.8	8.7
14	1.03365	40.2	26.9	10.2	50.4	37.1	56.0	46.0	5.6	8.9
15	11.73238	43.5	36.1	10.7	54.2	46.8	60.0	50.0	5.8	3.2

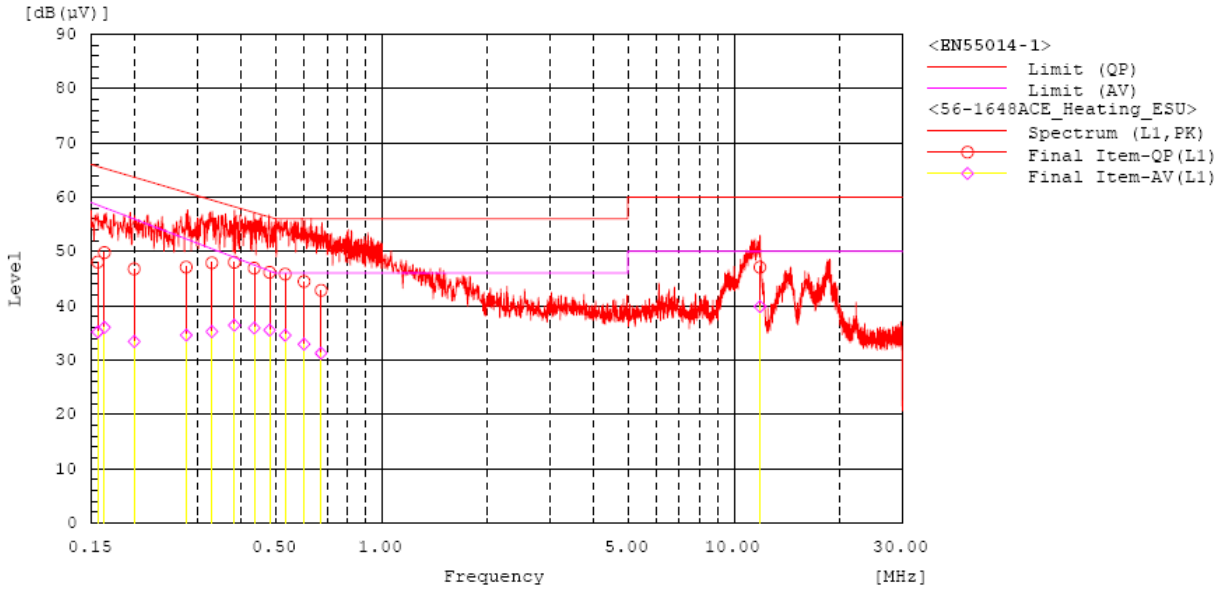
Figure 9: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Line; Operation mode A



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15476	38.5	26.0	10.2	48.7	36.2	65.7	58.7	17.0	22.5
2	0.18571	38.0	23.1	10.2	48.2	33.3	64.2	56.7	16.0	23.4
3	0.21151	36.8	23.2	10.2	47.0	33.4	63.1	55.3	16.1	21.9
4	0.28035	36.4	23.4	10.2	46.6	33.6	60.8	52.2	14.2	18.6
5	0.33471	36.9	24.3	10.2	47.1	34.5	59.3	50.3	12.2	15.8
6	0.3713	36.5	25.2	10.2	46.7	35.4	58.5	49.2	11.8	13.8
7	0.41171	37.6	25.1	10.2	47.8	35.3	57.6	48.1	9.8	12.8
8	0.45639	36.0	25.0	10.2	46.2	35.2	56.8	47.0	10.6	11.8
9	0.49905	35.4	23.8	10.2	45.6	34.0	56.0	46.0	10.4	12.0
10	0.57828	34.4	22.4	10.2	44.6	32.6	56.0	46.0	11.4	13.4
11	0.68716	31.8	19.3	10.2	42.0	29.5	56.0	46.0	14.0	16.5
12	0.90007	30.2	18.0	10.2	40.4	28.2	56.0	46.0	15.6	17.8
13	11.71635	40.2	33.0	10.5	50.7	43.5	60.0	50.0	9.3	6.5

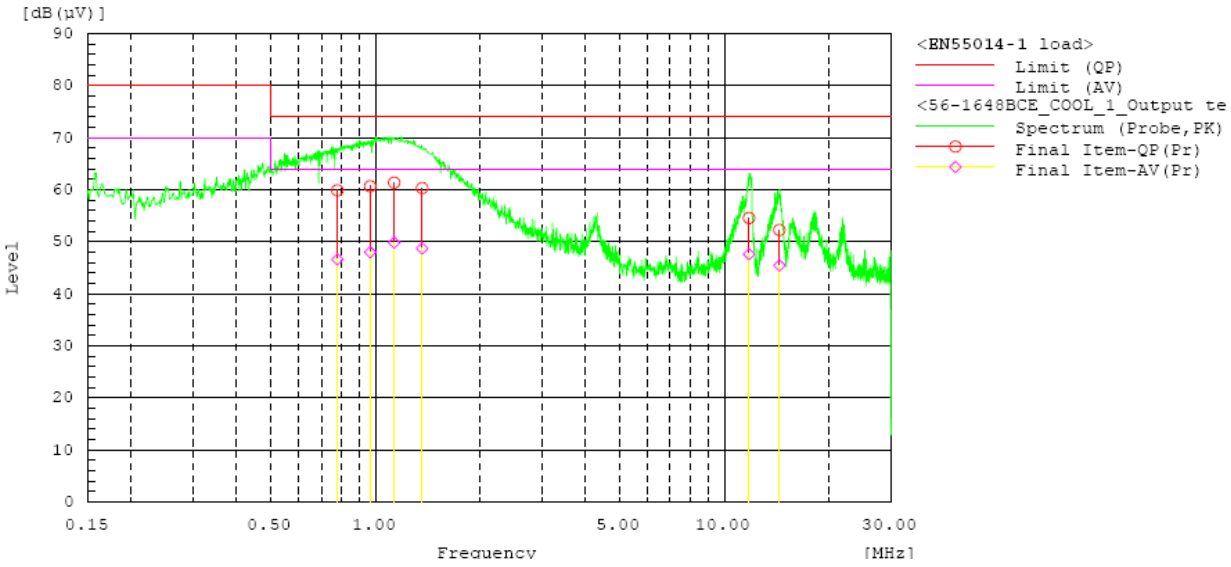
Operation mode B



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16354	39.6	25.8	10.2	49.8	36.0	65.3	58.1	15.5	22.1
2	0.15655	37.8	25.0	10.2	48.0	35.2	65.6	58.5	17.6	23.3
3	0.19861	36.6	23.2	10.2	46.8	33.4	63.7	56.0	16.9	22.6
4	0.27913	36.9	24.4	10.2	47.1	34.6	60.8	52.3	13.7	17.7
5	0.33007	37.7	25.0	10.2	47.9	35.2	59.4	50.5	11.5	15.3
6	0.38205	37.8	26.2	10.2	48.0	36.4	58.2	48.9	10.2	12.5
7	0.43491	36.7	25.7	10.2	46.9	35.9	57.2	47.5	10.3	11.6
8	0.48112	35.9	25.3	10.2	46.1	35.5	56.3	46.4	10.2	10.9
9	0.5327	35.6	24.4	10.2	45.8	34.6	56.0	46.0	10.2	11.4
10	0.60292	34.3	22.7	10.2	44.5	32.9	56.0	46.0	11.5	13.1
11	0.67347	32.6	21.0	10.2	42.8	31.2	56.0	46.0	13.2	14.8
12	11.84375	36.6	29.3	10.5	47.1	39.8	60.0	50.0	12.9	10.2

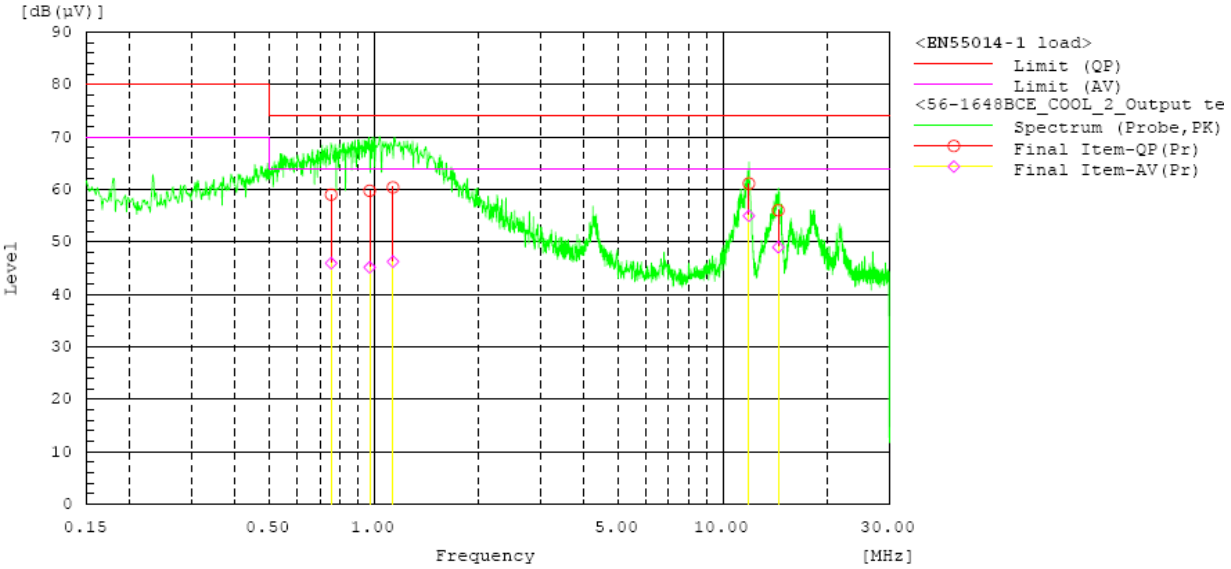
Figure 10: Spectral Diagram, Continuous Disturbance Voltage – Interconnection cable; Operation mode A, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.77877	29.5	16.2	30.4	59.9	46.6	74.0	64.0	14.1	17.4
2	0.96663	30.2	17.6	30.4	60.6	48.0	74.0	64.0	13.4	16.0
3	1.13276	30.9	19.4	30.4	61.3	49.8	74.0	64.0	12.7	14.2
4	1.36199	29.9	18.3	30.4	60.3	48.7	74.0	64.0	13.7	15.3
5	11.77613	23.9	17.0	30.6	54.5	47.6	74.0	64.0	19.5	16.4
6	14.38509	21.7	14.8	30.6	52.3	45.4	74.0	64.0	21.7	18.6

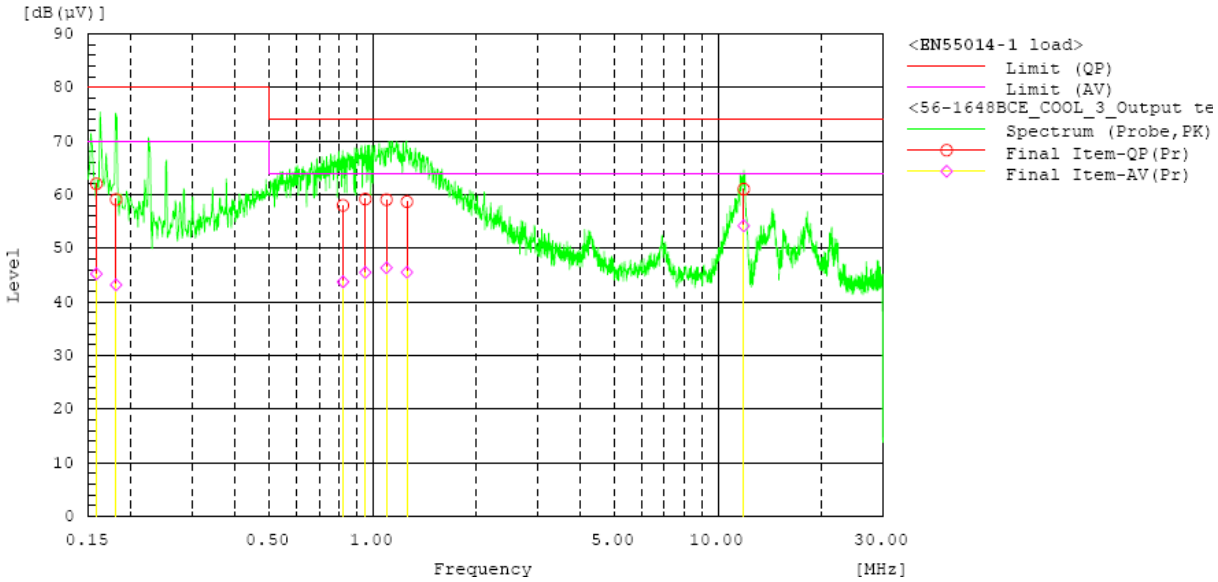
Operation mode A, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.75434	28.6	15.5	30.4	59.0	45.9	74.0	64.0	15.0	18.1
2	0.9728	29.3	14.7	30.4	59.7	45.1	74.0	64.0	14.3	18.9
3	1.13487	30.0	15.8	30.4	60.4	46.2	74.0	64.0	13.6	17.8
4	11.8915	30.5	24.4	30.6	61.1	55.0	74.0	64.0	12.9	9.0
5	14.4391	25.4	18.4	30.6	56.0	49.0	74.0	64.0	18.0	15.0

Operation mode A, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15855	31.5	14.7	30.5	62.0	45.2	80.0	70.0	18.0	24.8
2	0.18087	28.6	12.7	30.5	59.1	43.2	80.0	70.0	20.9	26.8
3	0.82101	27.6	13.3	30.4	58.0	43.7	74.0	64.0	16.0	20.3
4	0.95268	28.8	15.0	30.4	59.2	45.4	74.0	64.0	14.8	18.6
5	1.09756	28.6	15.9	30.4	59.0	46.3	74.0	64.0	15.0	17.7
6	1.25801	28.3	15.1	30.4	58.7	45.5	74.0	64.0	15.3	18.5
7	11.89118	30.4	23.6	30.6	61.0	54.2	74.0	64.0	13.0	9.8

Operation mode A, Interconnection cable E (Outdoor side)

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	9.26859	24.4	17.9	30.6	55.0	48.5	74.0	64.0	19.0	15.5
2	11.03445	24.3	16.7	30.6	54.9	47.3	74.0	64.0	19.1	16.7

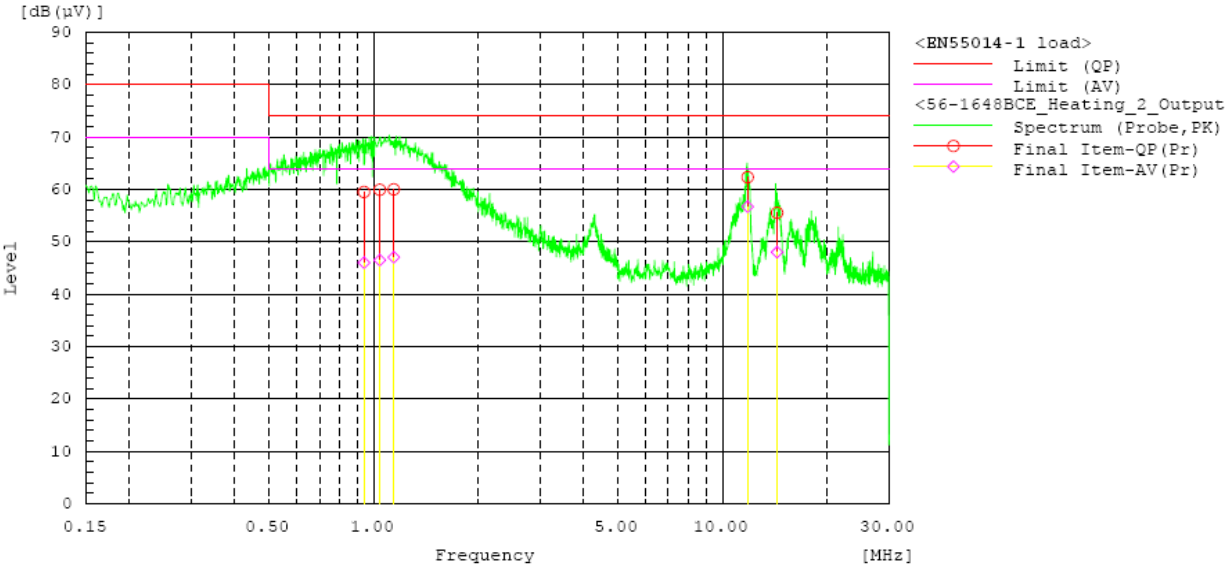
Operation mode B

Operation mode B, Interconnection cable 1 (Outdoor side)

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.95166	29.3	16.7	30.4	59.7	47.1	74.0	64.0	14.3	16.9
2	1.10205	30.1	17.8	30.4	60.5	48.2	74.0	64.0	13.5	15.8
3	1.18359	29.5	16.8	30.4	59.9	47.2	74.0	64.0	14.1	16.8
4	11.850	31.7	28.9	30.6	62.3	59.5	74.0	64.0	11.7	4.5
5	14.34087	25.4	18.0	30.6	56.0	48.6	74.0	64.0	18.0	15.4

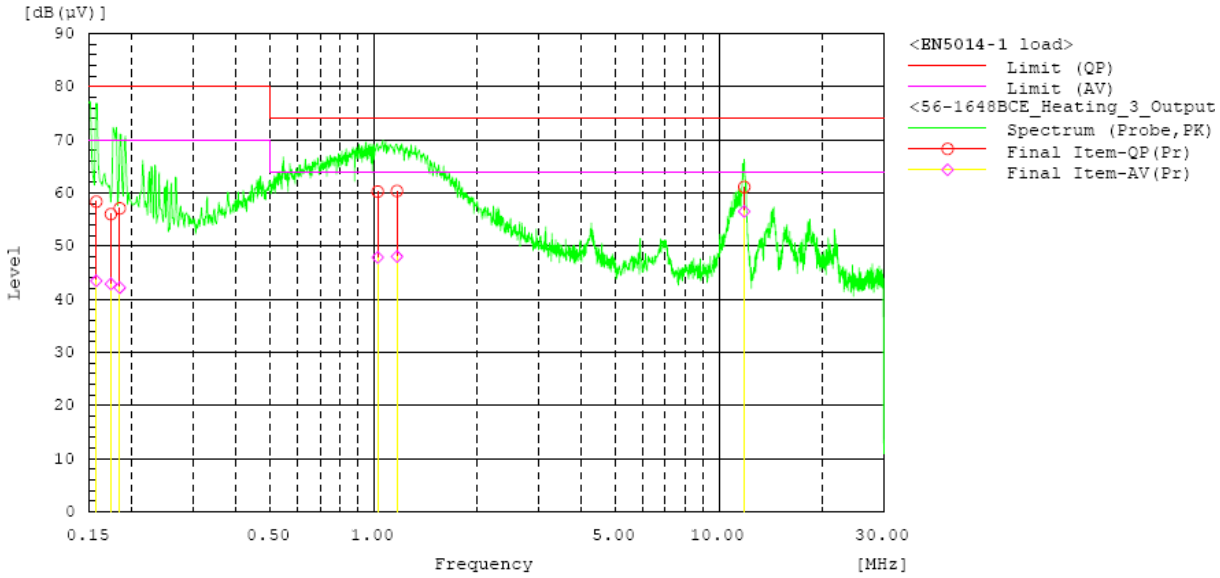
Operation mode B, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.93952	29.1	15.6	30.4	59.5	46.0	74.0	64.0	14.5	18.0
2	1.04269	29.5	16.1	30.4	59.9	46.5	74.0	64.0	14.1	17.5
3	1.1432	29.6	16.6	30.4	60.0	47.0	74.0	64.0	14.0	17.0
4	11.81618	31.7	26.1	30.6	62.3	56.7	74.0	64.0	11.7	7.3
5	14.35673	24.9	17.4	30.6	55.5	48.0	74.0	64.0	18.5	16.0

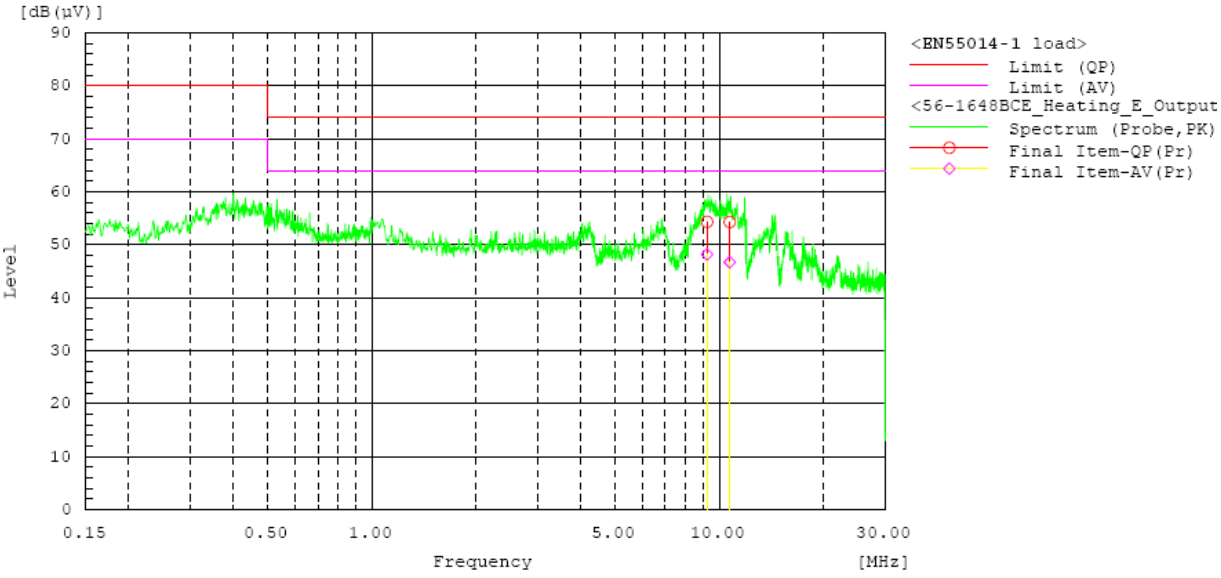
Operation mode B, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	1.0282	29.8	17.4	30.4	60.2	47.8	74.0	64.0	13.8	16.2
2	1.16949	30.0	17.6	30.4	60.4	48.0	74.0	64.0	13.6	16.0
3	11.84983	30.5	25.9	30.6	61.1	56.5	74.0	64.0	12.9	7.5
4	0.15753	27.9	13.0	30.5	58.4	43.5	80.0	70.0	21.6	26.5
5	0.17357	25.5	12.3	30.5	56.0	42.8	80.0	70.0	24.0	27.2
6	0.18425	26.6	11.7	30.5	57.1	42.2	80.0	70.0	22.9	27.8

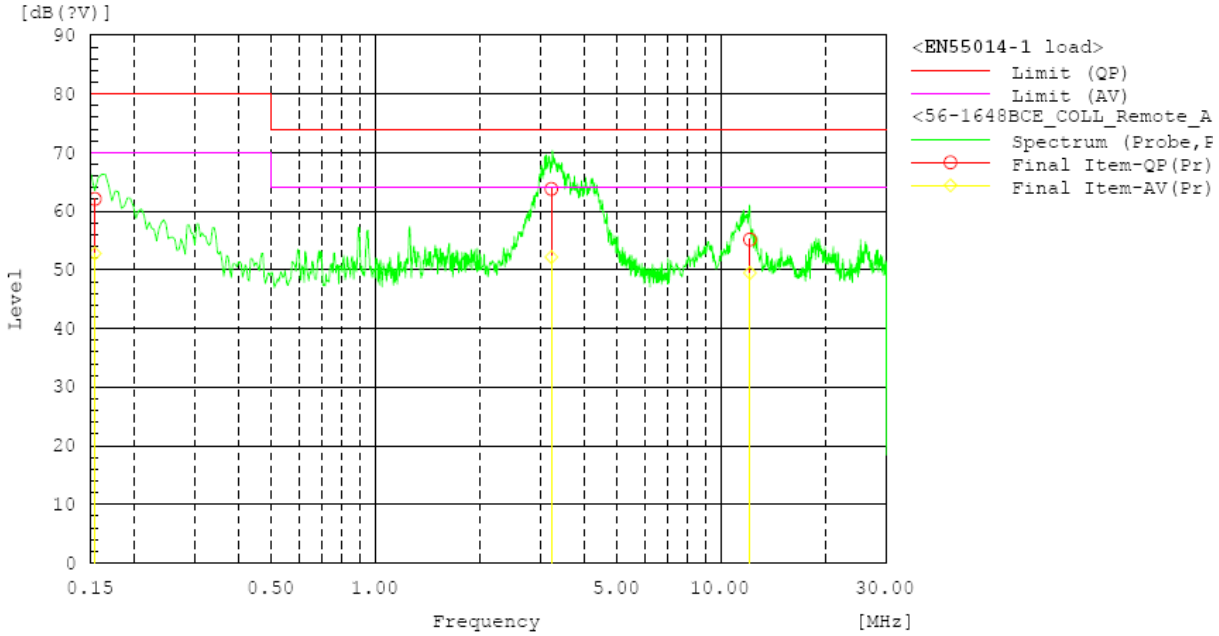
Operation mode B, Interconnection cable E (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	9.23894	23.7	17.6	30.6	54.3	48.2	74.0	64.0	19.7	15.8
2	10.72837	23.7	16.1	30.6	54.3	46.7	74.0	64.0	19.7	17.3

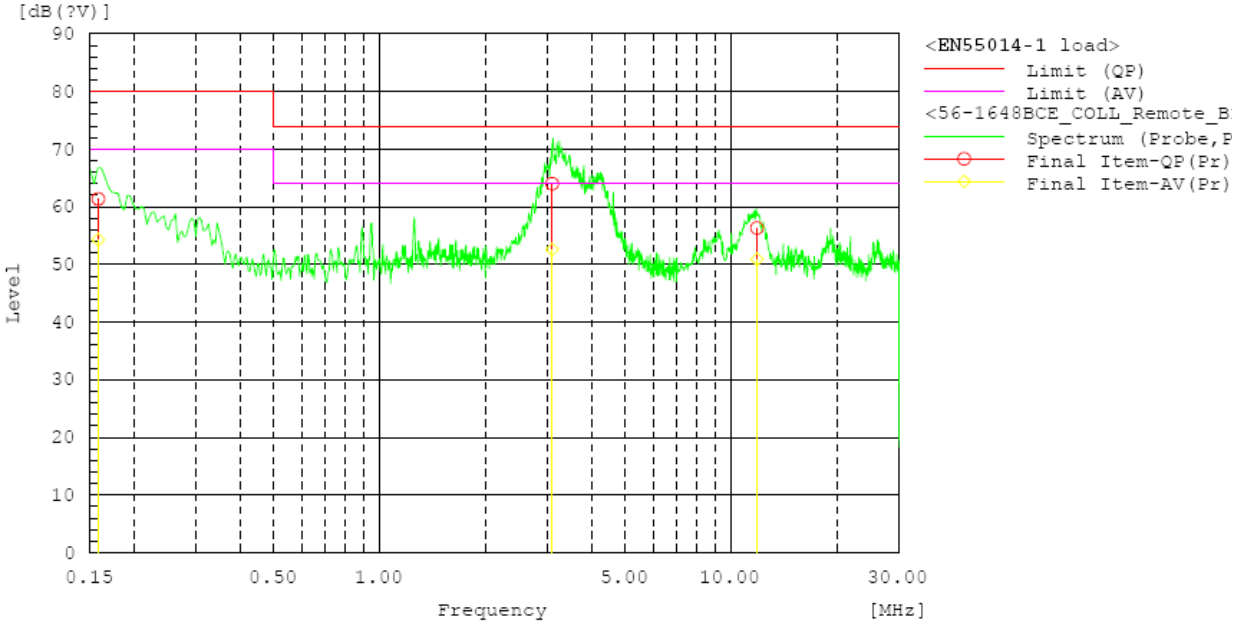
Figure 11: Spectral Diagram, Continuous Disturbance Voltage – Wired remote control cable; Operation mode A,
Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15396	31.6	22.3	30.5	62.1	52.8	80.0	70.0	17.9	17.2
2	3.221	33.4	21.8	30.4	63.8	52.2	74.0	64.0	10.2	11.8
3	12.10048	24.6	18.9	30.6	55.2	49.5	74.0	64.0	18.8	14.5

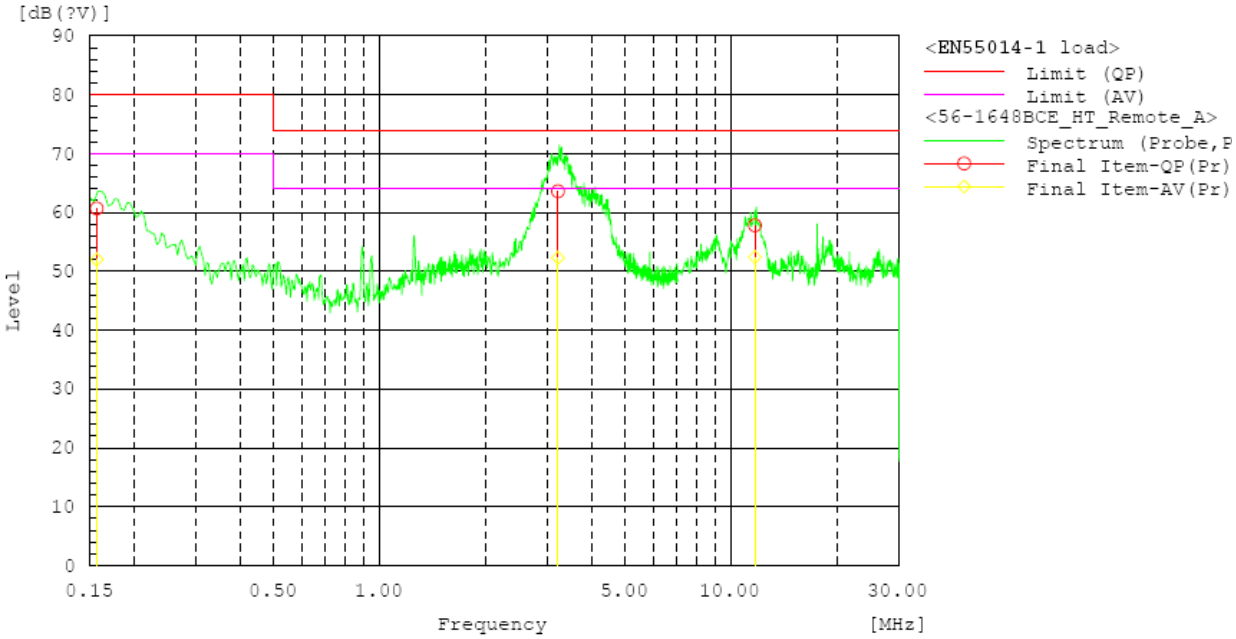
Wired remote control cable B (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15814	30.9	23.8	30.5	61.4	54.3	80.0	70.0	18.6	15.7
2	11.84104	25.7	20.3	30.6	56.3	50.9	74.0	64.0	17.7	13.1
3	3.095	33.6	22.2	30.4	64.0	52.6	74.0	64.0	10.0	11.4

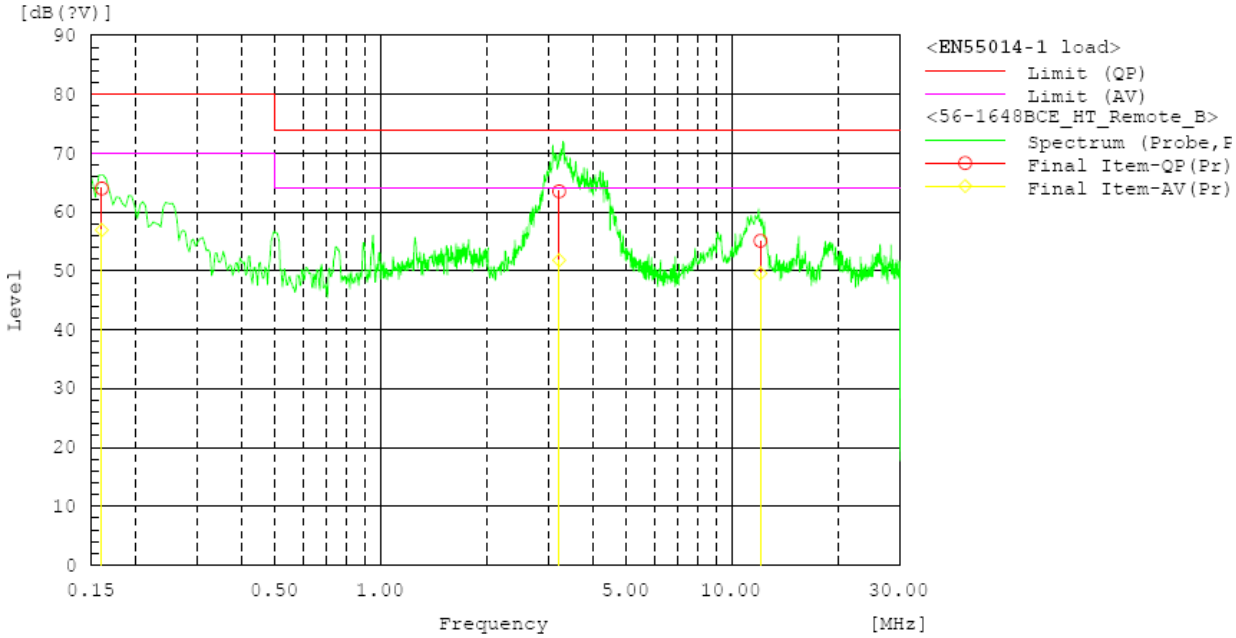
Operation mode B,
Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15644	30.2	21.5	30.5	60.7	52.0	80.0	70.0	19.3	18.0
2	3.214	33.2	21.9	30.4	63.6	52.3	74.0	64.0	10.4	11.7
3	11.68096	27.2	21.8	30.6	57.8	52.4	74.0	64.0	16.2	11.6

Wired remote control cable B (Indoor side)

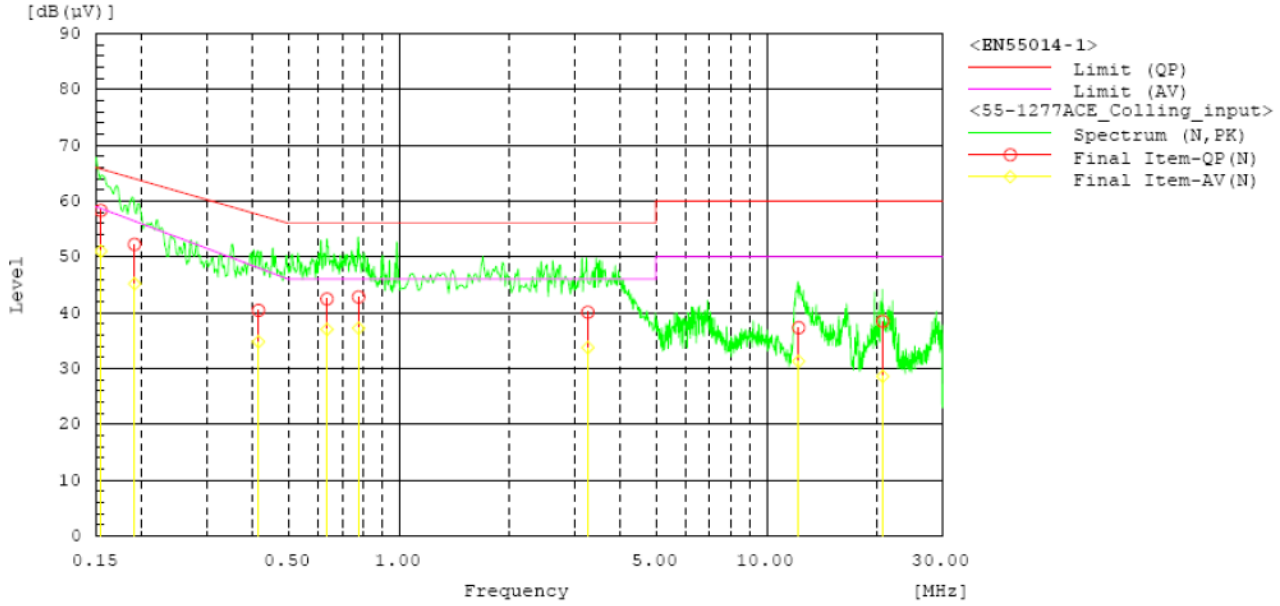


--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.16025	33.5	26.5	30.5	64.0	57.0	80.0	70.0	16.0	13.0
2	12.02228	24.5	19.0	30.6	55.1	49.6	74.0	64.0	18.9	14.4
3	3.213	33.1	21.4	30.4	63.5	51.8	74.0	64.0	10.5	12.2

SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

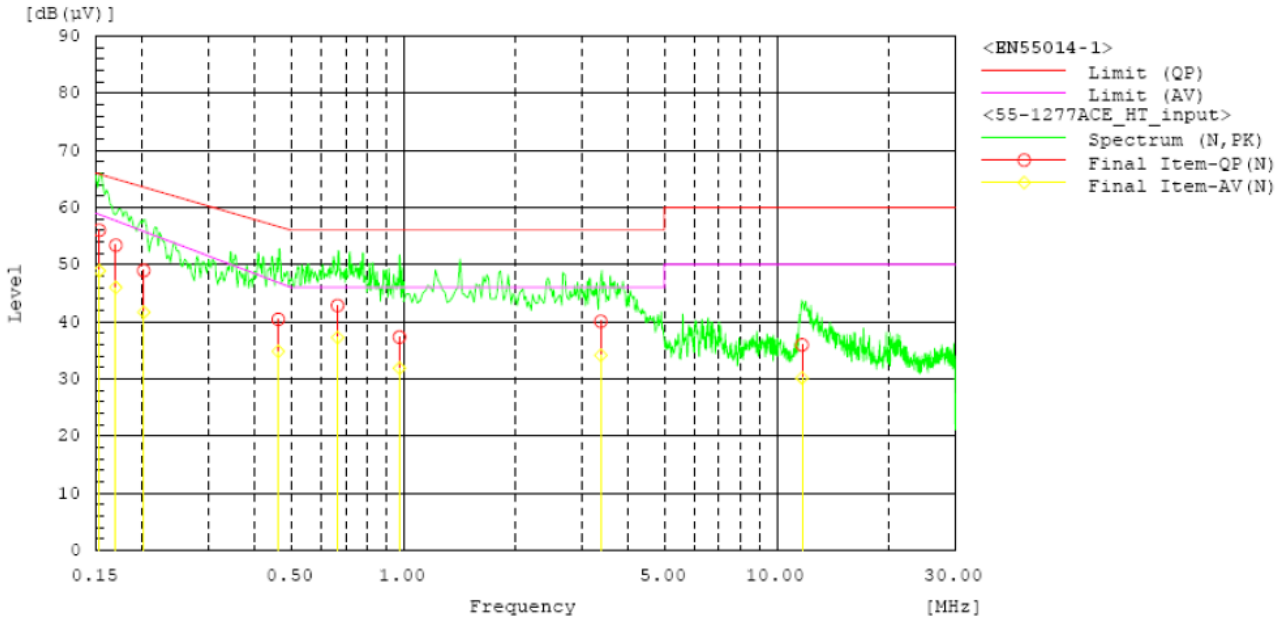
Figure 12: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Neutral; Operation mode A



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15456	48.1	40.8	10.2	58.3	51.0	65.8	58.7	7.5	7.7
2	0.19077	42.0	35.0	10.2	52.2	45.2	64.0	56.4	11.8	11.2
3	0.41474	30.2	24.6	10.2	40.4	34.8	57.6	48.0	17.2	13.2
4	0.63695	32.1	26.7	10.3	42.4	37.0	56.0	46.0	13.6	9.0
5	0.77606	32.5	26.9	10.3	42.8	37.2	56.0	46.0	13.2	8.8
6	3.26224	29.7	23.3	10.4	40.1	33.7	56.0	46.0	15.9	12.3
7	12.222	26.5	20.5	10.8	37.3	31.3	60.0	50.0	22.7	18.7
8	20.7016	27.5	17.6	11.0	38.5	28.6	60.0	50.0	21.5	21.4

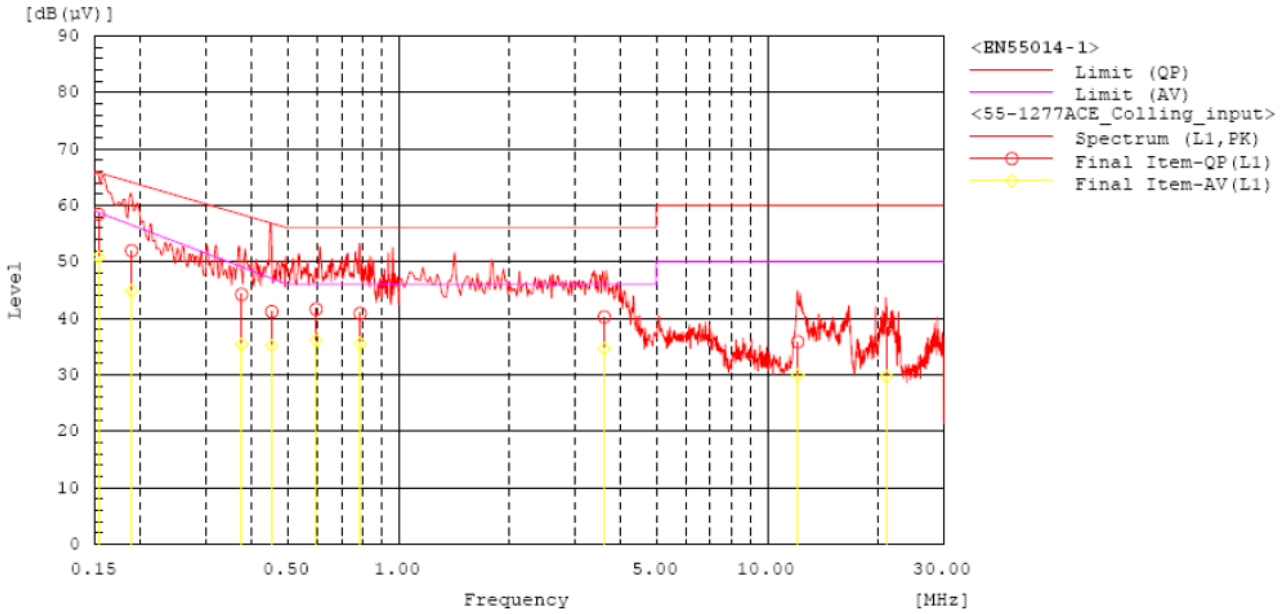
Operation mode B



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.1532	45.8	38.7	10.2	56.0	48.9	65.8	58.8	9.8	9.9
2	0.16969	43.2	35.8	10.2	53.4	46.0	65.0	57.7	11.6	11.7
3	0.20151	38.8	31.5	10.2	49.0	41.7	63.5	55.8	14.5	14.1
4	0.4621	30.2	24.6	10.2	40.4	34.8	56.7	46.9	16.3	12.1
5	0.66588	32.5	26.9	10.3	42.8	37.2	56.0	46.0	13.2	8.8
6	0.97549	27.0	21.5	10.3	37.3	31.8	56.0	46.0	18.7	14.2
7	3.37726	29.6	23.7	10.4	40.0	34.1	56.0	46.0	16.0	11.9
8	11.6844	25.1	19.3	10.8	35.9	30.1	60.0	50.0	24.1	19.9

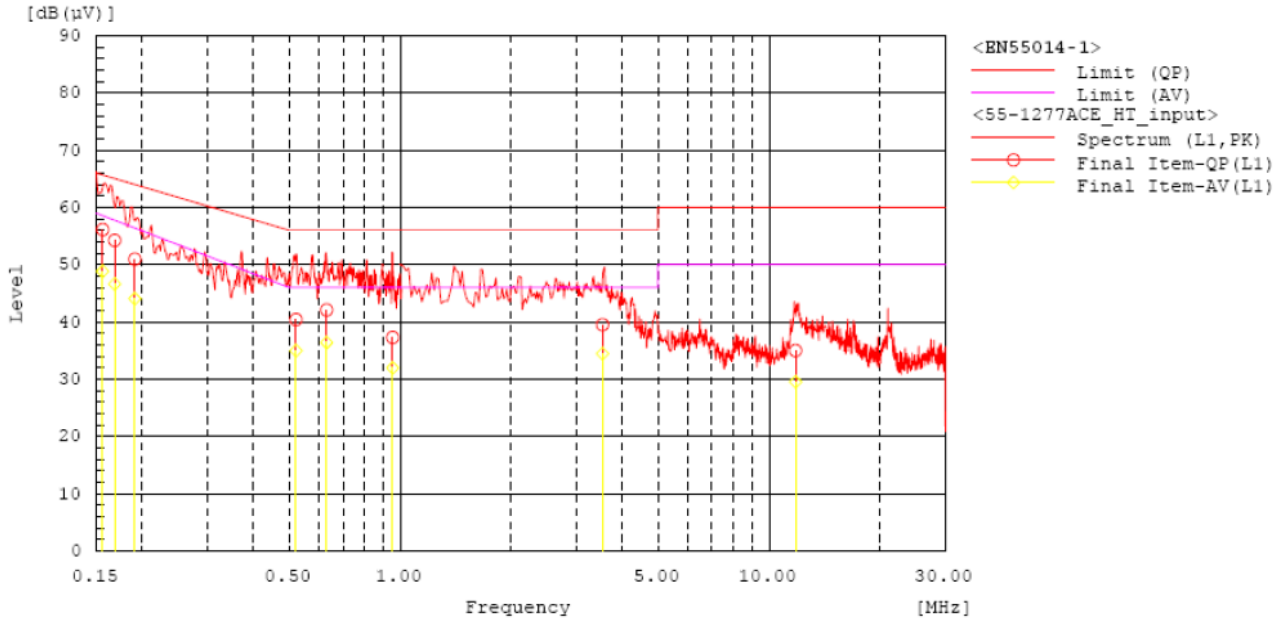
Figure 13: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Line; Operation mode A



--- Ll Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15359	48.2	40.6	10.2	58.4	50.8	65.8	58.7	7.4	7.9
2	0.1889	41.8	34.7	10.2	52.0	44.9	64.1	56.5	12.1	11.6
3	0.37551	34.0	25.2	10.2	44.2	35.4	58.4	49.1	14.2	13.7
4	0.45296	31.0	24.9	10.2	41.2	35.1	56.8	47.1	15.6	12.0
5	0.7866	30.5	25.3	10.3	40.8	35.6	56.0	46.0	15.2	10.4
6	0.59763	31.3	25.8	10.3	41.6	36.1	56.0	46.0	14.4	9.9
7	3.61252	29.8	24.2	10.4	40.2	34.6	56.0	46.0	15.8	11.4
8	12.0876	24.9	19.1	10.9	35.8	30.0	60.0	50.0	24.2	20.0
9	21.0384	27.1	18.4	11.3	38.4	29.7	60.0	50.0	21.6	20.3

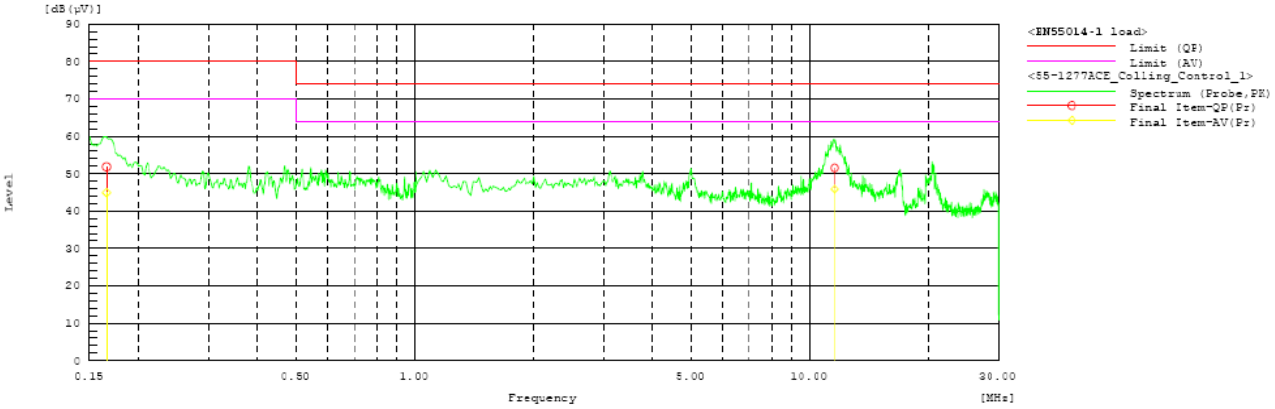
Operation mode B



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15627	45.9	38.6	10.2	56.1	48.8	65.7	58.6	9.6	9.8
2	0.16838	44.0	36.4	10.2	54.2	46.6	65.0	57.8	10.8	11.2
3	0.191	40.7	33.9	10.2	50.9	44.1	64.0	56.4	13.1	12.3
4	0.5221	30.2	24.8	10.2	40.4	35.0	56.0	46.0	15.6	11.0
5	0.63224	31.8	26.1	10.3	42.1	36.4	56.0	46.0	13.9	9.6
6	0.95485	27.0	21.6	10.3	37.3	31.9	56.0	46.0	18.7	14.1
7	3.53656	29.1	24.1	10.4	39.5	34.5	56.0	46.0	16.5	11.5
8	11.7928	24.2	18.7	10.8	35.0	29.5	60.0	50.0	25.0	20.5

Figure 14: Spectral Diagram, Continuous Disturbance Voltage – Interconnection cable; Operation mode A, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

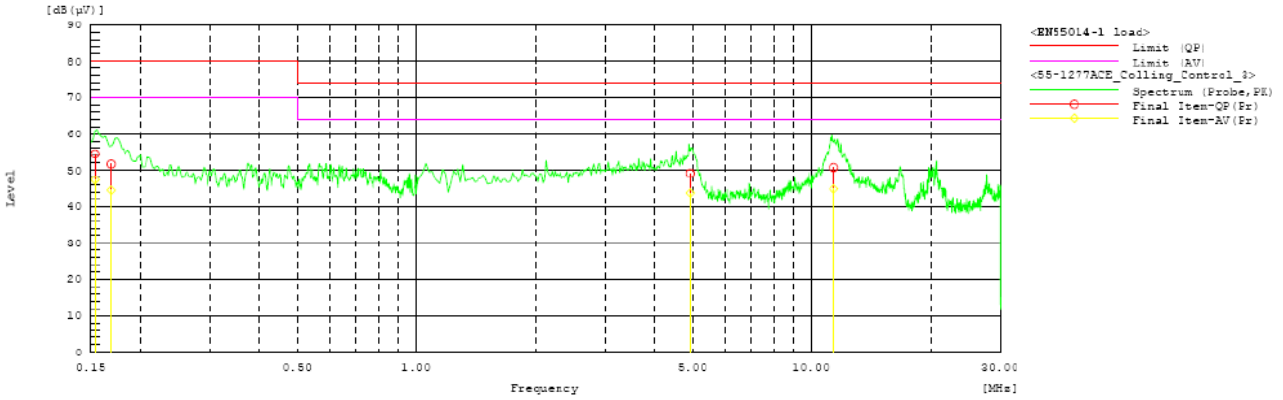
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16566	21.3	14.4	30.5	51.8	44.9	80.0	70.0	28.2	25.1
2	11.548	20.9	15.3	30.6	51.5	45.9	74.0	64.0	22.5	18.1

Operation mode A, Interconnection cable 2 (Outdoor side)

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.1609	29.3	21.1	30.5	59.8	51.6	80.0	70.0	20.2	18.4
2	0.17859	26.0	19.0	30.5	56.5	49.5	80.0	70.0	23.5	20.5
3	4.95964	16.8	10.3	30.4	47.2	40.7	74.0	64.0	26.8	23.3
4	11.5296	22.1	13.4	30.6	52.7	44.0	74.0	64.0	21.3	20.0

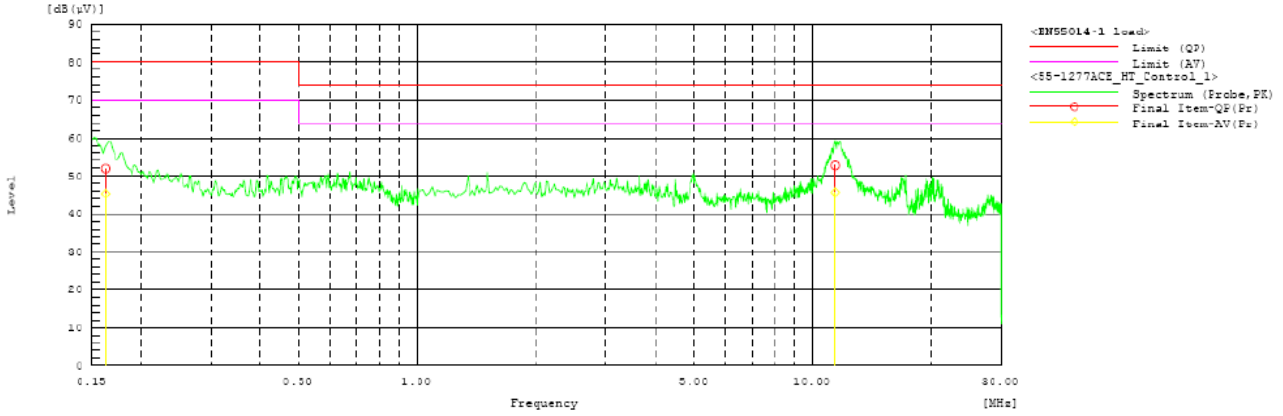
Operation mode A, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.1533	24.0	16.8	30.5	54.5	47.3	80.0	70.0	25.5	22.7
2	0.16877	21.2	14.0	30.5	51.7	44.5	80.0	70.0	28.3	25.5
3	4.9249	18.8	13.4	30.4	49.2	43.8	74.0	64.0	24.8	20.2
4	11.350	20.2	14.3	30.6	50.8	44.9	74.0	64.0	23.2	19.1

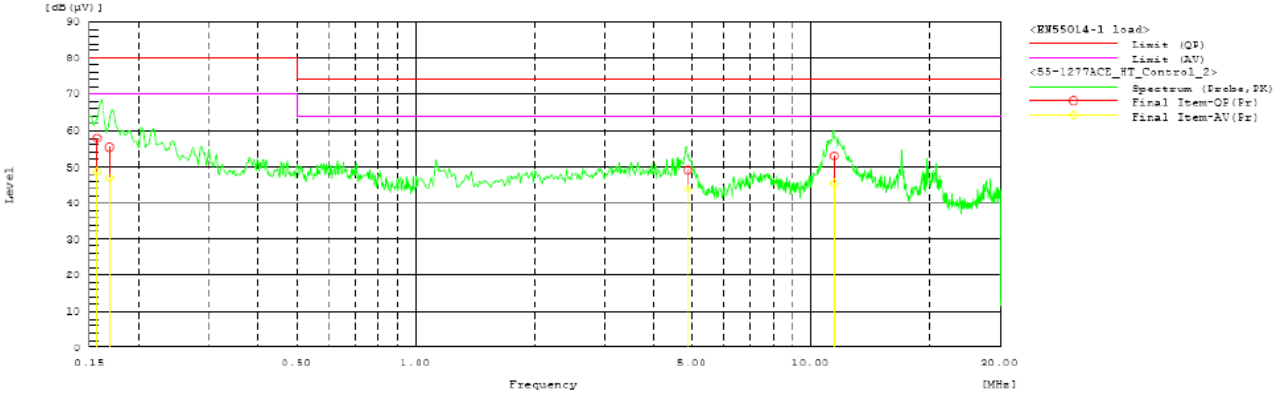
Operation mode B, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16251	21.4	14.8	30.5	51.9	45.3	80.0	70.0	28.1	24.7
2	11.384	22.1	15.1	30.6	52.7	45.7	74.0	64.0	21.3	18.3

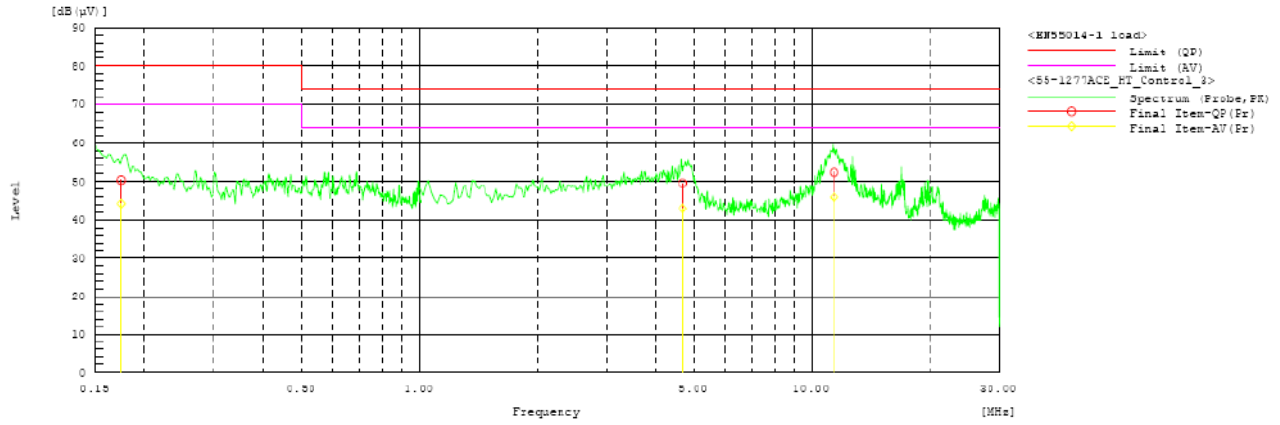
Operation mode B, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15622	27.4	18.3	30.5	57.9	48.8	80.0	70.0	22.1	21.2
2	0.16809	24.9	16.5	30.5	55.4	47.0	80.0	70.0	24.6	23.0
3	4.87306	18.8	13.4	30.4	49.2	43.8	74.0	64.0	24.8	20.2
4	11.412	22.4	14.9	30.6	53.0	45.5	74.0	64.0	21.0	18.5

Operation mode B, Interconnection cable 3 (Outdoor side)

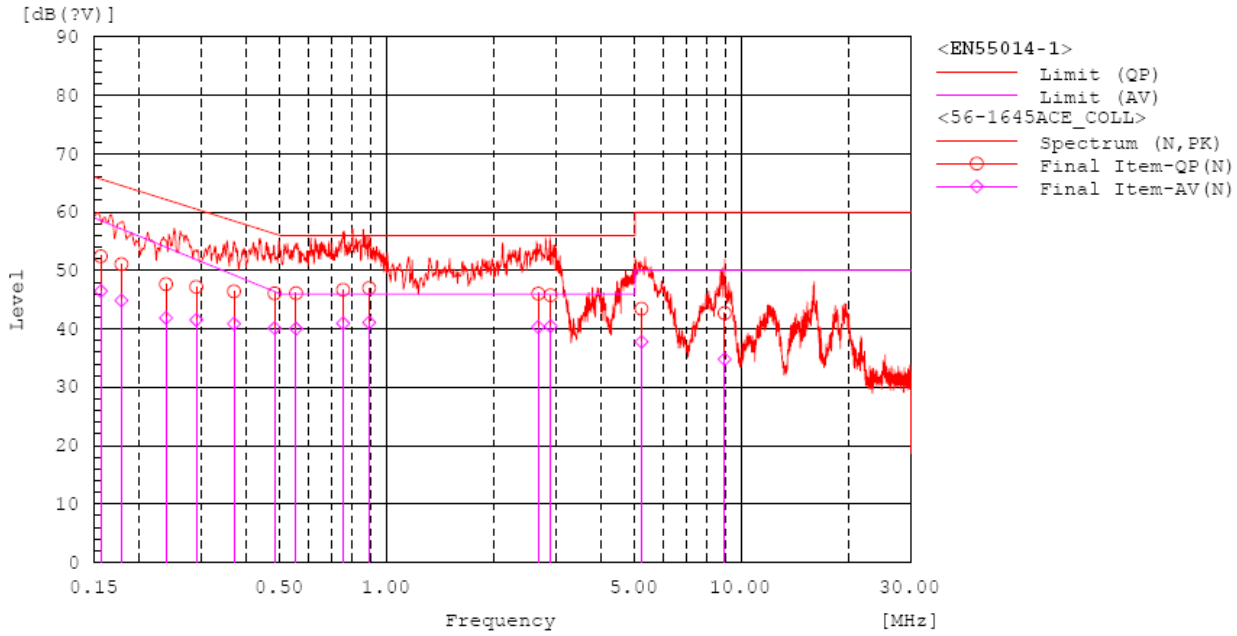


--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.17494	19.8	13.8	30.5	50.3	44.3	80.0	70.0	29.7	25.7
2	4.68442	19.1	12.6	30.4	49.5	43.0	74.0	64.0	24.5	21.0
3	11.392	21.7	15.3	30.6	52.3	45.9	74.0	64.0	21.7	18.1

SET UP 6 : RAV-RM801UTP-E/RAV-SM804ATP-E

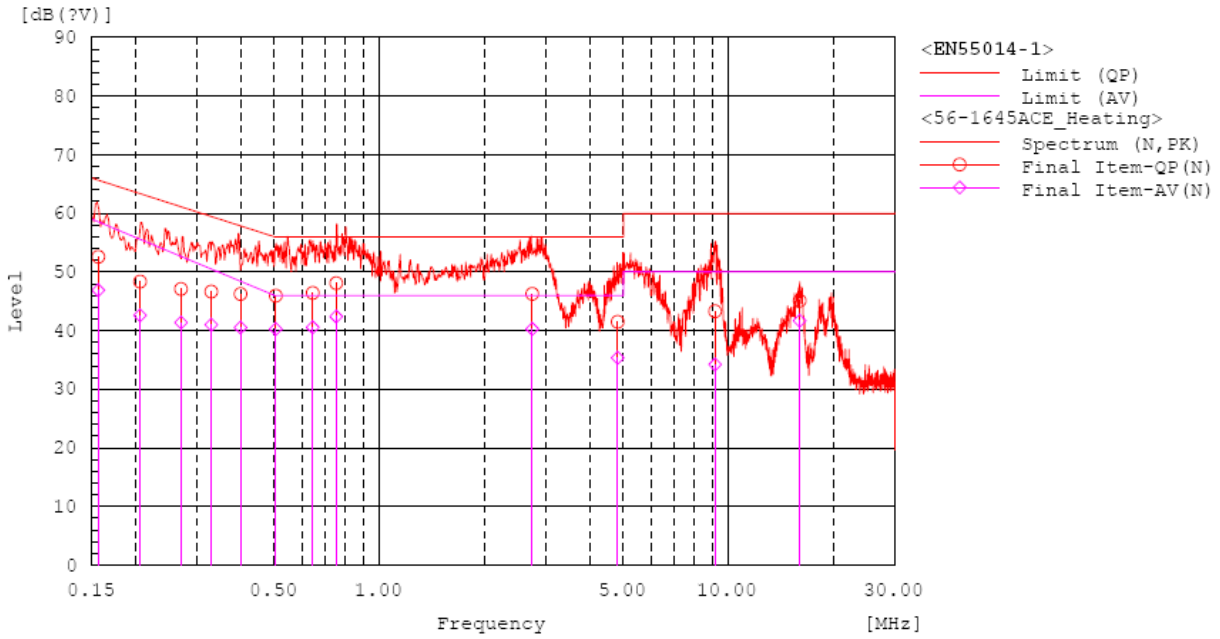
Figure 15: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Neutral; Operation mode A



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15604	42.2	36.3	10.2	52.4	46.5	65.7	58.6	13.3	12.1
2	0.17851	40.9	34.7	10.2	51.1	44.9	64.6	57.1	13.5	12.2
3	0.23818	37.5	31.7	10.2	47.7	41.9	62.2	54.0	14.5	12.1
4	0.28993	37.0	31.3	10.2	47.2	41.5	60.5	51.9	13.3	10.4
5	0.37037	36.2	30.7	10.2	46.4	40.9	58.5	49.2	12.1	8.3
6	0.48233	35.9	29.9	10.2	46.1	40.1	56.3	46.4	10.2	6.3
7	0.55431	35.9	29.8	10.2	46.1	40.0	56.0	46.0	9.9	6.0
8	0.75243	36.4	30.7	10.3	46.7	41.0	56.0	46.0	9.3	5.0
9	0.89042	36.7	30.8	10.3	47.0	41.1	56.0	46.0	9.0	4.9
10	2.6704	35.6	29.9	10.4	46.0	40.3	56.0	46.0	10.0	5.7
11	2.89392	35.4	30.1	10.4	45.8	40.5	56.0	46.0	10.2	5.5
12	5.2156	33.1	27.4	10.4	43.5	37.8	60.0	50.0	16.5	12.2
13	8.957	32.0	24.1	10.7	42.7	34.8	60.0	50.0	17.3	15.2

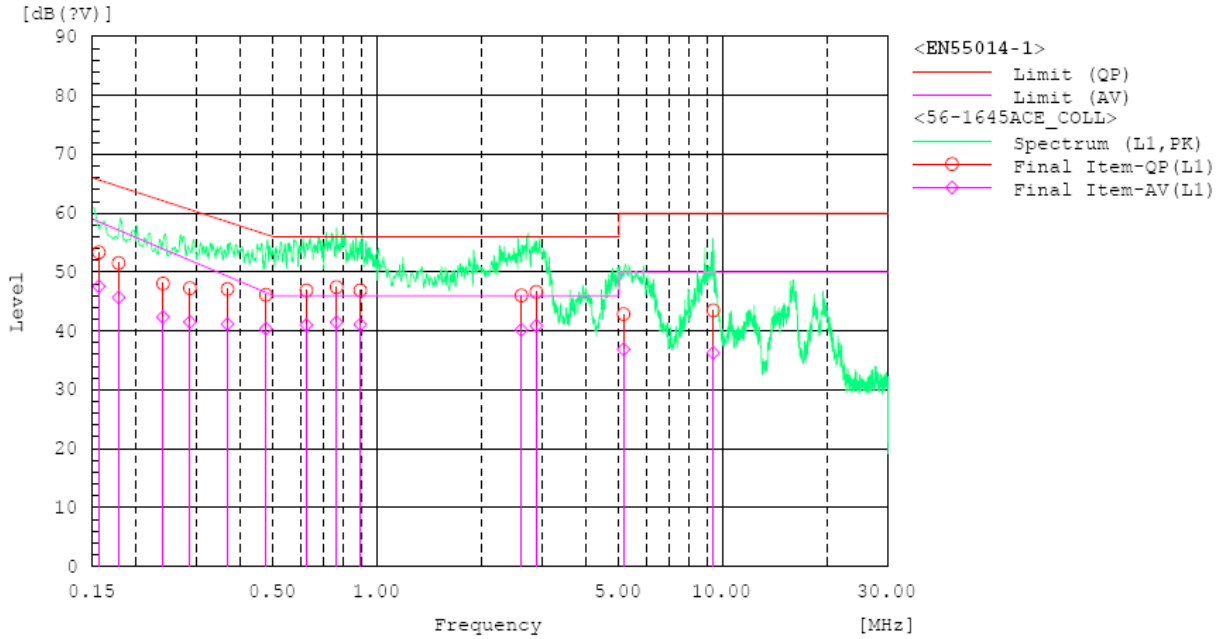
Operation mode B



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15639	42.4	36.7	10.2	52.6	46.9	65.7	58.5	13.1	11.6
2	0.20602	38.2	32.4	10.2	48.4	42.6	63.4	55.6	15.0	13.0
3	0.26977	36.9	31.2	10.2	47.1	41.4	61.1	52.7	14.0	11.3
4	0.32945	36.5	30.8	10.2	46.7	41.0	59.5	50.5	12.8	9.5
5	0.39953	36.1	30.3	10.2	46.3	40.5	57.9	48.4	11.6	7.9
6	0.50409	35.8	30.1	10.2	46.0	40.3	56.0	46.0	10.0	5.7
7	0.64339	36.1	30.2	10.3	46.4	40.5	56.0	46.0	9.6	5.5
8	0.75148	37.8	32.1	10.3	48.1	42.4	56.0	46.0	7.9	3.6
9	2.73952	35.9	29.9	10.4	46.3	40.3	56.0	46.0	9.7	5.7
10	4.81248	31.1	25.0	10.4	41.5	35.4	56.0	46.0	14.5	10.6
11	9.1534	32.5	23.4	10.8	43.3	34.2	60.0	50.0	16.7	15.8
12	16.0074	34.0	30.6	11.1	45.1	41.7	60.0	50.0	14.9	8.3

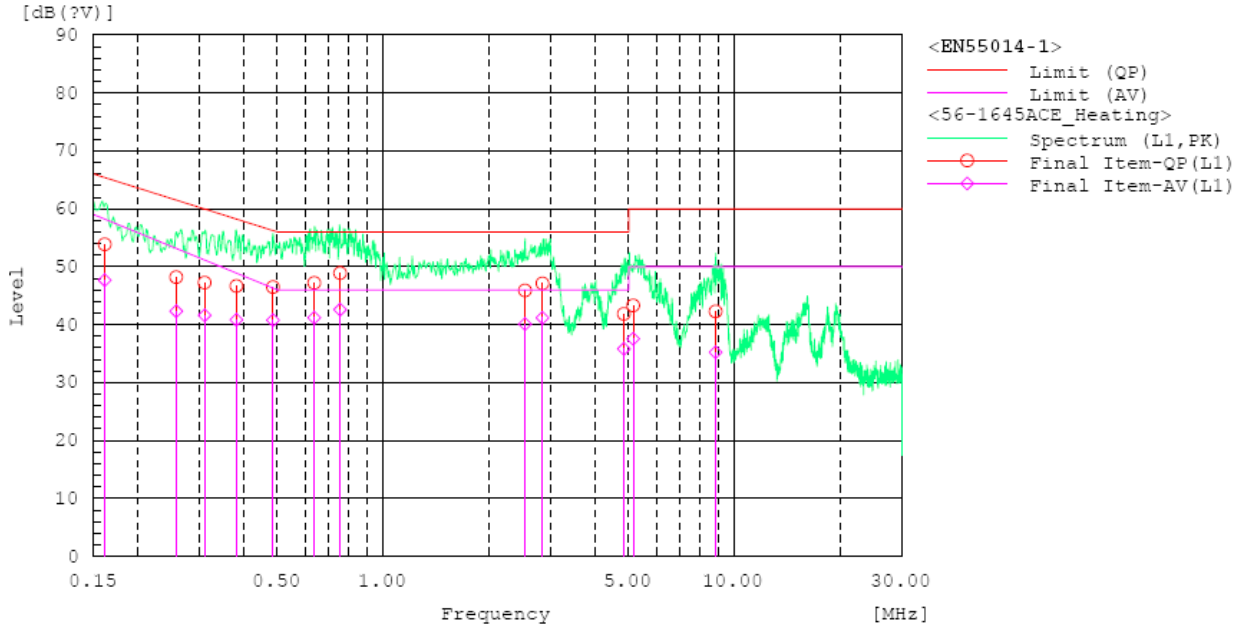
Figure 16: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Line; Operation mode A



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15629	43.2	37.4	10.2	53.4	47.6	65.7	58.6	12.3	11.0
2	0.17844	41.3	35.5	10.2	51.5	45.7	64.6	57.1	13.1	11.4
3	0.23962	37.8	32.2	10.2	48.0	42.4	62.1	53.9	14.1	11.5
4	0.28688	37.1	31.3	10.2	47.3	41.5	60.6	52.0	13.3	10.5
5	0.36855	36.9	31.0	10.2	47.1	41.2	58.5	49.3	11.4	8.1
6	0.47582	35.9	30.2	10.2	46.1	40.4	56.4	46.5	10.3	6.1
7	0.62362	36.6	30.7	10.3	46.9	41.0	56.0	46.0	9.1	5.0
8	0.76209	37.2	31.2	10.3	47.5	41.5	56.0	46.0	8.5	4.5
9	0.89244	36.6	30.8	10.3	46.9	41.1	56.0	46.0	9.1	4.9
10	2.61016	35.7	29.9	10.3	46.0	40.2	56.0	46.0	10.0	5.8
11	2.884	36.3	30.6	10.3	46.6	40.9	56.0	46.0	9.4	5.1
12	5.158	32.5	26.5	10.4	42.9	36.9	60.0	50.0	17.1	13.1
13	9.3692	32.8	25.6	10.7	43.5	36.3	60.0	50.0	16.5	13.7

Operation mode B



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.16115	43.7	37.5	10.2	53.9	47.7	65.4	58.2	11.5	10.5
2	0.25754	38.0	32.1	10.2	48.2	42.3	61.5	53.2	13.3	10.9
3	0.31023	37.1	31.4	10.2	47.3	41.6	60.0	51.2	12.7	9.6
4	0.38198	36.5	30.7	10.2	46.7	40.9	58.2	48.9	11.5	8.0
5	0.48558	36.3	30.5	10.2	46.5	40.7	56.2	46.3	9.7	5.6
6	0.63623	36.9	30.9	10.3	47.2	41.2	56.0	46.0	8.8	4.8
7	0.75435	38.6	32.3	10.3	48.9	42.6	56.0	46.0	7.1	3.4
8	2.53368	35.6	29.8	10.3	45.9	40.1	56.0	46.0	10.1	5.9
9	2.84048	36.8	30.9	10.3	47.1	41.2	56.0	46.0	8.9	4.8
10	4.84248	31.5	25.4	10.4	41.9	35.8	56.0	46.0	14.1	10.2
11	5.1496	32.9	27.2	10.4	43.3	37.6	60.0	50.0	16.7	12.4
12	8.8396	31.7	24.6	10.6	42.3	35.2	60.0	50.0	17.7	14.8

Figure 17: Spectral Diagram, Continuous Disturbance Voltage – Interconnection cable; Operation mode A, Interconnection cable 1 (Outdoor side)

--- Probe Phase ---

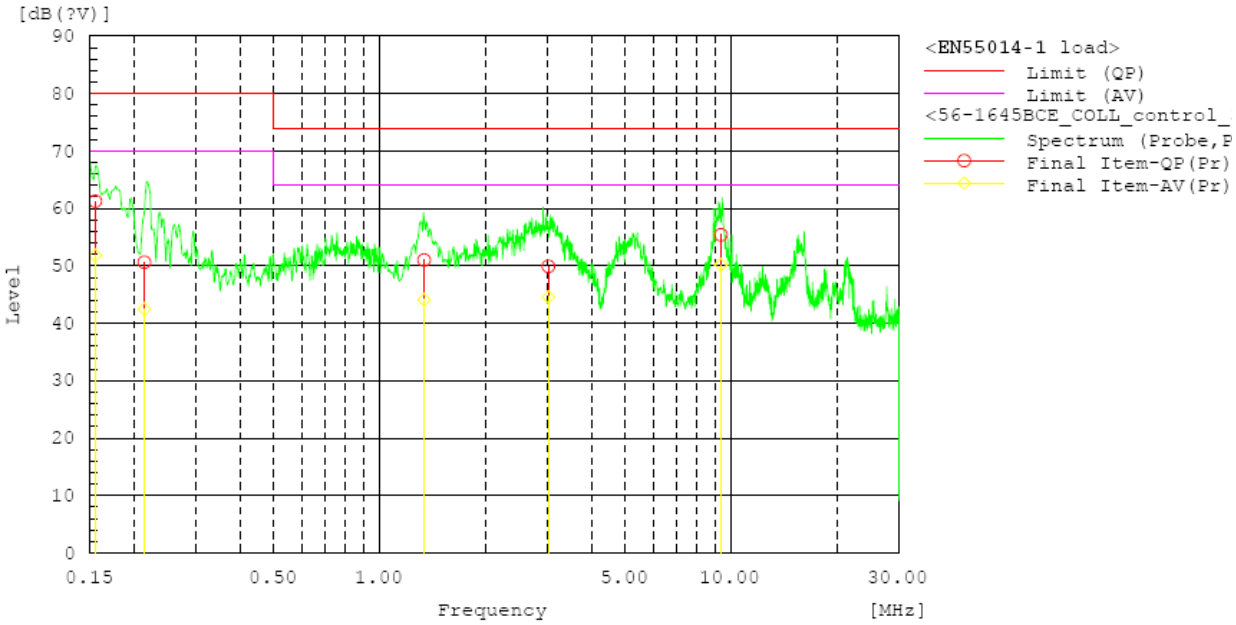
No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	1.32512	21.0	14.0	30.4	51.4	44.4	74.0	64.0	22.6	19.6
2	9.351	22.8	17.2	30.6	53.4	47.8	74.0	64.0	20.6	16.2
3	15.762	20.7	14.5	30.6	51.3	45.1	74.0	64.0	22.7	18.9

Operation mode A, Interconnection cable 2 (Outdoor side)

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	1.31992	21.0	14.0	30.4	51.4	44.4	74.0	64.0	22.6	19.6
2	3.04088	21.0	15.6	30.4	51.4	46.0	74.0	64.0	22.6	18.0
3	9.4578	22.2	15.5	30.6	52.8	46.1	74.0	64.0	21.2	17.9
4	15.8148	19.5	13.3	30.6	50.1	43.9	74.0	64.0	23.9	20.1

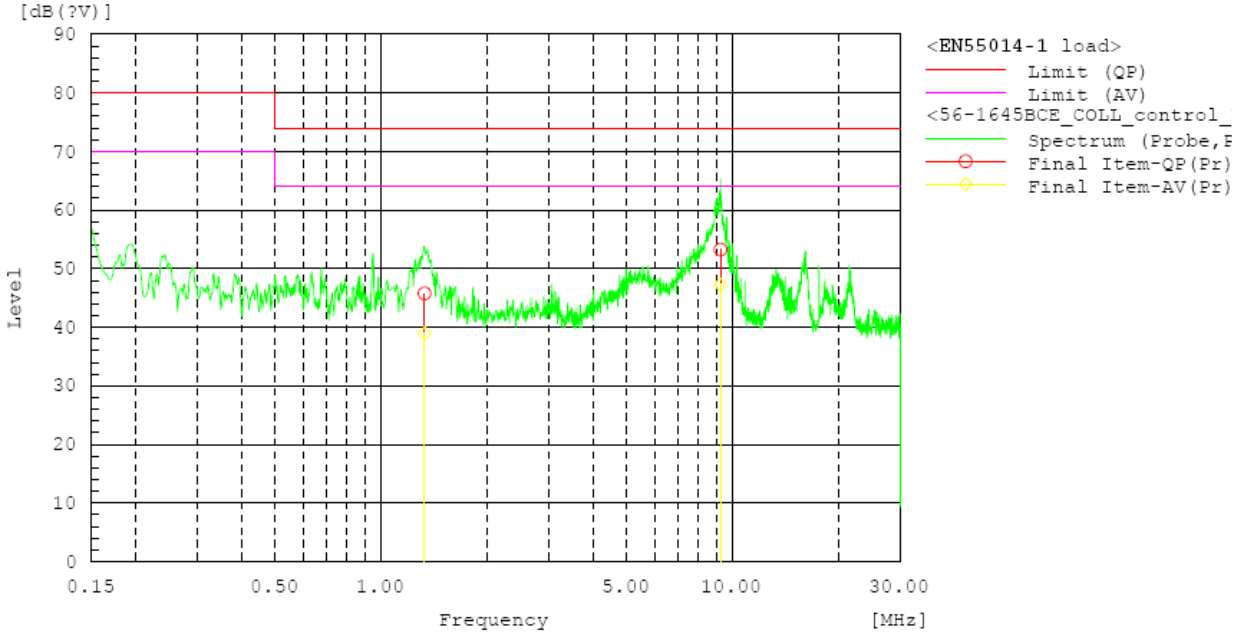
Operation mode A, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15505	30.8	21.3	30.5	61.3	51.8	80.0	70.0	18.7	18.2
2	0.21375	20.1	12.0	30.5	50.6	42.5	80.0	70.0	29.4	27.5
3	1.33672	20.6	13.7	30.4	51.0	44.1	74.0	64.0	23.0	19.9
4	3.01864	19.5	14.2	30.4	49.9	44.6	74.0	64.0	24.1	19.4
5	9.34594	24.8	19.6	30.6	55.4	50.2	74.0	64.0	18.6	13.8

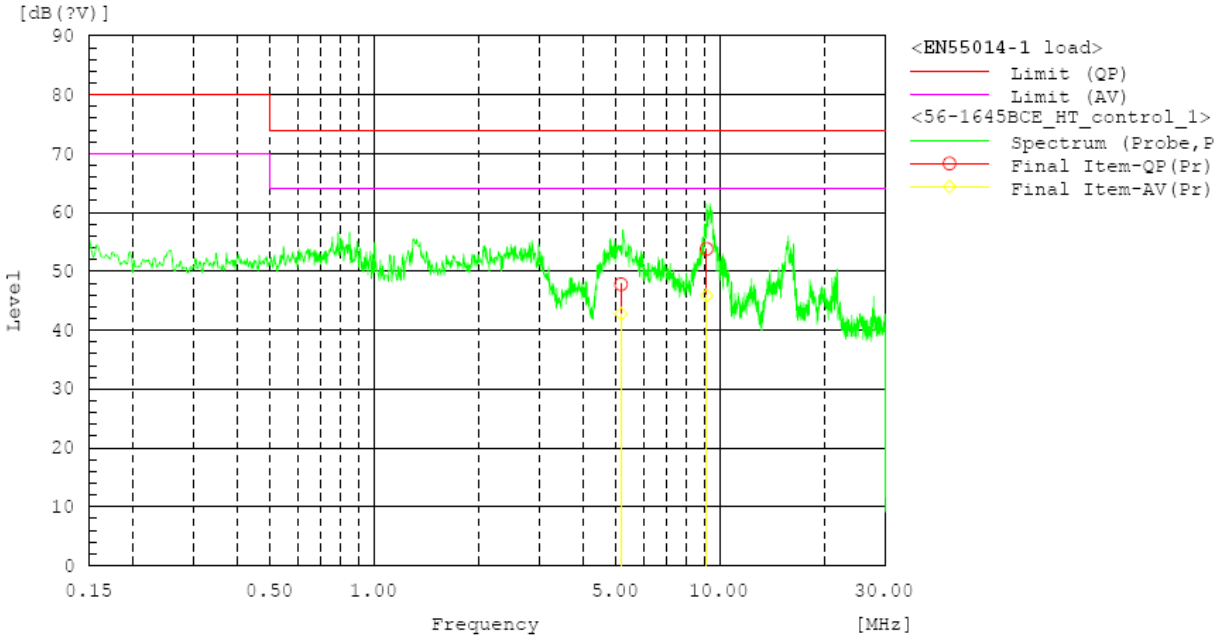
Operation mode A, Interconnection cable E (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	1.32864	15.4	8.6	30.4	45.8	39.0	74.0	64.0	28.2	25.0
2	9.2386	22.7	16.7	30.6	53.3	47.3	74.0	64.0	20.7	16.7

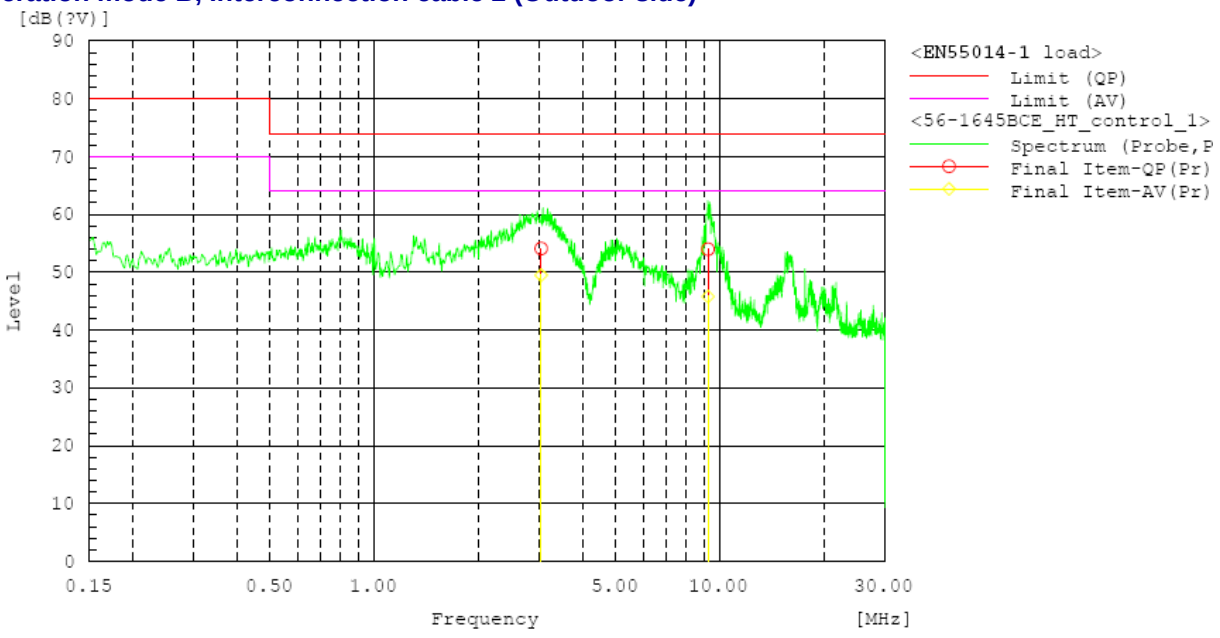
Operation mode B, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	9.1272	23.2	15.3	30.6	53.8	45.9	74.0	64.0	20.2	18.1
2	5.164	17.4	12.4	30.4	47.8	42.8	74.0	64.0	26.2	21.2

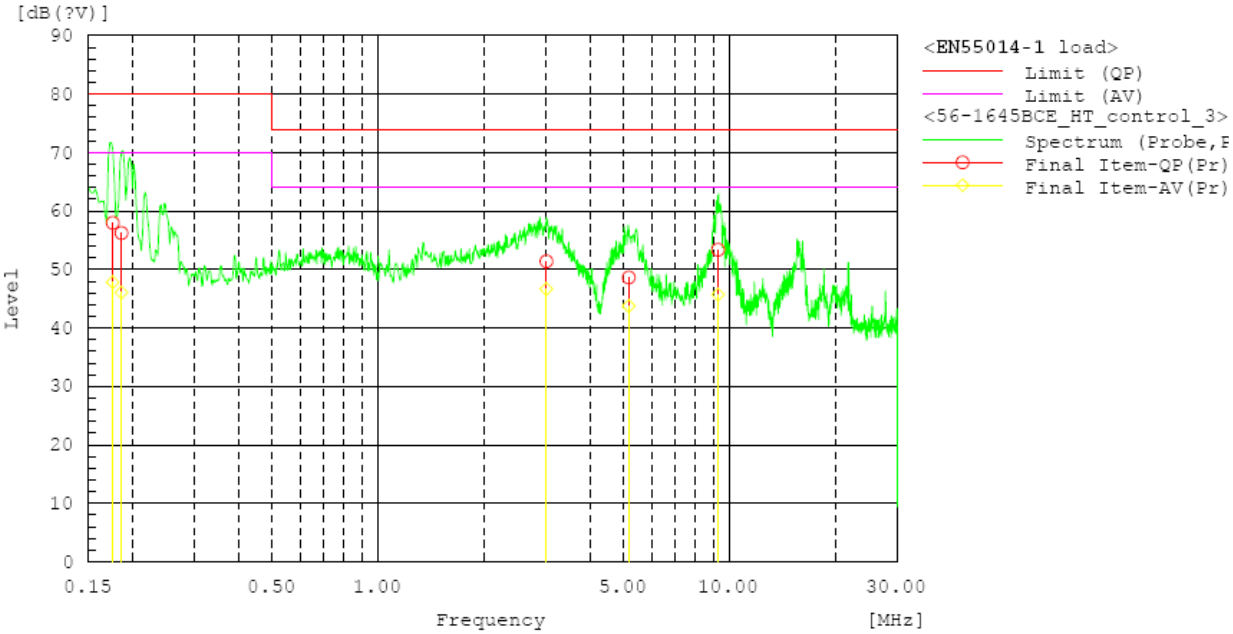
Operation mode B, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	9.234	23.4	15.2	30.6	54.0	45.8	74.0	64.0	20.0	18.2
2	3.03856	23.7	19.1	30.4	54.1	49.5	74.0	64.0	19.9	14.5

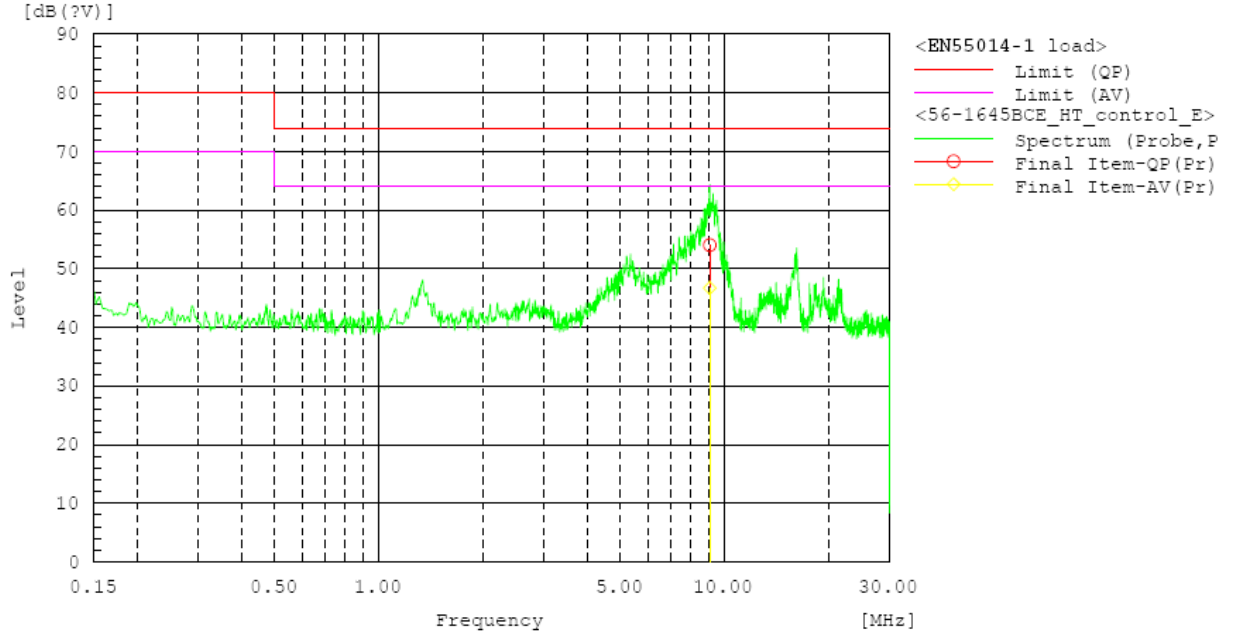
Operation mode B, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.17562	27.5	17.3	30.5	58.0	47.8	80.0	70.0	22.0	22.2
2	0.18594	25.7	15.6	30.5	56.2	46.1	80.0	70.0	23.8	23.9
3	3.01104	21.0	16.2	30.4	51.4	46.6	74.0	64.0	22.6	17.4
4	9.2642	22.8	15.1	30.6	53.4	45.7	74.0	64.0	20.6	18.3
5	5.1638	18.2	13.4	30.4	48.6	43.8	74.0	64.0	25.4	20.2

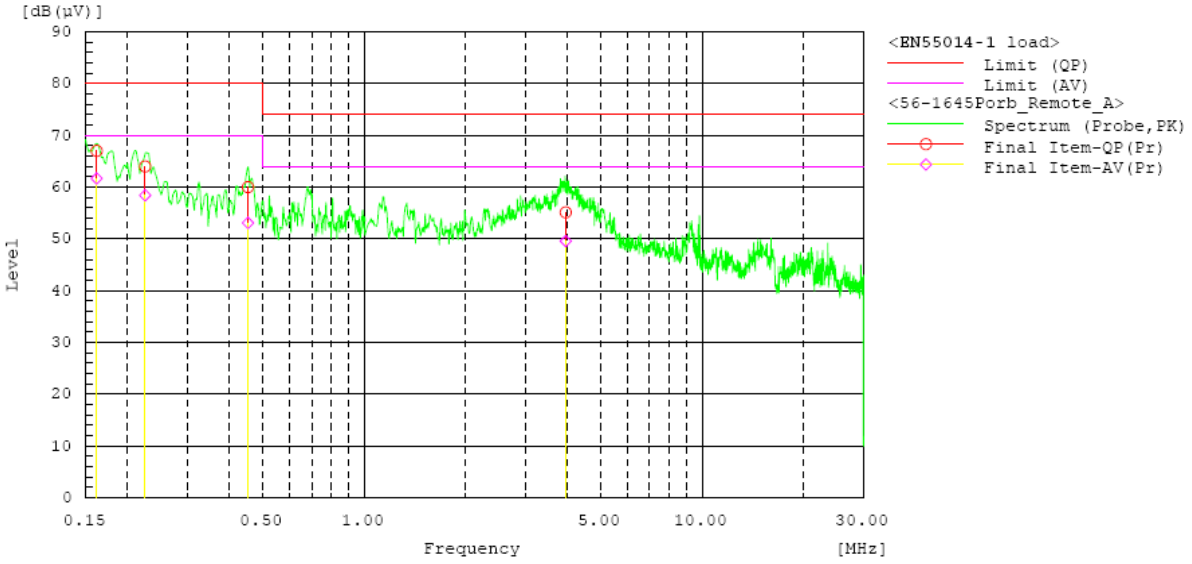
Operation mode B, Interconnection cable E (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	9.0646	23.4	16.1	30.6	54.0	46.7	74.0	64.0	20.0	17.3

Figure 18: Spectral Diagram, Continuous Disturbance Voltage – Wired remote control cable; Operation mode A,
Wired remote control cable A (Indoor side)



--- Probe Phase ---

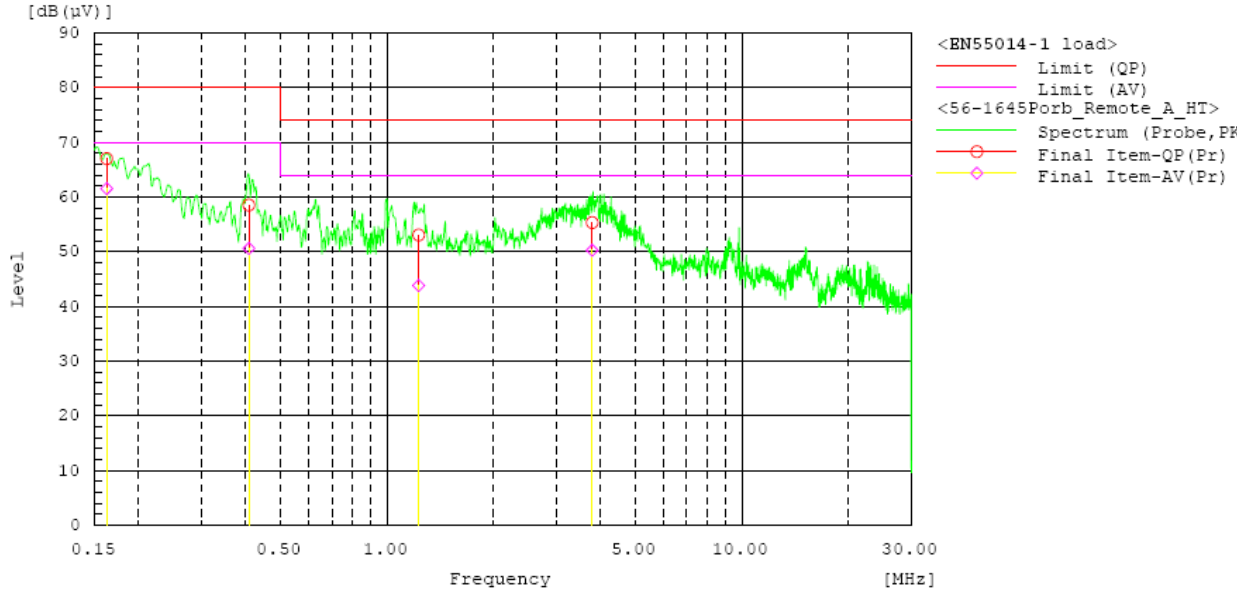
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16195	36.5	31.1	30.5	67.0	61.6	80.0	70.0	13.0	8.4
2	0.22517	33.5	27.9	30.5	64.0	58.4	80.0	70.0	16.0	11.6
3	0.45352	29.6	22.7	30.4	60.0	53.1	80.0	70.0	20.0	16.9
4	3.95232	24.7	19.2	30.4	55.1	49.6	74.0	64.0	18.9	14.4

Wired remote control cable B (Indoor side)

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15109	32.4	23.9	30.5	62.9	54.4	80.0	70.0	17.1	15.6
2	0.39499	27.5	17.8	30.4	57.9	48.2	80.0	70.0	22.1	21.8
3	0.61313	25.2	17.0	30.4	55.6	47.4	74.0	64.0	18.4	16.6
4	1.24368	22.9	14.2	30.4	53.3	44.6	74.0	64.0	20.7	19.4
5	3.99928	23.4	17.7	30.4	53.8	48.1	74.0	64.0	20.2	15.9

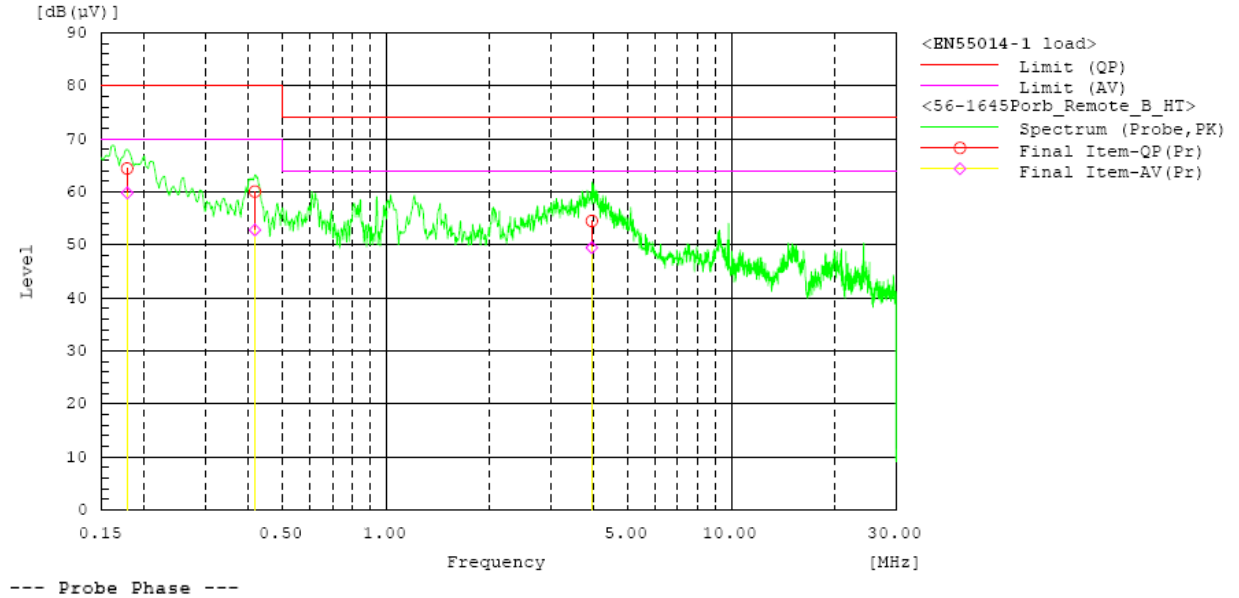
Operation mode B, Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.40859	28.1	20.2	30.4	58.5	50.6	80.0	70.0	21.5	19.4
2	1.22952	22.6	13.4	30.4	53.0	43.8	74.0	64.0	21.0	20.2
3	3.79184	24.9	19.8	30.4	55.3	50.2	74.0	64.0	18.7	13.8
4	0.16248	36.5	31.0	30.5	67.0	61.5	80.0	70.0	13.0	8.5

Wired remote control cable B (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.17808	33.9	29.3	30.5	64.4	59.8	80.0	70.0	15.6	10.2
2	0.41744	29.7	22.4	30.4	60.1	52.8	80.0	70.0	19.9	17.2
3	3.9512	24.1	19.1	30.4	54.5	49.5	74.0	64.0	19.5	14.5

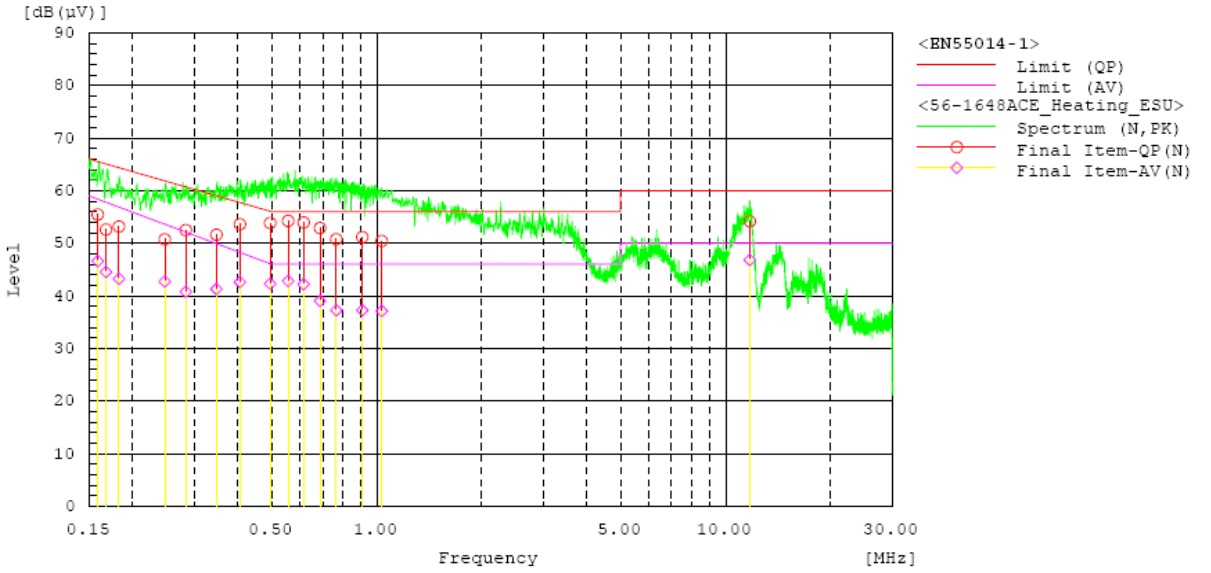
SET UP 7: RAV-RM1401UTP-E/RAV-SM-1404ATP-E

Figure 19: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Neutral; Operation mode A

--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15508	45.0	36.3	10.2	55.2	46.5	65.7	58.6	10.5	12.1
2	0.16203	45.6	36.1	10.2	55.8	46.3	65.4	58.2	9.6	11.9
3	0.18917	42.4	31.8	10.2	52.6	42.0	64.1	56.5	11.5	14.5
4	0.23783	42.0	29.6	10.2	52.2	39.8	62.2	54.0	10.0	14.2
5	0.29318	41.0	29.3	10.2	51.2	39.5	60.4	51.8	9.2	12.3
6	0.33478	42.6	29.0	10.2	52.8	39.2	59.3	50.3	6.5	11.1
7	0.37443	42.6	29.6	10.2	52.8	39.8	58.4	49.1	5.6	9.3
8	0.41825	41.6	29.2	10.2	51.8	39.4	57.5	47.9	5.7	8.5
9	0.46216	43.7	30.5	10.2	53.9	40.7	56.7	46.8	2.8	6.1
10	0.49786	44.0	30.1	10.2	54.2	40.3	56.0	46.0	1.8	5.7
11	0.54214	43.1	29.9	10.2	53.3	40.1	56.0	46.0	2.7	5.9
12	0.60083	43.5	29.6	10.2	53.7	39.8	56.0	46.0	2.3	6.2
13	0.63825	42.7	29.1	10.2	52.9	39.3	56.0	46.0	3.1	6.7
14	0.69322	42.4	28.3	10.2	52.6	38.5	56.0	46.0	3.4	7.5
15	0.79639	41.0	26.0	10.2	51.2	36.2	56.0	46.0	4.8	9.8
16	0.98788	39.8	25.6	10.2	50.0	35.8	56.0	46.0	6.0	10.2
17	11.69599	42.6	35.8	10.7	53.3	46.5	60.0	50.0	6.7	3.5
18	3.18987	36.8	27.3	10.3	47.1	37.6	56.0	46.0	8.9	8.4

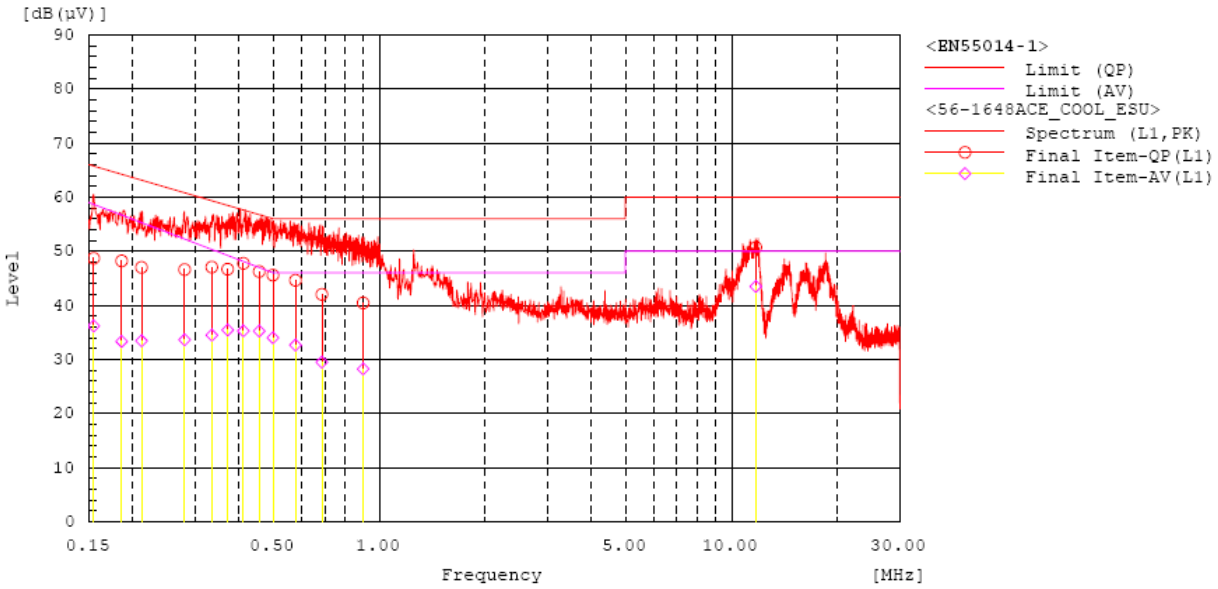
Operation mode B



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15863	45.2	36.4	10.2	55.4	46.6	65.5	58.4	10.1	11.8
2	0.16759	42.4	34.4	10.2	52.6	44.6	65.1	57.8	12.5	13.2
3	0.18251	43.0	33.0	10.2	53.2	43.2	64.4	56.9	11.2	13.7
4	0.24684	40.5	32.5	10.2	50.7	42.7	61.9	53.6	11.2	10.9
5	0.28374	42.3	30.6	10.2	52.5	40.8	60.7	52.1	8.2	11.3
6	0.34742	41.4	31.1	10.2	51.6	41.3	59.0	49.9	7.4	8.6
7	0.40549	43.4	32.4	10.2	53.6	42.6	57.7	48.3	4.1	5.7
8	0.5577	44.1	32.6	10.2	54.3	42.8	56.0	46.0	1.7	3.2
9	0.61728	43.7	32.0	10.2	53.9	42.2	56.0	46.0	2.1	3.8
10	0.49494	43.7	32.1	10.2	53.9	42.3	56.1	46.1	2.2	3.8
11	0.68774	42.7	28.8	10.2	52.9	39.0	56.0	46.0	3.1	7.0
12	0.76592	40.6	27.0	10.2	50.8	37.2	56.0	46.0	5.2	8.8
13	0.90934	41.0	27.1	10.2	51.2	37.3	56.0	46.0	4.8	8.7
14	1.03365	40.2	26.9	10.2	50.4	37.1	56.0	46.0	5.6	8.9
15	11.73238	43.5	36.1	10.7	54.2	46.8	60.0	50.0	5.8	3.2

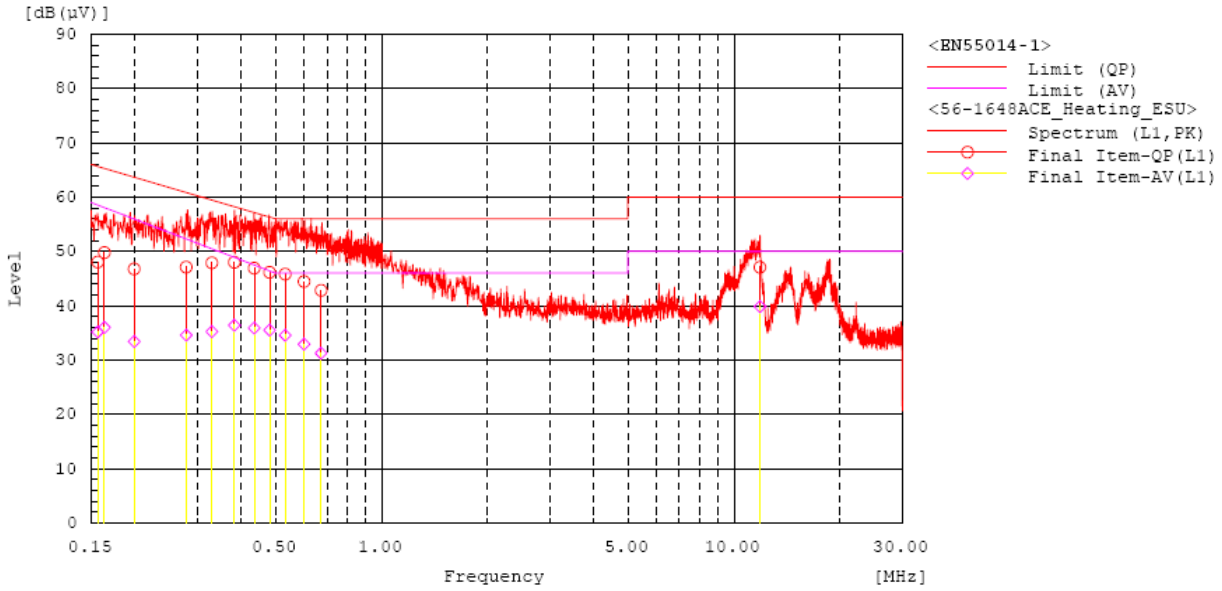
Figure 20: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Line; Operation mode A



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15476	38.5	26.0	10.2	48.7	36.2	65.7	58.7	17.0	22.5
2	0.18571	38.0	23.1	10.2	48.2	33.3	64.2	56.7	16.0	23.4
3	0.21151	36.8	23.2	10.2	47.0	33.4	63.1	55.3	16.1	21.9
4	0.28035	36.4	23.4	10.2	46.6	33.6	60.8	52.2	14.2	18.6
5	0.33471	36.9	24.3	10.2	47.1	34.5	59.3	50.3	12.2	15.8
6	0.3713	36.5	25.2	10.2	46.7	35.4	58.5	49.2	11.8	13.8
7	0.41171	37.6	25.1	10.2	47.8	35.3	57.6	48.1	9.8	12.8
8	0.45639	36.0	25.0	10.2	46.2	35.2	56.8	47.0	10.6	11.8
9	0.49905	35.4	23.8	10.2	45.6	34.0	56.0	46.0	10.4	12.0
10	0.57828	34.4	22.4	10.2	44.6	32.6	56.0	46.0	11.4	13.4
11	0.68716	31.8	19.3	10.2	42.0	29.5	56.0	46.0	14.0	16.5
12	0.90007	30.2	18.0	10.2	40.4	28.2	56.0	46.0	15.6	17.8
13	11.71635	40.2	33.0	10.5	50.7	43.5	60.0	50.0	9.3	6.5

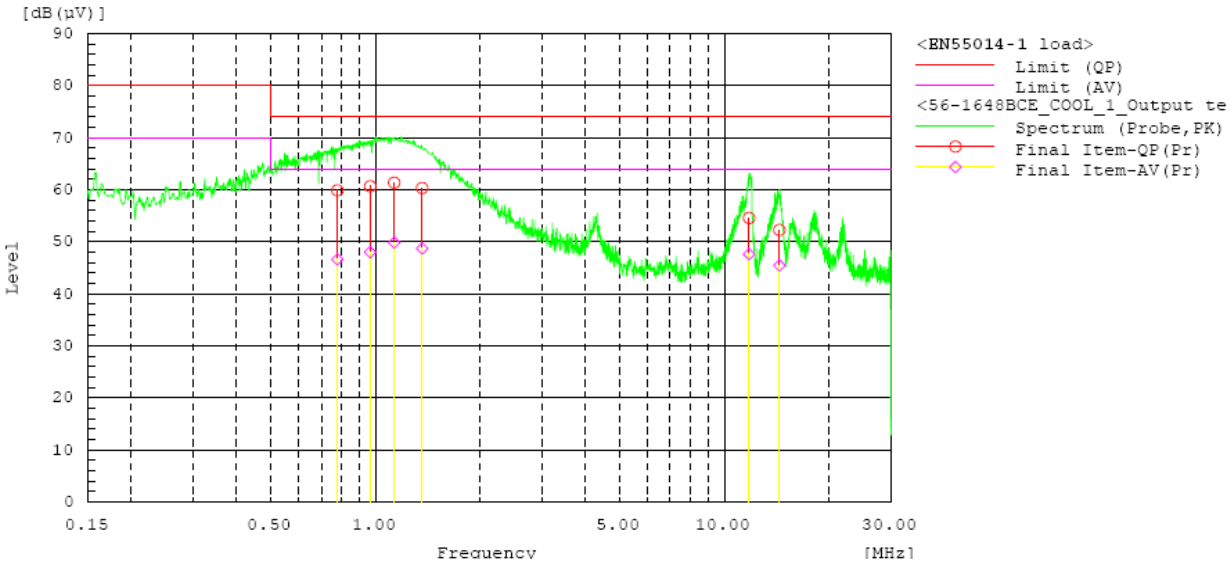
Operation mode B



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16354	39.6	25.8	10.2	49.8	36.0	65.3	58.1	15.5	22.1
2	0.15655	37.8	25.0	10.2	48.0	35.2	65.6	58.5	17.6	23.3
3	0.19861	36.6	23.2	10.2	46.8	33.4	63.7	56.0	16.9	22.6
4	0.27913	36.9	24.4	10.2	47.1	34.6	60.8	52.3	13.7	17.7
5	0.33007	37.7	25.0	10.2	47.9	35.2	59.4	50.5	11.5	15.3
6	0.38205	37.8	26.2	10.2	48.0	36.4	58.2	48.9	10.2	12.5
7	0.43491	36.7	25.7	10.2	46.9	35.9	57.2	47.5	10.3	11.6
8	0.48112	35.9	25.3	10.2	46.1	35.5	56.3	46.4	10.2	10.9
9	0.5327	35.6	24.4	10.2	45.8	34.6	56.0	46.0	10.2	11.4
10	0.60292	34.3	22.7	10.2	44.5	32.9	56.0	46.0	11.5	13.1
11	0.67347	32.6	21.0	10.2	42.8	31.2	56.0	46.0	13.2	14.8
12	11.84375	36.6	29.3	10.5	47.1	39.8	60.0	50.0	12.9	10.2

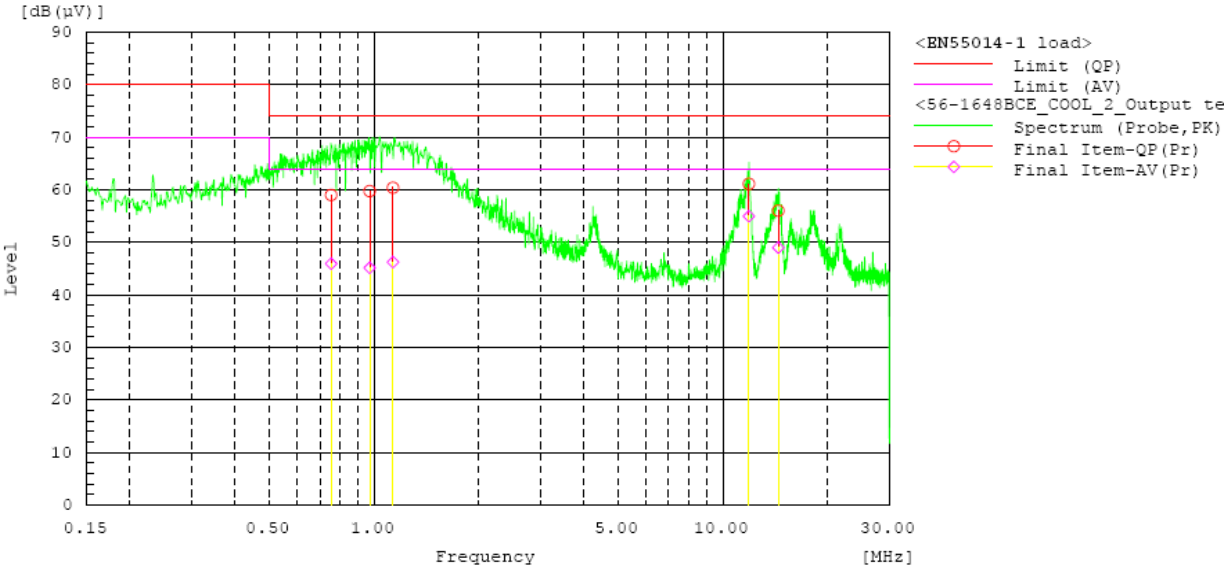
Figure 21: Spectral Diagram, Continuous Disturbance Voltage – Interconnection cable; Operation mode A, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.77877	29.5	16.2	30.4	59.9	46.6	74.0	64.0	14.1	17.4
2	0.96663	30.2	17.6	30.4	60.6	48.0	74.0	64.0	13.4	16.0
3	1.13276	30.9	19.4	30.4	61.3	49.8	74.0	64.0	12.7	14.2
4	1.36199	29.9	18.3	30.4	60.3	48.7	74.0	64.0	13.7	15.3
5	11.77613	23.9	17.0	30.6	54.5	47.6	74.0	64.0	19.5	16.4
6	14.38509	21.7	14.8	30.6	52.3	45.4	74.0	64.0	21.7	18.6

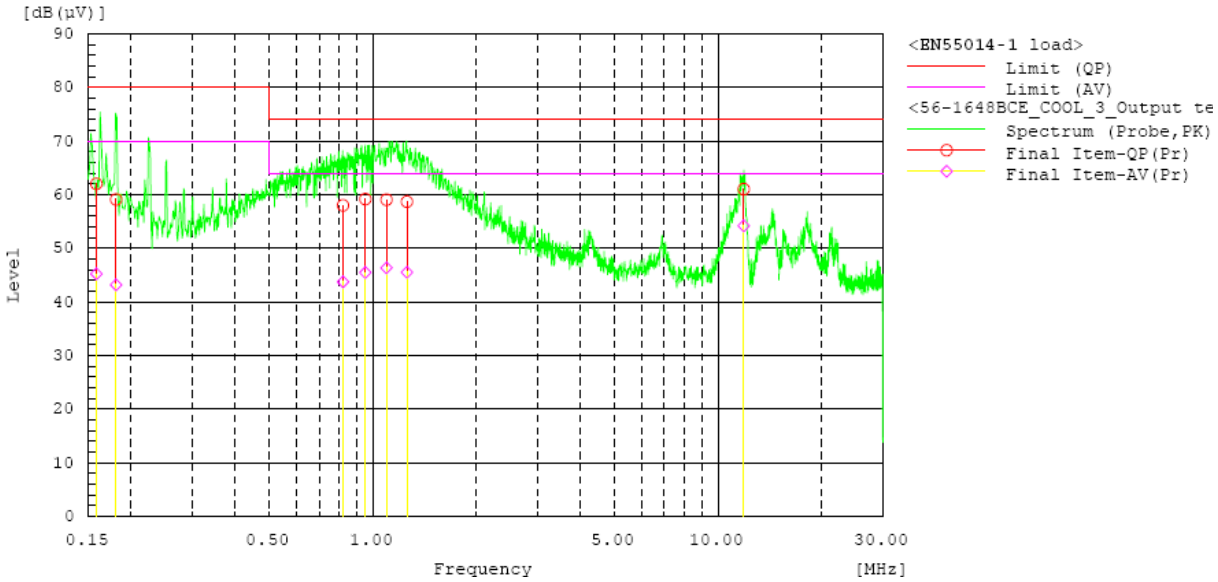
Operation mode A, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.75434	28.6	15.5	30.4	59.0	45.9	74.0	64.0	15.0	18.1
2	0.9728	29.3	14.7	30.4	59.7	45.1	74.0	64.0	14.3	18.9
3	1.13487	30.0	15.8	30.4	60.4	46.2	74.0	64.0	13.6	17.8
4	11.8915	30.5	24.4	30.6	61.1	55.0	74.0	64.0	12.9	9.0
5	14.4391	25.4	18.4	30.6	56.0	49.0	74.0	64.0	18.0	15.0

Operation mode A, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15855	31.5	14.7	30.5	62.0	45.2	80.0	70.0	18.0	24.8
2	0.18087	28.6	12.7	30.5	59.1	43.2	80.0	70.0	20.9	26.8
3	0.82101	27.6	13.3	30.4	58.0	43.7	74.0	64.0	16.0	20.3
4	0.95268	28.8	15.0	30.4	59.2	45.4	74.0	64.0	14.8	18.6
5	1.09756	28.6	15.9	30.4	59.0	46.3	74.0	64.0	15.0	17.7
6	1.25801	28.3	15.1	30.4	58.7	45.5	74.0	64.0	15.3	18.5
7	11.89118	30.4	23.6	30.6	61.0	54.2	74.0	64.0	13.0	9.8

Operation mode A, Interconnection cable E (Outdoor side)

--- Probe Phase ---

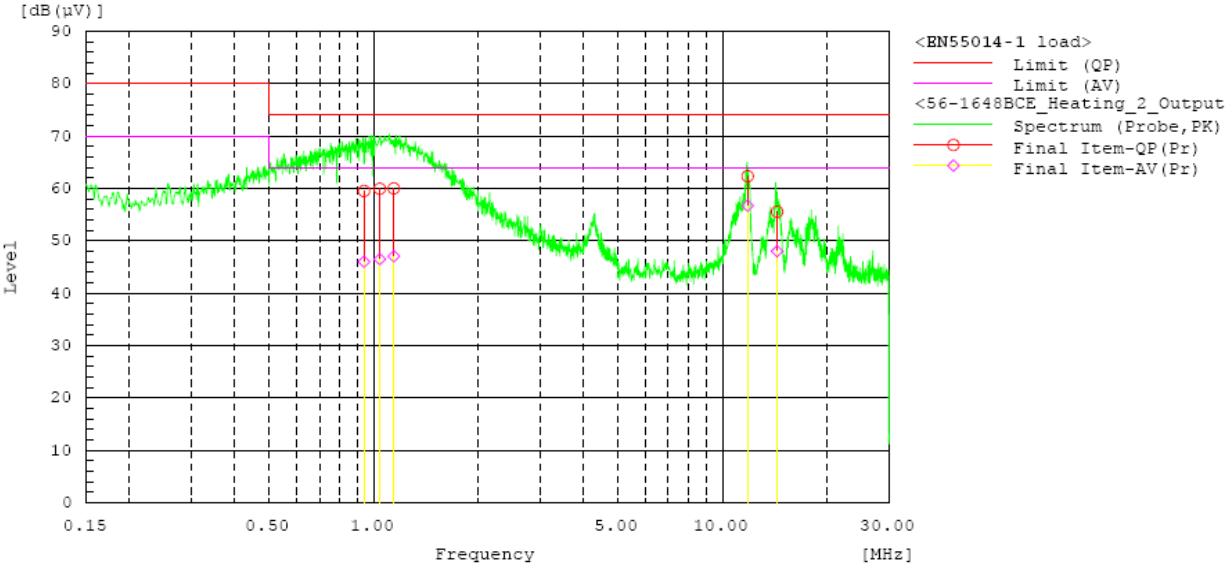
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	9.26859	24.4	17.9	30.6	55.0	48.5	74.0	64.0	19.0	15.5
2	11.03445	24.3	16.7	30.6	54.9	47.3	74.0	64.0	19.1	16.7

Operation mode B, Interconnection cable 1 (Outdoor side)

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.95166	29.3	16.7	30.4	59.7	47.1	74.0	64.0	14.3	16.9
2	1.10205	30.1	17.8	30.4	60.5	48.2	74.0	64.0	13.5	15.8
3	1.18359	29.5	16.8	30.4	59.9	47.2	74.0	64.0	14.1	16.8
4	11.850	31.7	28.9	30.6	62.3	59.5	74.0	64.0	11.7	4.5
5	14.34087	25.4	18.0	30.6	56.0	48.6	74.0	64.0	18.0	15.4

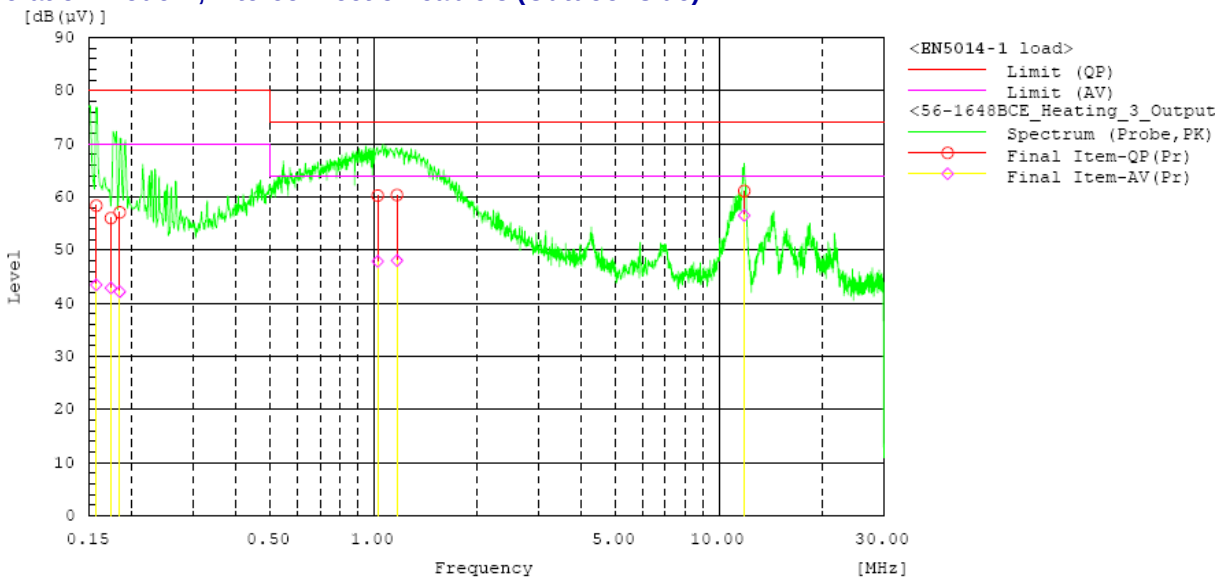
Operation mode B, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.93952	29.1	15.6	30.4	59.5	46.0	74.0	64.0	14.5	18.0
2	1.04269	29.5	16.1	30.4	59.9	46.5	74.0	64.0	14.1	17.5
3	1.1432	29.6	16.6	30.4	60.0	47.0	74.0	64.0	14.0	17.0
4	11.81618	31.7	26.1	30.6	62.3	56.7	74.0	64.0	11.7	7.3
5	14.35673	24.9	17.4	30.6	55.5	48.0	74.0	64.0	18.5	16.0

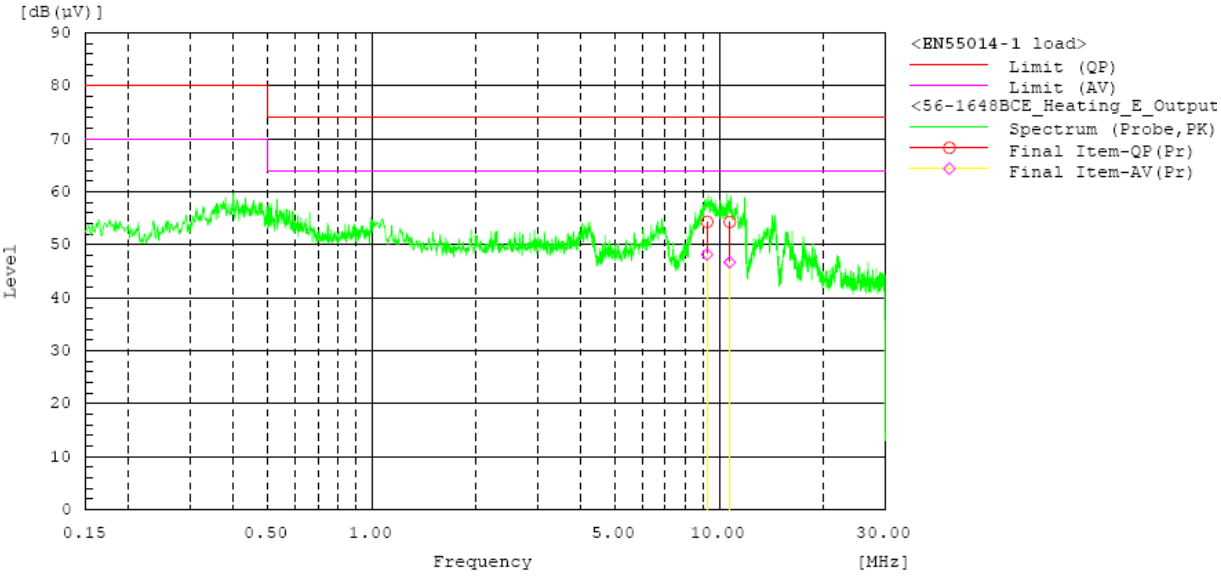
Operation mode B, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	1.0282	29.8	17.4	30.4	60.2	47.8	74.0	64.0	13.8	16.2
2	1.16949	30.0	17.6	30.4	60.4	48.0	74.0	64.0	13.6	16.0
3	11.84983	30.5	25.9	30.6	61.1	56.5	74.0	64.0	12.9	7.5
4	0.15753	27.9	13.0	30.5	58.4	43.5	80.0	70.0	21.6	26.5
5	0.17357	25.5	12.3	30.5	56.0	42.8	80.0	70.0	24.0	27.2
6	0.18425	26.6	11.7	30.5	57.1	42.2	80.0	70.0	22.9	27.8

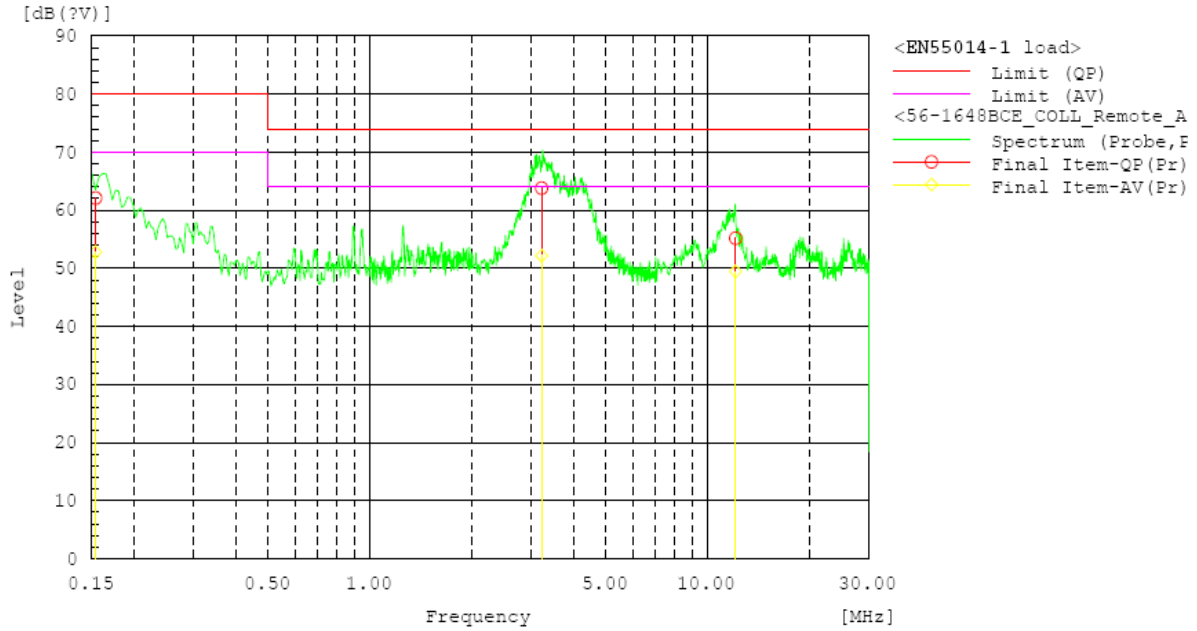
Operation mode B, Interconnection cable E (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	9.23894	23.7	17.6	30.6	54.3	48.2	74.0	64.0	19.7	15.8
2	10.72837	23.7	16.1	30.6	54.3	46.7	74.0	64.0	19.7	17.3

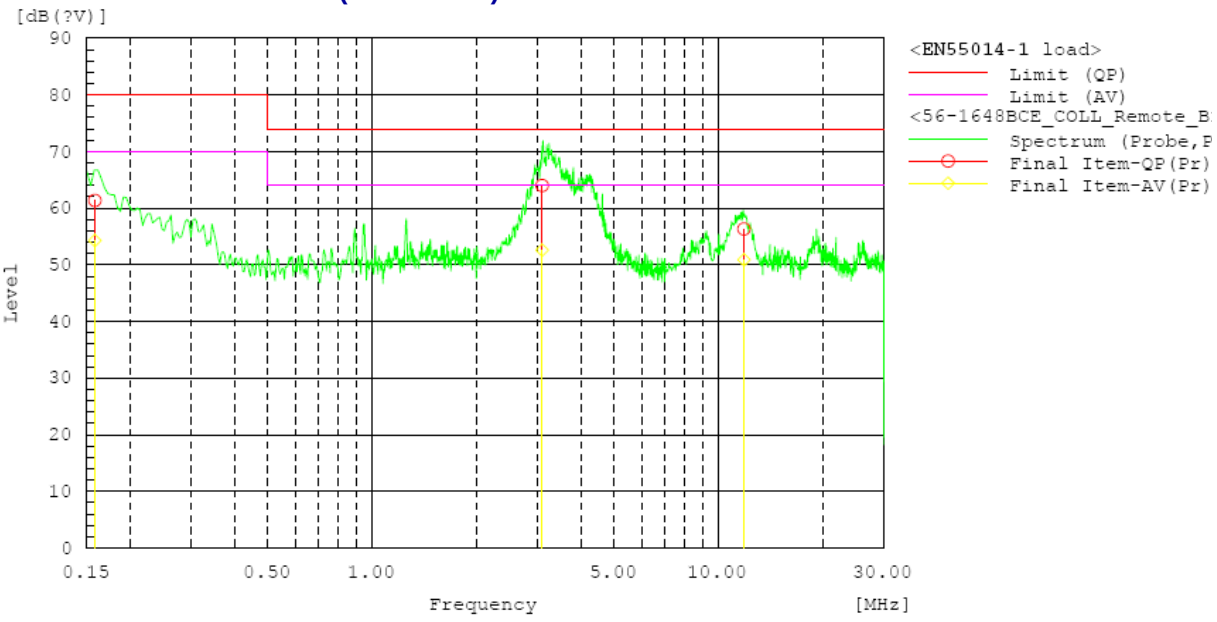
Figure 22: Spectral Diagram, Continuous Disturbance Voltage – Wired remote control cable; Operation mode A,
Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15396	31.6	22.3	30.5	62.1	52.8	80.0	70.0	17.9	17.2
2	3.221	33.4	21.8	30.4	63.8	52.2	74.0	64.0	10.2	11.8
3	12.10048	24.6	18.9	30.6	55.2	49.5	74.0	64.0	18.8	14.5

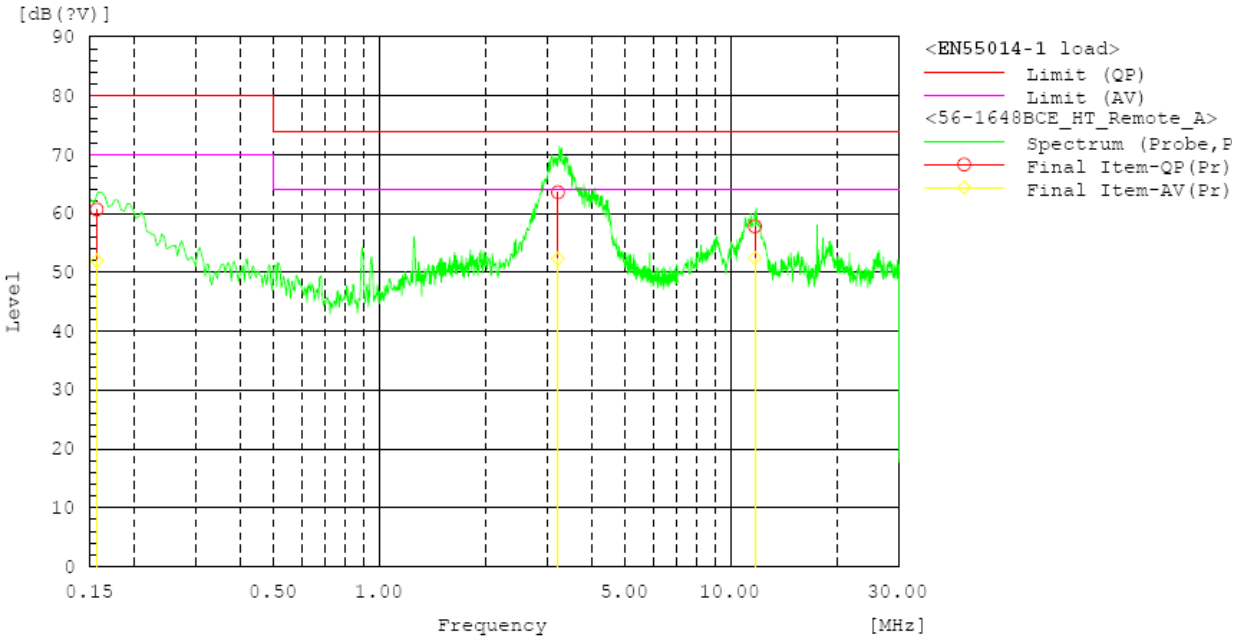
Wired remote control cable B (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15814	30.9	23.8	30.5	61.4	54.3	80.0	70.0	18.6	15.7
2	11.84104	25.7	20.3	30.6	56.3	50.9	74.0	64.0	17.7	13.1
3	3.095	33.6	22.2	30.4	64.0	52.6	74.0	64.0	10.0	11.4

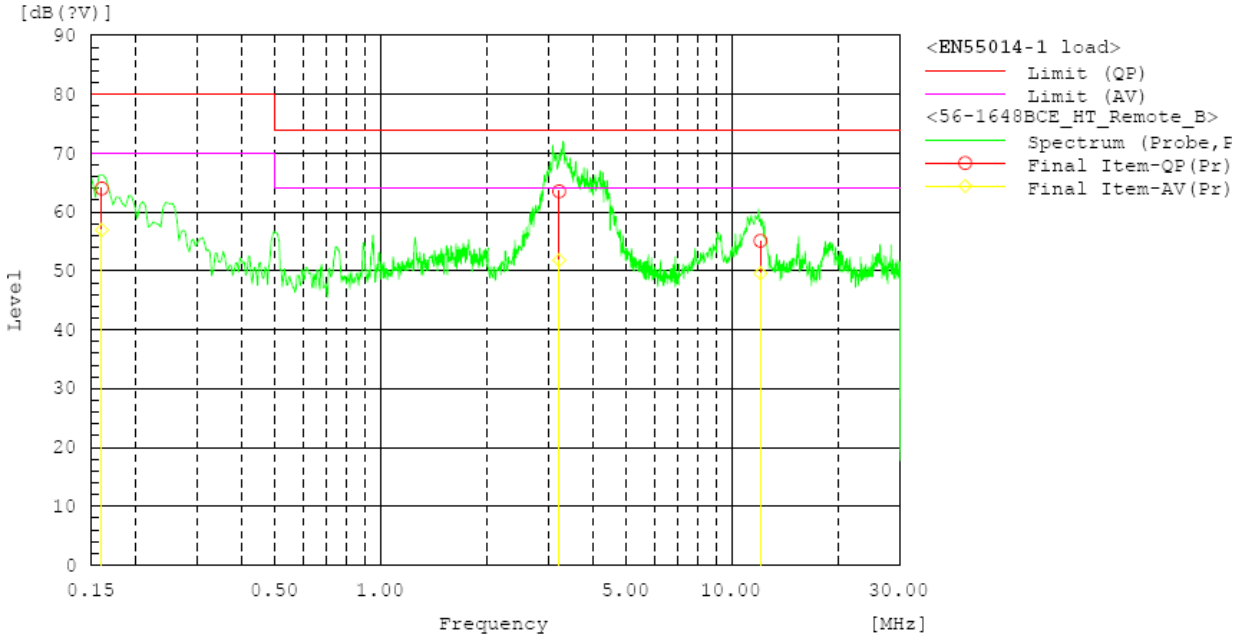
Operation mode B, Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15644	30.2	21.5	30.5	60.7	52.0	80.0	70.0	19.3	18.0
2	3.214	33.2	21.9	30.4	63.6	52.3	74.0	64.0	10.4	11.7
3	11.68096	27.2	21.8	30.6	57.8	52.4	74.0	64.0	16.2	11.6

Wired remote control cable B (Indoor side)

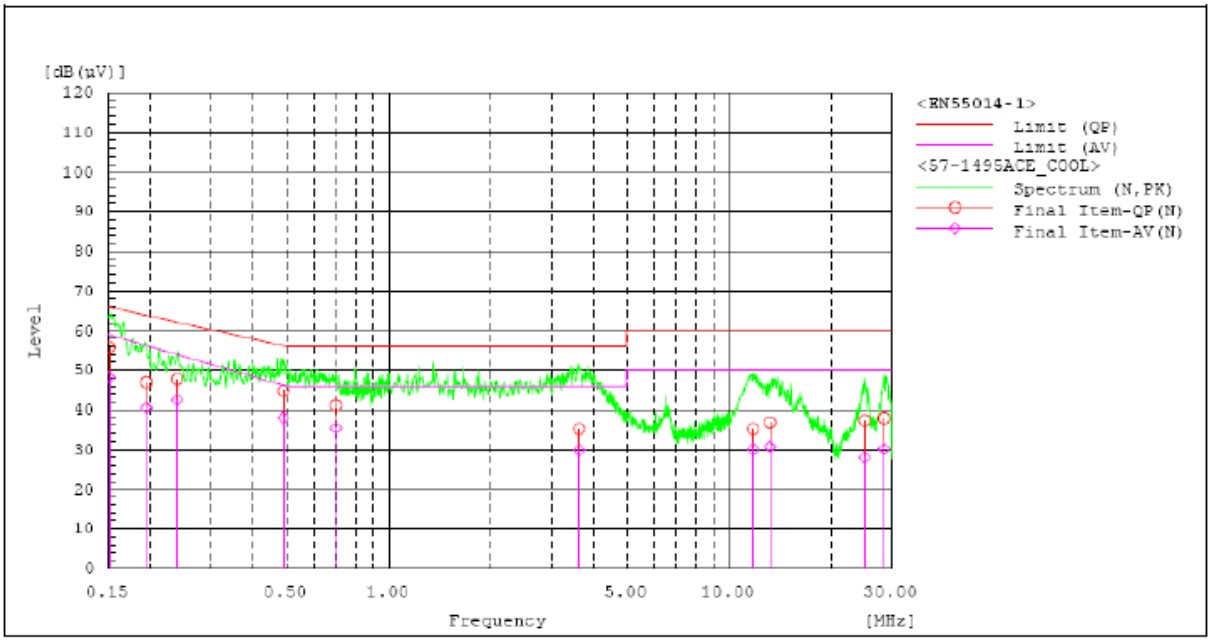


--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.16025	33.5	26.5	30.5	64.0	57.0	80.0	70.0	16.0	13.0
2	12.02228	24.5	19.0	30.6	55.1	49.6	74.0	64.0	18.9	14.4
3	3.213	33.1	21.4	30.4	63.5	51.8	74.0	64.0	10.5	12.2

SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

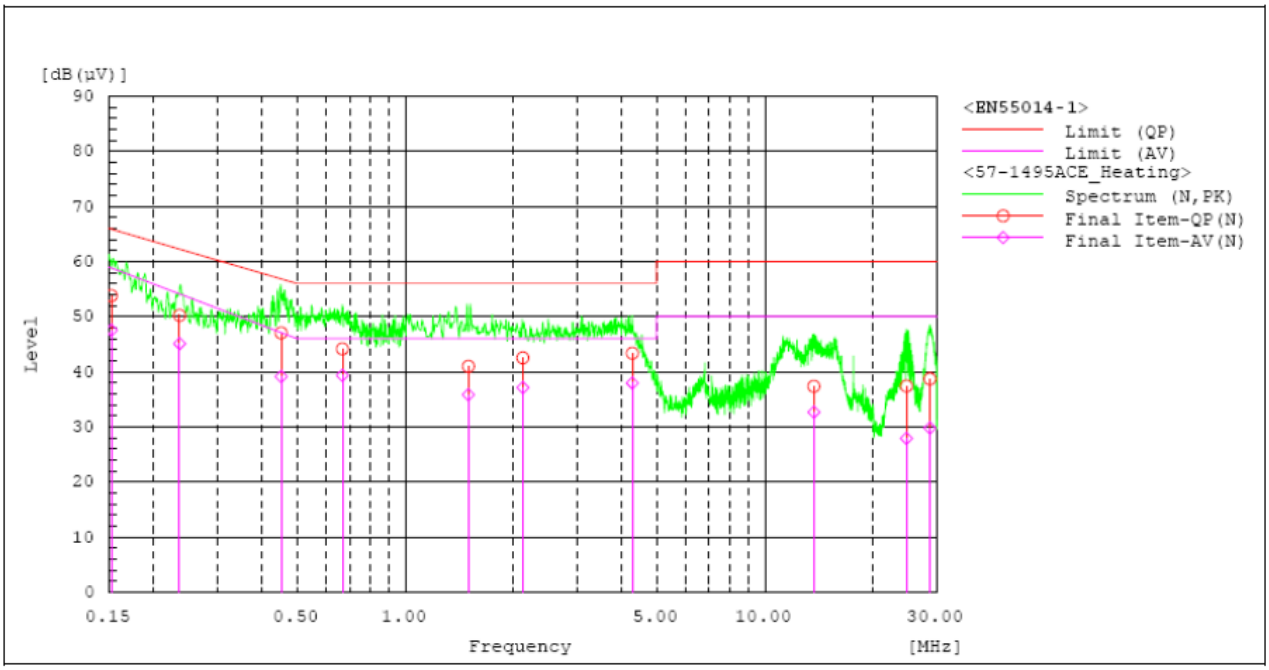
Figure 23: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Neutral; Operation mode A



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15118	45.6	38.1	10.2	55.8	48.3	65.9	58.9	10.1	10.6
2	0.19412	36.8	30.3	10.2	47.0	40.5	63.9	56.2	16.9	15.7
3	0.23909	37.6	32.3	10.2	47.8	42.5	62.1	54.0	14.3	11.5
4	0.48993	34.6	27.8	10.2	44.8	38.0	56.2	46.2	11.4	8.2
5	0.69934	31.0	25.2	10.2	41.2	35.4	56.0	46.0	14.8	10.6
6	3.62344	24.8	19.5	10.4	35.2	29.9	56.0	46.0	20.8	16.1
7	11.7556	24.6	19.5	10.6	35.2	30.1	60.0	50.0	24.8	19.9
8	13.180	26.1	20.0	10.7	36.8	30.7	60.0	50.0	23.2	19.3
9	24.9676	26.6	17.3	10.7	37.3	28.0	60.0	50.0	22.7	22.0
10	28.484	27.3	19.6	10.6	37.9	30.2	60.0	50.0	22.1	19.8

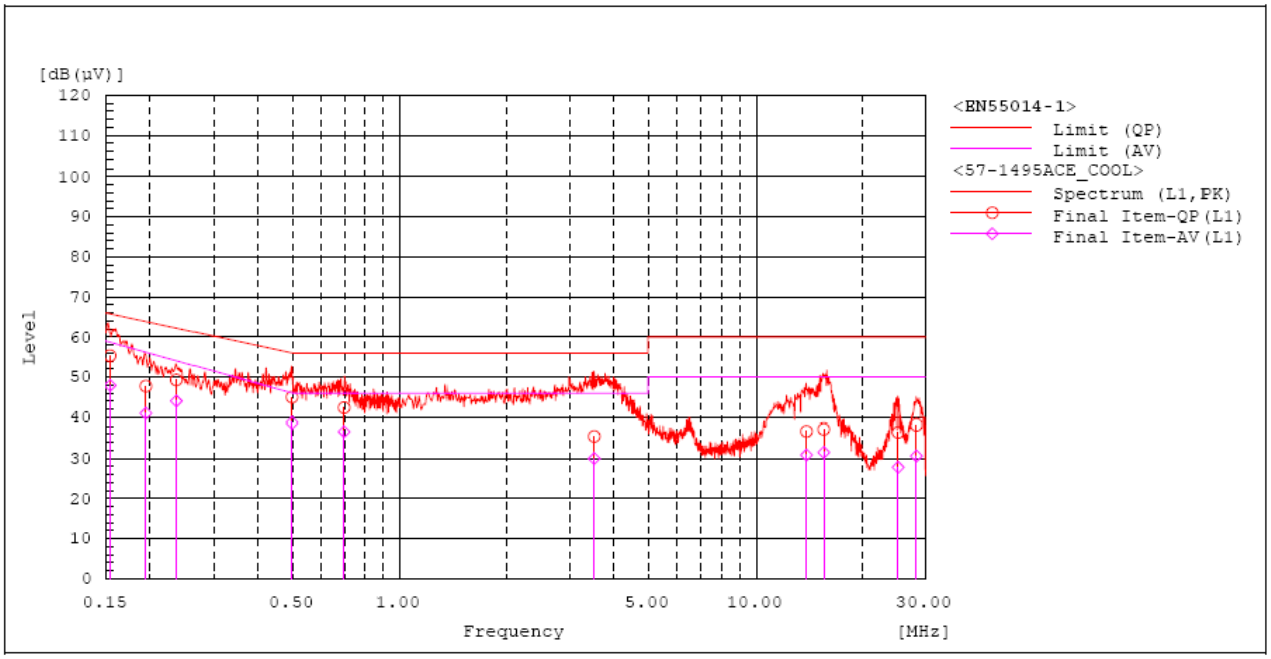
Operation mode B



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15223	43.6	37.3	10.2	53.8	47.5	65.9	58.8	12.1	11.3
2	0.2359	40.0	34.9	10.2	50.2	45.1	62.2	54.1	12.0	9.0
3	0.45179	36.8	28.9	10.2	47.0	39.1	56.8	47.1	9.8	8.0
4	0.66848	33.9	29.1	10.2	44.1	39.3	56.0	46.0	11.9	6.7
5	1.4988	30.7	25.5	10.3	41.0	35.8	56.0	46.0	15.0	10.2
6	2.12392	32.2	26.8	10.3	42.5	37.1	56.0	46.0	13.5	8.9
7	4.28216	33.0	27.5	10.4	43.4	37.9	56.0	46.0	12.6	8.1
8	13.6878	26.6	22.0	10.7	37.3	32.7	60.0	50.0	22.7	17.3
9	24.7638	26.7	17.2	10.7	37.4	27.9	60.0	50.0	22.6	22.1
10	28.7698	28.1	19.2	10.6	38.7	29.8	60.0	50.0	21.3	20.2

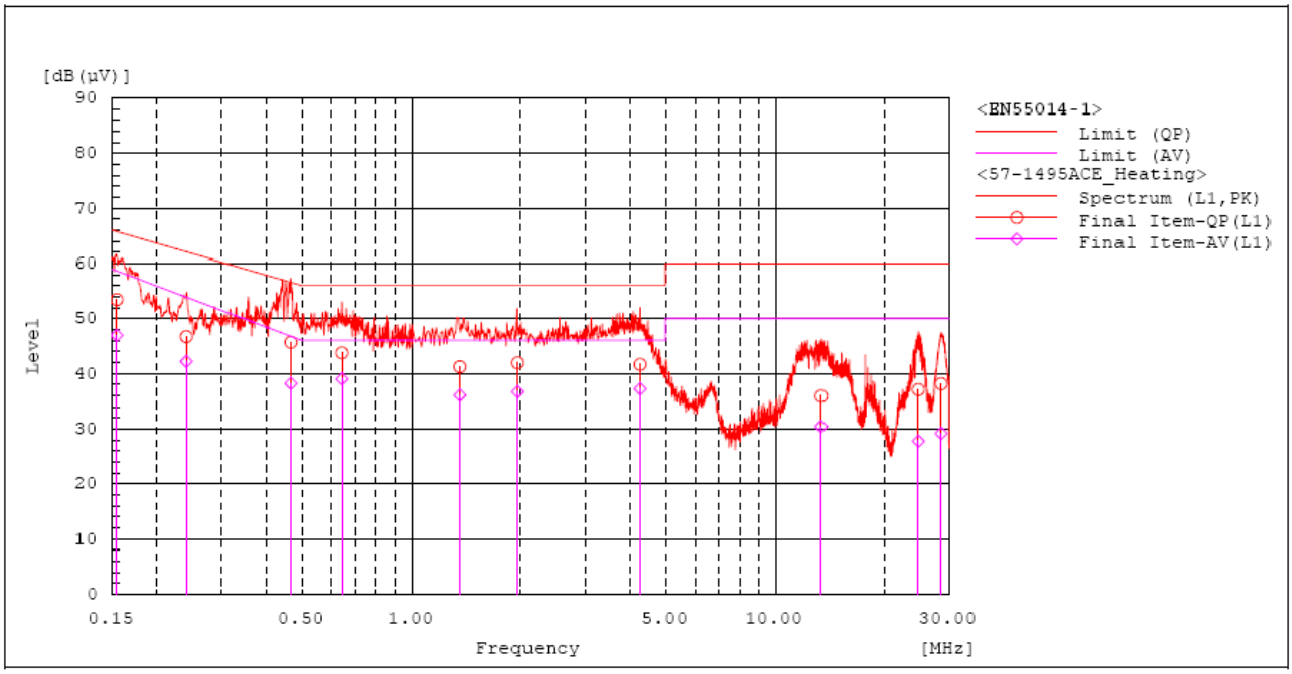
Figure 24: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Line; Operation mode A



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15411	45.1	37.7	10.2	55.3	47.9	65.8	58.7	10.5	10.8
2	0.19443	37.6	30.8	10.2	47.8	41.0	63.8	56.2	16.0	15.2
3	0.23709	39.1	33.9	10.2	49.3	44.1	62.2	54.1	12.9	10.0
4	0.49817	34.8	28.5	10.2	45.0	38.7	56.0	46.0	11.0	7.3
5	0.69879	32.2	26.5	10.2	42.4	36.7	56.0	46.0	13.6	9.3
6	3.52184	25.1	19.6	10.4	35.5	30.0	56.0	46.0	20.5	16.0
7	13.8632	25.9	20.1	10.8	36.7	30.9	60.0	50.0	23.3	19.1
8	15.5108	26.4	20.6	10.9	37.3	31.5	60.0	50.0	22.7	18.5
9	25.1628	25.5	16.8	11.0	36.5	27.8	60.0	50.0	23.5	22.2
10	28.3504	27.1	19.5	11.1	38.2	30.6	60.0	50.0	21.8	19.4

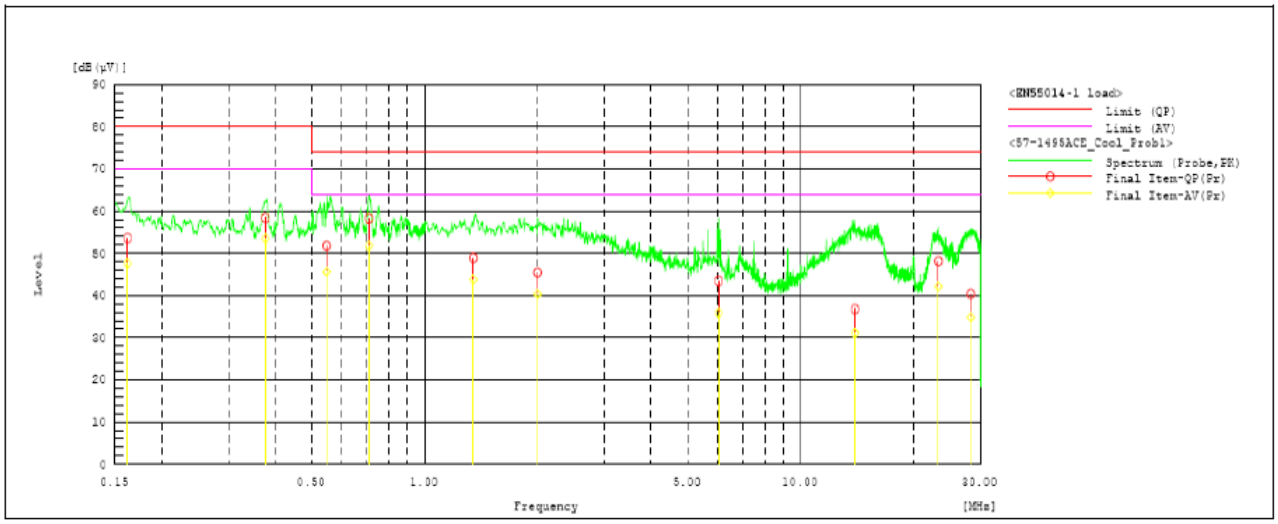
Operation mode B



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15485	43.3	36.7	10.2	53.5	46.9	65.7	58.7	12.2	11.8
2	0.24069	36.5	32.0	10.2	46.7	42.2	62.1	53.9	15.4	11.7
3	0.46616	35.5	28.0	10.2	45.7	38.2	56.6	46.8	10.9	8.6
4	0.64512	33.5	28.8	10.2	43.7	39.0	56.0	46.0	12.3	7.0
5	1.3588	30.9	25.7	10.3	41.2	36.0	56.0	46.0	14.8	10.0
6	1.96024	31.6	26.4	10.3	41.9	36.7	56.0	46.0	14.1	9.3
7	4.25536	31.2	26.8	10.4	41.6	37.2	56.0	46.0	14.4	8.8
8	13.3668	25.2	19.7	10.7	35.9	30.4	60.0	50.0	24.1	19.6
9	24.709	26.1	16.8	11.0	37.1	27.8	60.0	50.0	22.9	22.2
10	28.5852	27.0	18.1	11.1	38.1	29.2	60.0	50.0	21.9	20.8

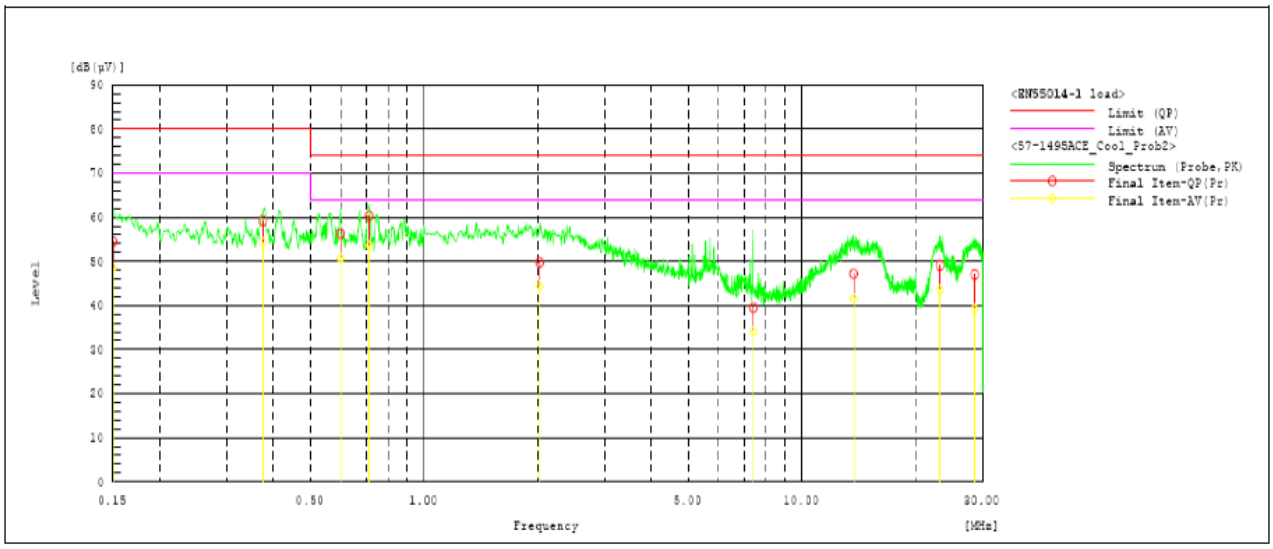
Figure 25: Spectral Diagram, Continuous Disturbance Voltage – Interconnection cable; Operation mode A, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16194	23.2	17.2	30.4	53.6	47.6	80.0	70.0	26.4	22.4
2	0.37732	28.0	23.1	30.4	58.4	53.5	80.0	70.0	21.6	16.5
3	0.5485	21.4	15.2	30.4	51.8	45.6	74.0	64.0	22.2	18.4
4	0.70993	27.8	21.3	30.4	58.2	51.7	74.0	64.0	15.8	12.3
5	1.34448	18.5	13.3	30.4	48.9	43.7	74.0	64.0	25.1	20.3
6	1.99312	15.0	9.9	30.4	45.4	40.3	74.0	64.0	28.6	23.7
7	6.0445	13.0	5.4	30.4	43.4	35.8	74.0	64.0	30.6	28.2
8	13.9114	6.1	0.5	30.6	36.7	31.1	74.0	64.0	37.3	32.9
9	23.200	17.4	11.4	30.7	48.1	42.1	74.0	64.0	25.9	21.9
10	28.2908	9.7	4.1	30.7	40.4	34.8	74.0	64.0	33.6	29.2

Operation mode A, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

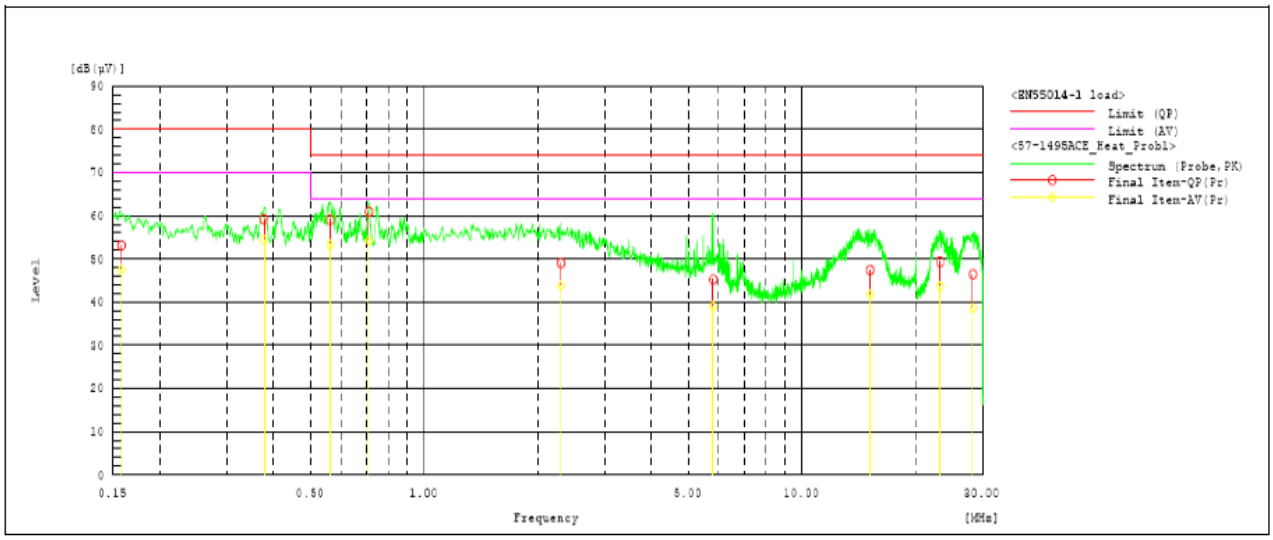
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15034	24.1	18.1	30.4	54.5	48.5	80.0	70.0	25.5	21.5
2	0.37458	28.8	23.9	30.4	59.2	54.3	80.0	70.0	20.8	15.7
3	0.60077	25.9	20.3	30.4	56.3	50.7	74.0	64.0	17.7	13.3
4	0.71457	29.9	23.2	30.4	60.3	53.6	74.0	64.0	13.7	10.4
5	2.02216	19.3	13.9	30.4	49.7	44.3	74.0	64.0	24.3	19.7
6	7.4222	9.0	3.6	30.5	39.5	34.1	74.0	64.0	34.5	29.9
7	13.7034	16.5	10.9	30.6	47.1	41.5	74.0	64.0	26.9	22.5
8	23.161	18.4	12.8	30.7	49.1	43.5	74.0	64.0	24.9	20.5
9	28.5738	16.3	8.5	30.7	47.0	39.2	74.0	64.0	27.0	24.8

Operation mode A, Interconnection cable 3 (Outdoor side)

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15545	34.0	25.7	30.4	64.4	56.1	80.0	70.0	15.6	13.9
2	0.16142	32.7	24.7	30.4	63.1	55.1	80.0	70.0	16.9	14.9
3	0.17207	30.8	23.3	30.4	61.2	53.7	80.0	70.0	18.8	16.3
4	0.18121	29.5	21.6	30.4	59.9	52.0	80.0	70.0	20.1	18.0
5	0.71403	29.8	23.0	30.4	60.2	53.4	74.0	64.0	13.8	10.6
6	5.763	13.9	7.3	30.4	44.3	37.7	74.0	64.0	29.7	26.3

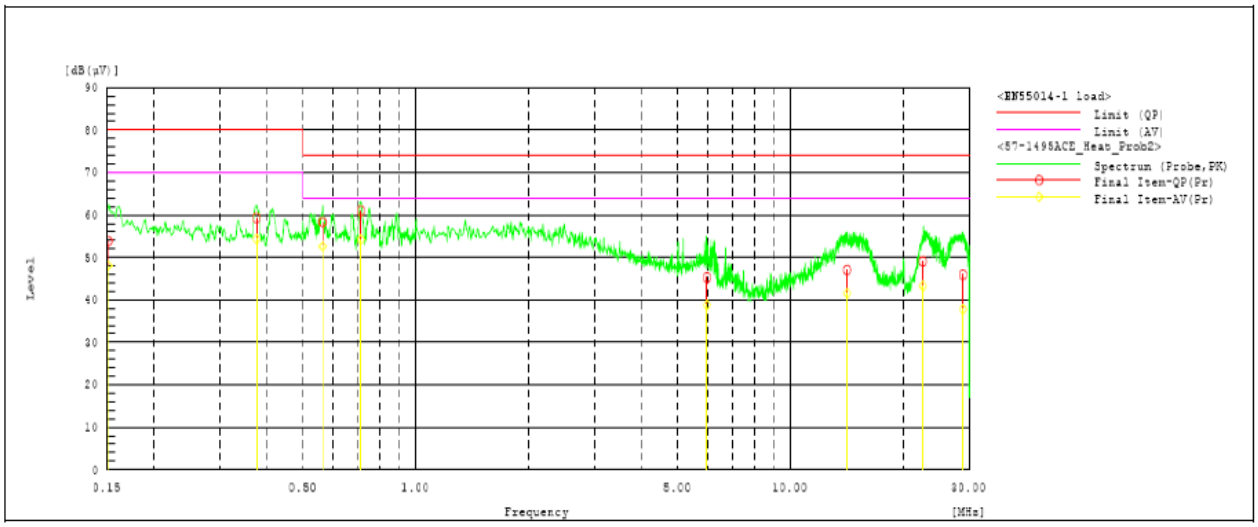
Operation mode B, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15808	22.7	17.1	30.4	53.1	47.5	80.0	70.0	26.9	22.5
2	0.37617	28.8	24.0	30.4	59.2	54.4	80.0	70.0	20.8	15.6
3	0.5626	28.6	22.9	30.4	59.0	53.3	74.0	64.0	15.0	10.7
4	0.71359	30.5	23.8	30.4	60.9	54.2	74.0	64.0	13.1	9.8
5	2.29824	18.6	13.3	30.4	49.0	43.7	74.0	64.0	25.0	20.3
6	5.8082	14.8	8.5	30.4	45.2	38.9	74.0	64.0	28.8	25.1
7	15.1178	16.8	11.1	30.6	47.4	41.7	74.0	64.0	26.6	22.3
8	23.1662	18.6	12.9	30.7	49.3	43.6	74.0	64.0	24.7	20.4
9	28.2802	15.7	7.8	30.7	46.4	38.5	74.0	64.0	27.6	25.5

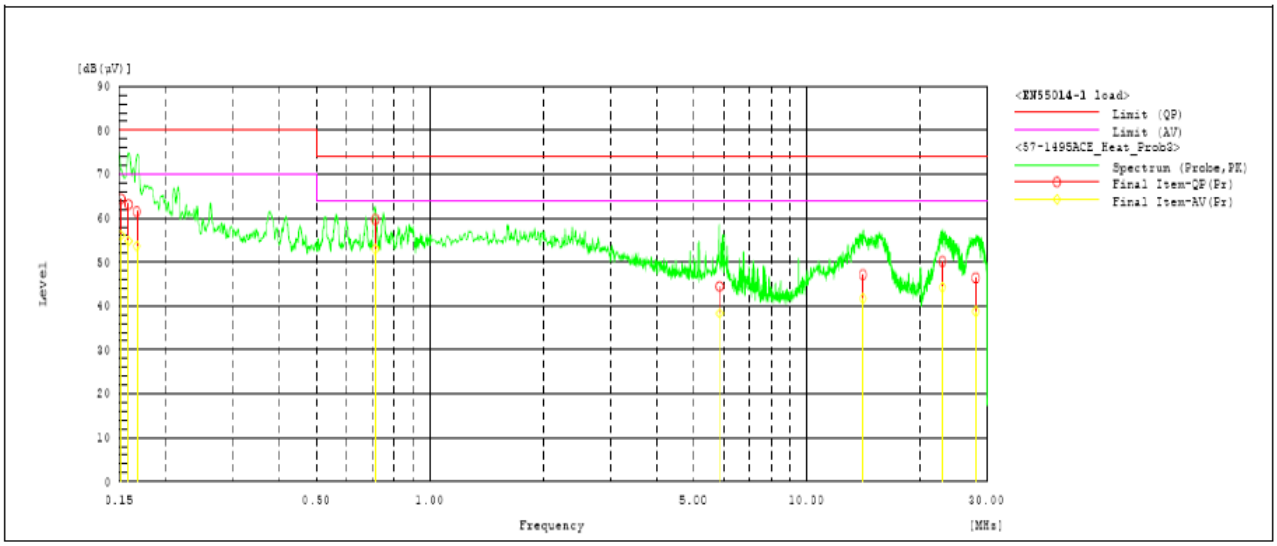
Operation mode B, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15119	23.4	17.7	30.4	53.8	48.1	80.0	70.0	26.2	21.9
2	0.37591	28.9	23.9	30.4	59.3	54.3	80.0	70.0	20.7	15.7
3	0.564	27.9	22.2	30.4	58.3	52.6	74.0	64.0	15.7	11.4
4	0.71291	30.6	23.8	30.4	61.0	54.2	74.0	64.0	13.0	9.8
5	5.9848	14.9	8.4	30.4	45.3	38.8	74.0	64.0	28.7	25.2
6	14.1684	16.4	11.0	30.6	47.0	41.6	74.0	64.0	27.0	22.4
7	22.5646	18.4	12.6	30.7	49.1	43.3	74.0	64.0	24.9	20.7
8	28.8424	15.2	7.1	30.7	45.9	37.8	74.0	64.0	28.1	26.2

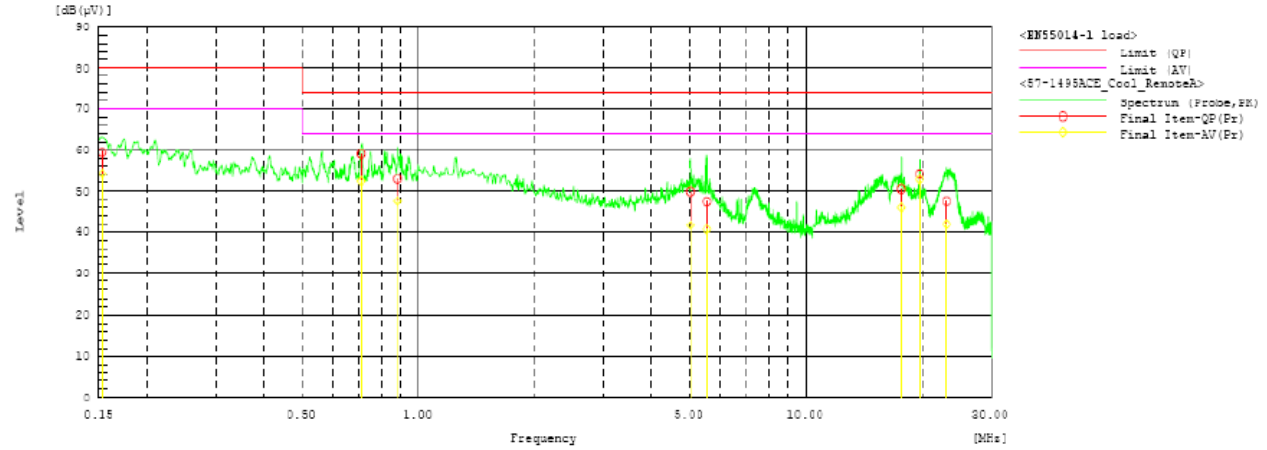
Operation mode B, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15137	34.0	25.7	30.4	64.4	56.1	80.0	70.0	15.6	13.9
2	0.15832	32.7	24.4	30.4	63.1	54.8	80.0	70.0	16.9	15.2
3	0.16675	31.0	23.2	30.4	61.4	53.6	80.0	70.0	18.6	16.4
4	0.71467	29.3	22.5	30.4	59.7	52.9	74.0	64.0	14.3	11.1
5	5.8527	14.0	7.9	30.4	44.4	38.3	74.0	64.0	29.6	25.7
6	14.055	16.5	11.1	30.6	47.1	41.7	74.0	64.0	26.9	22.3
7	22.8298	19.4	13.5	30.7	50.1	44.2	74.0	64.0	23.9	19.8
8	28.0044	15.7	8.0	30.7	46.4	38.7	74.0	64.0	27.6	25.3

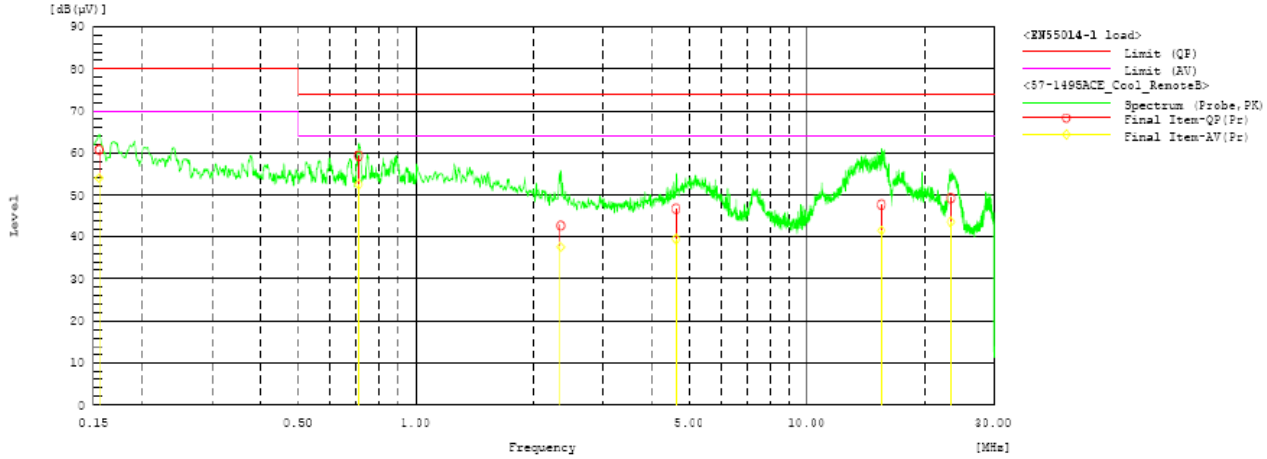
Figure 26: Spectral Diagram, Continuous Disturbance Voltage – Wired remote control cable; Operation mode A, Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15271	29.0	23.8	30.4	59.4	54.2	80.0	70.0	20.6	15.8
2	0.71276	28.6	21.9	30.4	59.0	52.3	74.0	64.0	15.0	11.7
3	0.88231	22.4	17.1	30.4	52.8	47.5	74.0	64.0	21.2	16.5
4	5.0329	19.4	11.2	30.4	49.8	41.6	74.0	64.0	24.2	22.4
5	5.541	17.0	10.2	30.4	47.4	40.6	74.0	64.0	26.6	23.4
6	17.6156	19.8	15.2	30.7	50.5	45.9	74.0	64.0	23.5	18.1
7	19.6622	23.4	22.1	30.7	54.1	52.8	74.0	64.0	19.9	11.2
8	23.0702	16.8	11.2	30.7	47.5	41.9	74.0	64.0	26.5	22.1

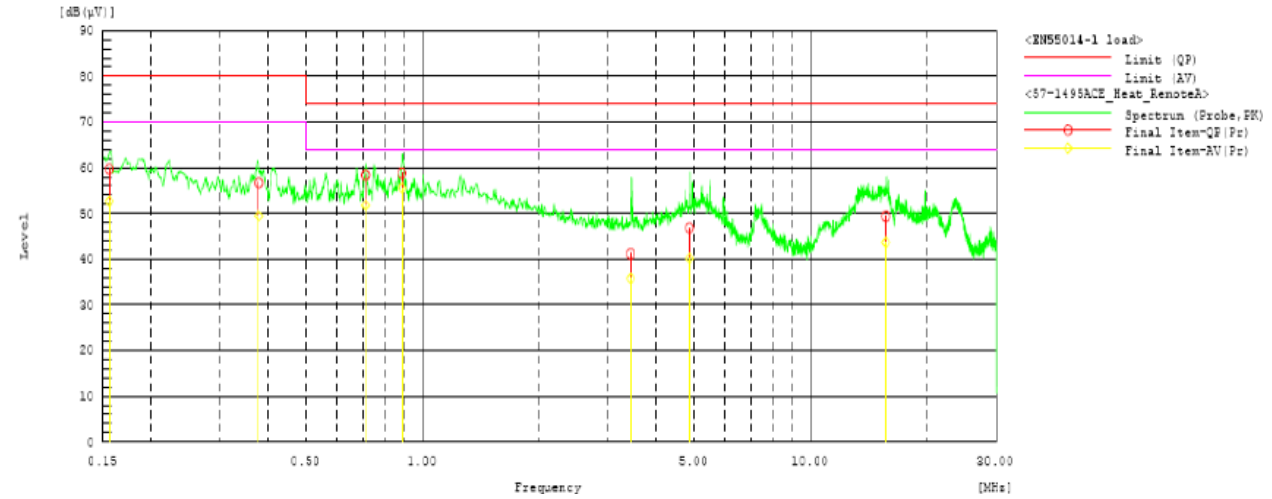
Wired remote control cable B (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.1546	30.2	23.6	30.4	60.6	54.0	80.0	70.0	19.4	16.0
2	0.71295	28.8	22.1	30.4	59.2	52.5	74.0	64.0	14.8	11.5
3	2.33952	12.4	7.1	30.4	42.8	37.5	74.0	64.0	31.2	26.5
4	4.61944	16.4	9.0	30.4	46.8	39.4	74.0	64.0	27.2	24.6
5	15.4782	17.2	11.0	30.6	47.8	41.6	74.0	64.0	26.2	22.4
6	23.2526	18.6	13.0	30.7	49.3	43.7	74.0	64.0	24.7	20.3

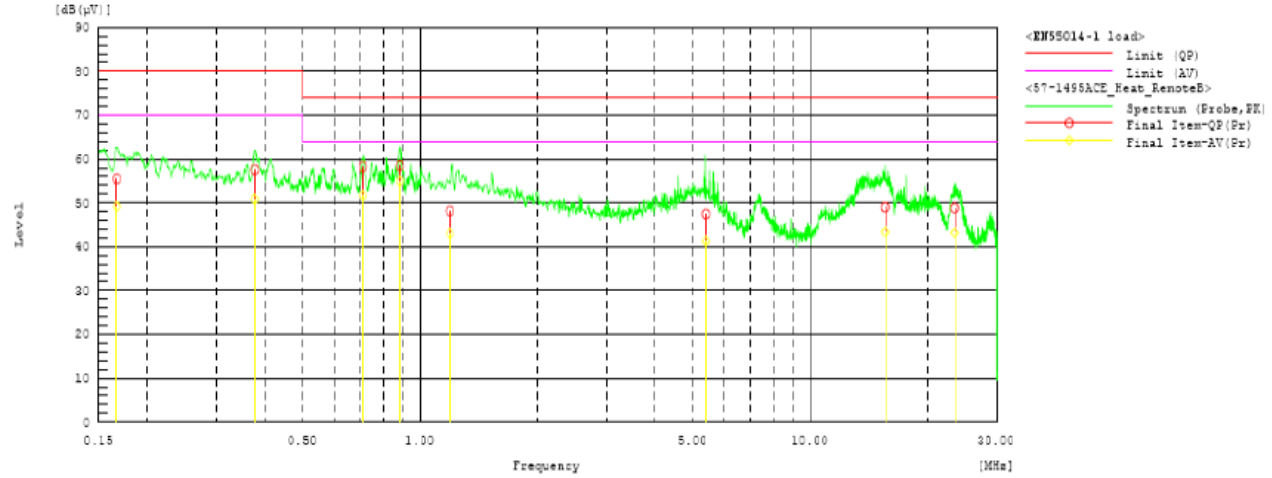
Operation mode B, Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15586	29.3	22.2	30.4	59.7	52.6	80.0	70.0	20.3	17.4
2	0.37795	26.3	19.0	30.4	56.7	49.4	80.0	70.0	23.3	20.6
3	0.71307	27.9	21.4	30.4	58.3	51.8	74.0	64.0	15.7	12.2
4	0.8848	28.4	25.1	30.4	58.8	55.5	74.0	64.0	15.2	8.5
5	3.4352	10.7	5.3	30.4	41.1	35.7	74.0	64.0	32.9	28.3
6	4.86992	16.4	9.8	30.4	46.8	40.2	74.0	64.0	27.2	23.8
7	15.619	18.7	13.0	30.6	49.3	43.6	74.0	64.0	24.7	20.4

Wired remote control cable B (Indoor side)

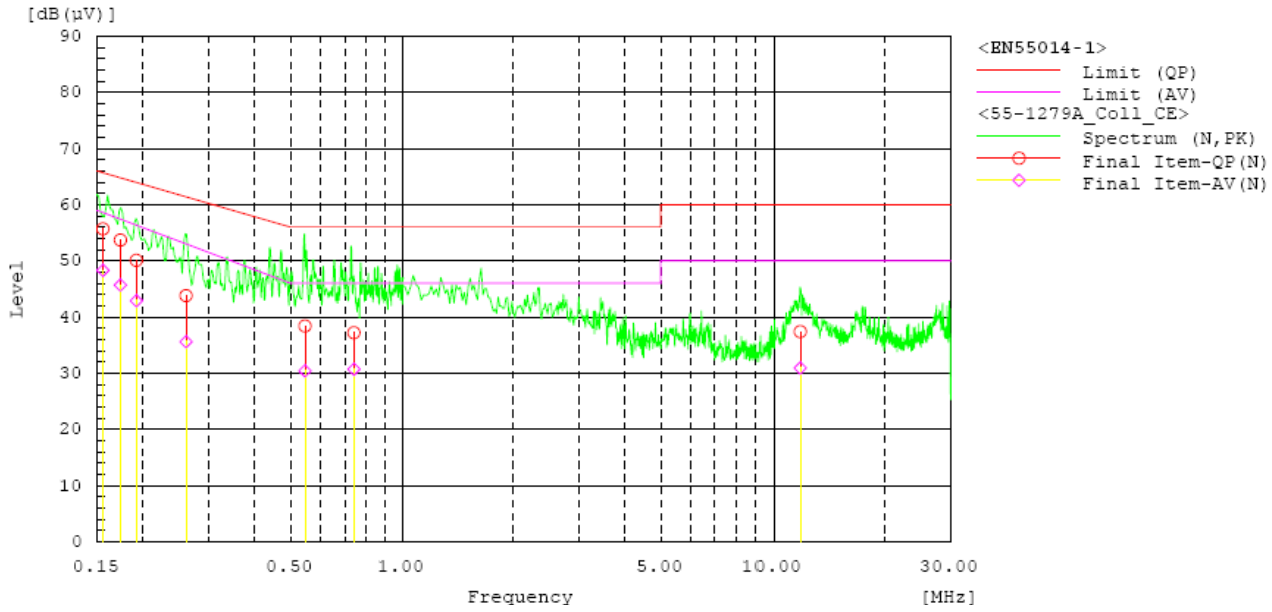


--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.1666	25.0	18.8	30.4	55.4	49.2	80.0	70.0	24.6	20.8
2	0.37579	27.2	20.4	30.4	57.6	50.8	80.0	70.0	22.4	19.2
3	0.71229	27.9	21.3	30.4	58.3	51.7	74.0	64.0	15.7	12.3
4	0.88649	28.1	24.5	30.4	58.5	54.9	74.0	64.0	15.5	9.1
5	1.19024	17.7	12.6	30.4	48.1	43.0	74.0	64.0	25.9	21.0
6	5.3892	17.0	10.9	30.4	47.4	41.3	74.0	64.0	26.6	22.7
7	15.5464	18.4	12.7	30.6	49.0	43.3	74.0	64.0	25.0	20.7
8	23.414	18.1	12.4	30.7	48.8	43.1	74.0	64.0	25.2	20.9

SET UP 9 : RAV-RM561CTP-E/RAV-SM564ATP-A1

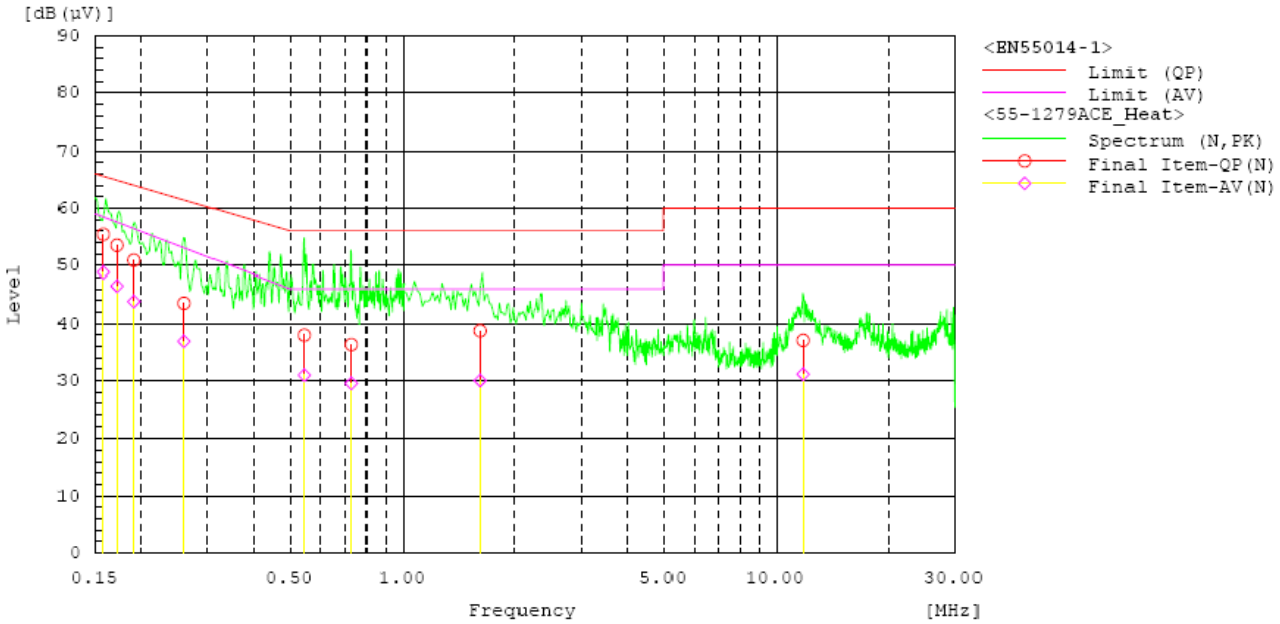
Figure 27: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Neutral; Operation mode A



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15567	45.5	38.1	10.2	55.7	48.3	65.7	58.6	10.0	10.3
2	0.19154	39.9	32.7	10.2	50.1	42.9	64.0	56.4	13.9	13.5
3	0.1735	43.5	35.5	10.2	53.7	45.7	64.8	57.4	11.1	11.7
4	0.261	33.6	25.4	10.2	43.8	35.6	61.4	53.0	17.6	17.4
5	0.5471	28.2	20.2	10.2	38.4	30.4	56.0	46.0	17.6	15.6
6	0.741	26.9	20.4	10.3	37.2	30.7	56.0	46.0	18.8	15.3
7	11.800	26.6	20.1	10.8	37.4	30.9	60.0	50.0	22.6	19.1

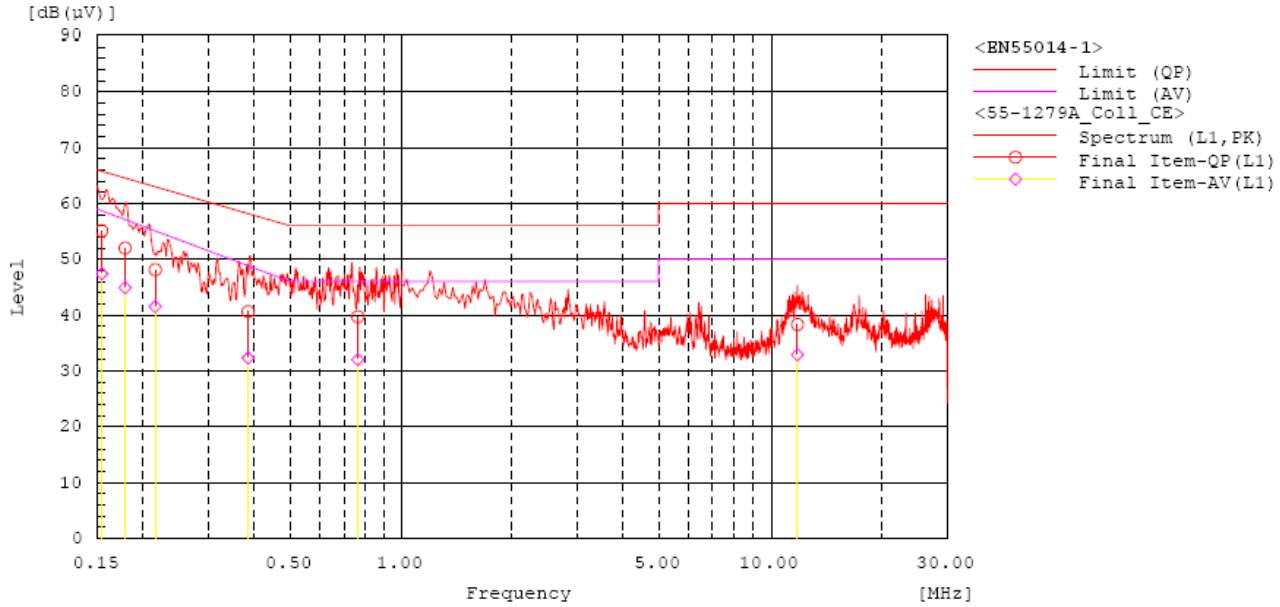
Operation mode B



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15775	45.2	38.6	10.2	55.4	48.8	65.6	58.5	10.2	9.7
2	0.19068	40.7	33.7	10.2	50.9	43.9	64.0	56.4	13.1	12.5
3	0.17168	43.3	36.3	10.2	53.5	46.5	64.9	57.5	11.4	11.0
4	0.26023	33.3	26.7	10.2	43.5	36.9	61.4	53.1	17.9	16.2
5	0.54571	27.8	20.7	10.2	38.0	30.9	56.0	46.0	18.0	15.1
6	0.73052	26.0	19.2	10.3	36.3	29.5	56.0	46.0	19.7	16.5
7	1.61254	28.4	19.7	10.3	38.7	30.0	56.0	46.0	17.3	16.0
8	11.812	26.2	20.3	10.8	37.0	31.1	60.0	50.0	23.0	18.9

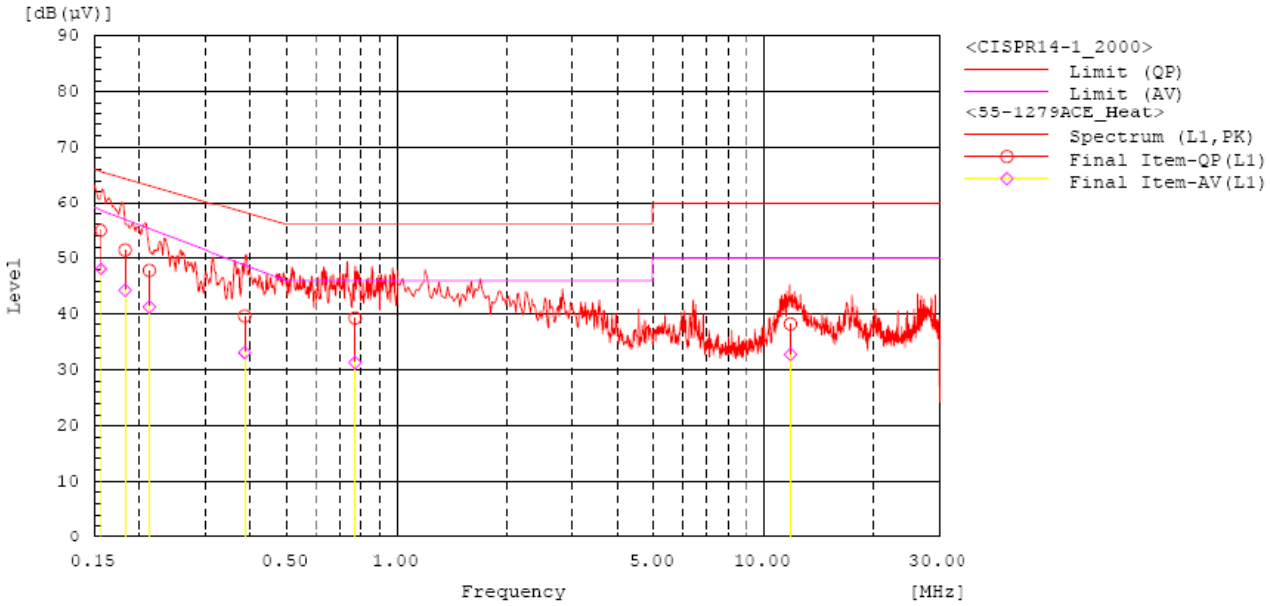
Figure 28: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Line; Operation mode A



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.1542	44.9	37.2	10.2	55.1	47.4	65.8	58.7	10.7	11.3
2	0.1786	41.8	34.7	10.2	52.0	44.9	64.6	57.1	12.6	12.2
3	0.21554	37.9	31.3	10.2	48.1	41.5	63.0	55.1	14.9	13.6
4	0.38489	30.4	22.1	10.2	40.6	32.3	58.2	48.8	17.6	16.5
5	0.7641	29.4	21.7	10.3	39.7	32.0	56.0	46.0	16.3	14.0
6	11.786	27.5	22.1	10.8	38.3	32.9	60.0	50.0	21.7	17.1

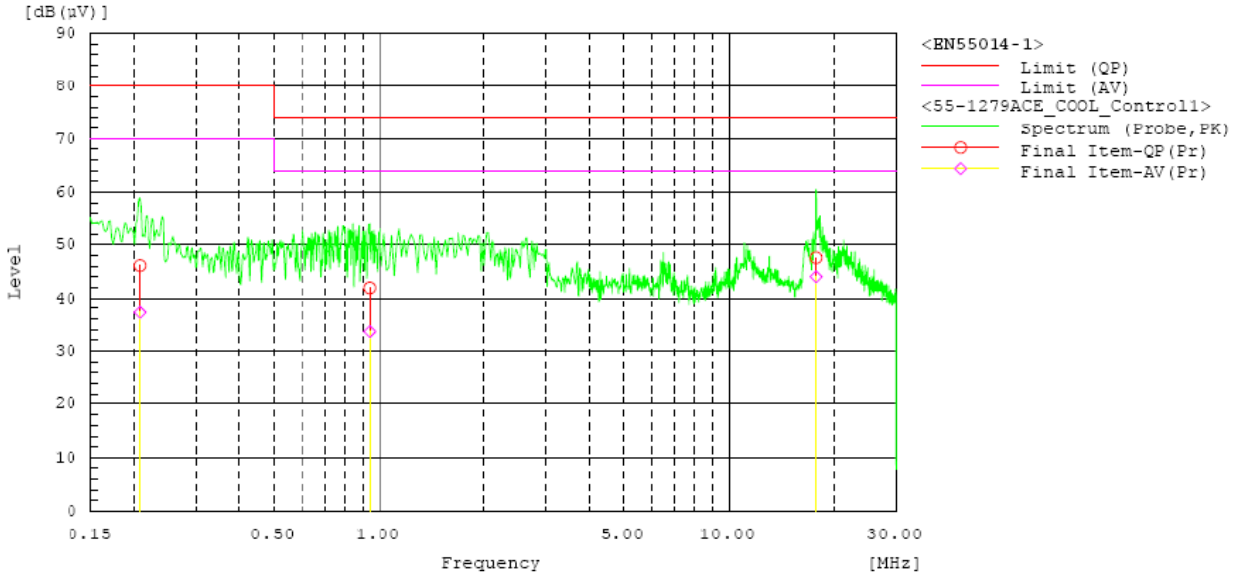
Operation mode B



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15666	44.7	37.9	10.2	54.9	48.1	65.6	58.5	10.7	10.4
2	0.18284	41.3	34.1	10.2	51.5	44.3	64.4	56.9	12.9	12.6
3	0.21232	37.6	30.9	10.2	47.8	41.1	63.1	55.2	15.3	14.1
4	0.38671	29.3	22.8	10.2	39.5	33.0	58.1	48.8	18.6	15.8
5	0.77215	28.8	21.0	10.3	39.1	31.3	56.0	46.0	16.9	14.7
6	11.8412	27.2	21.8	10.9	38.1	32.7	60.0	50.0	21.9	17.3

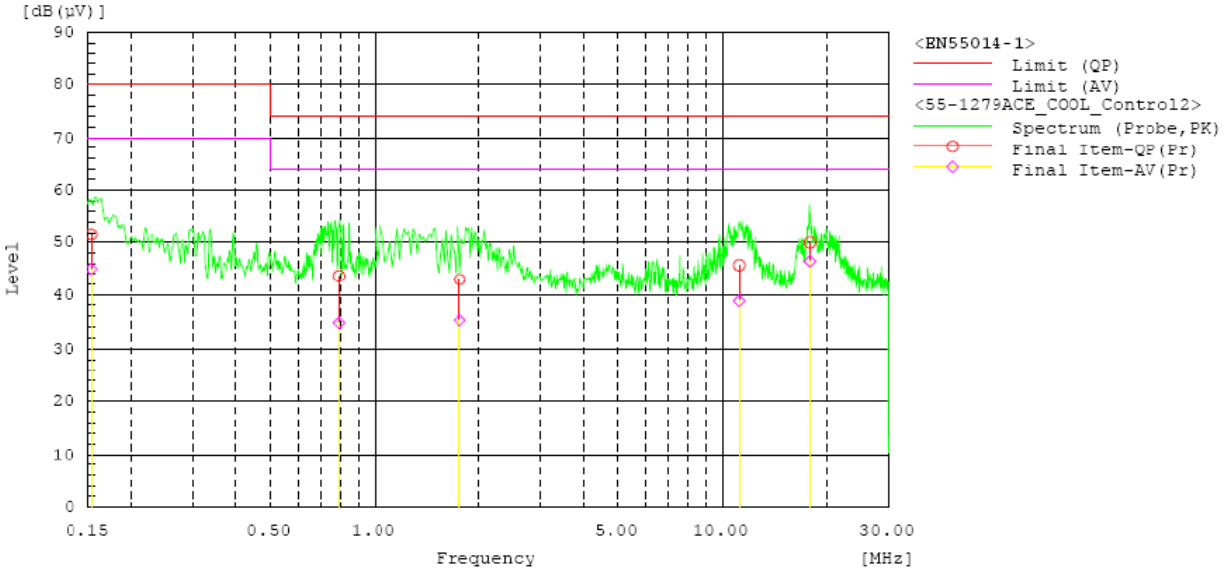
Figure 29: Spectral Diagram, Continuous Disturbance Voltage – Interconnection cable; Operation mode A, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.20695	15.6	6.7	30.5	46.1	37.2	80.0	70.0	33.9	32.8
2	0.93866	11.5	3.2	30.4	41.9	33.6	74.0	64.0	32.1	30.4
3	17.7436	17.0	13.4	30.6	47.6	44.0	74.0	64.0	26.4	20.0

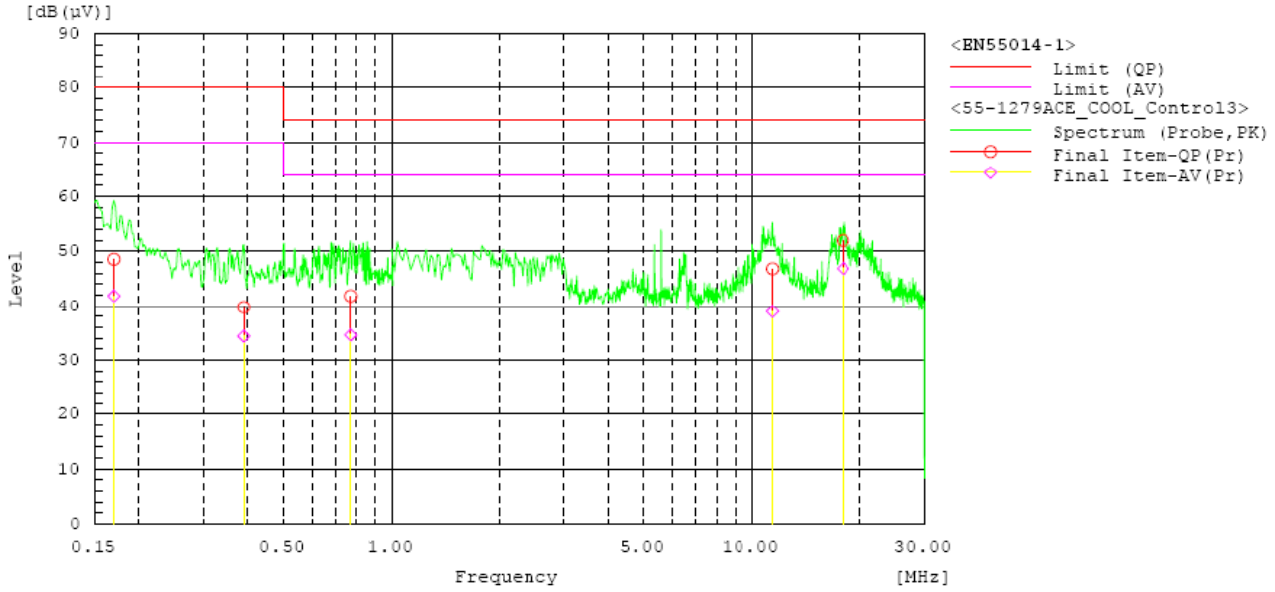
Operation mode A, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15354	21.1	14.5	30.5	51.6	45.0	80.0	70.0	28.4	25.0
2	0.79088	13.2	4.2	30.4	43.6	34.6	74.0	64.0	30.4	29.4
3	1.75672	12.5	4.7	30.4	42.9	35.1	74.0	64.0	31.1	28.9
4	17.8544	19.4	15.8	30.6	50.0	46.4	74.0	64.0	24.0	17.6
5	11.170	15.1	8.2	30.6	45.7	38.8	74.0	64.0	28.3	25.2

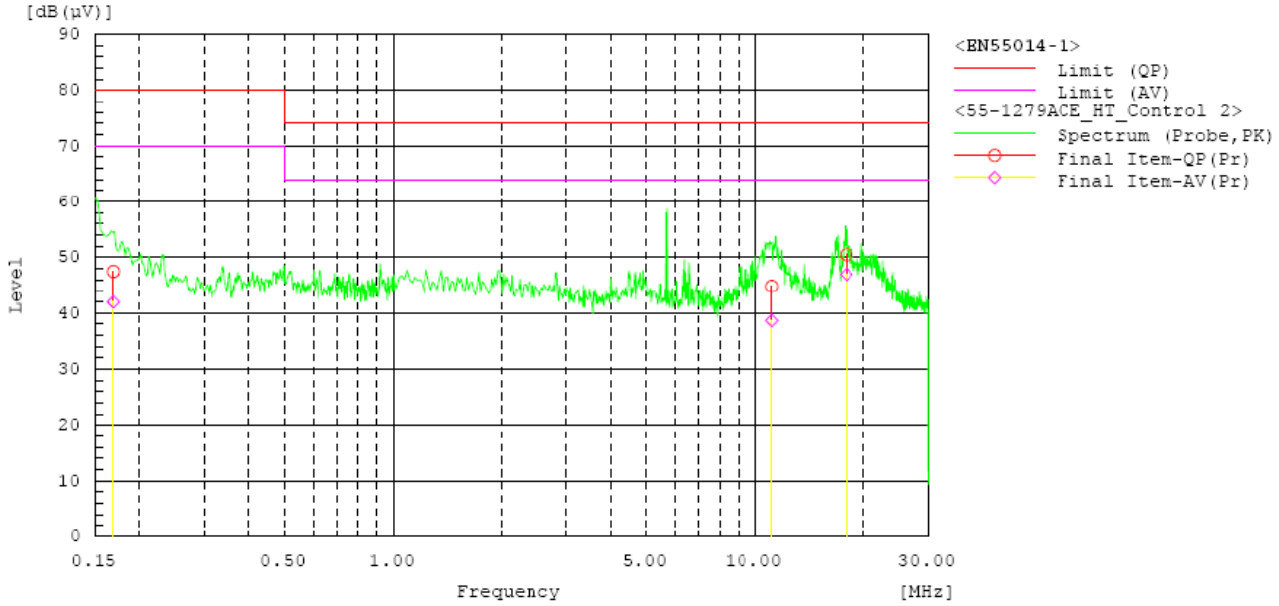
Operation mode A, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.17059	18.0	11.3	30.5	48.5	41.8	80.0	70.0	31.5	28.2
2	0.39035	9.3	4.0	30.4	39.7	34.4	80.0	70.0	40.3	35.6
3	0.77293	11.4	4.2	30.4	41.8	34.6	74.0	64.0	32.2	29.4
4	11.434	16.2	8.3	30.6	46.8	38.9	74.0	64.0	27.2	25.1
5	17.8956	21.3	16.1	30.7	52.0	46.8	74.0	64.0	22.0	17.2

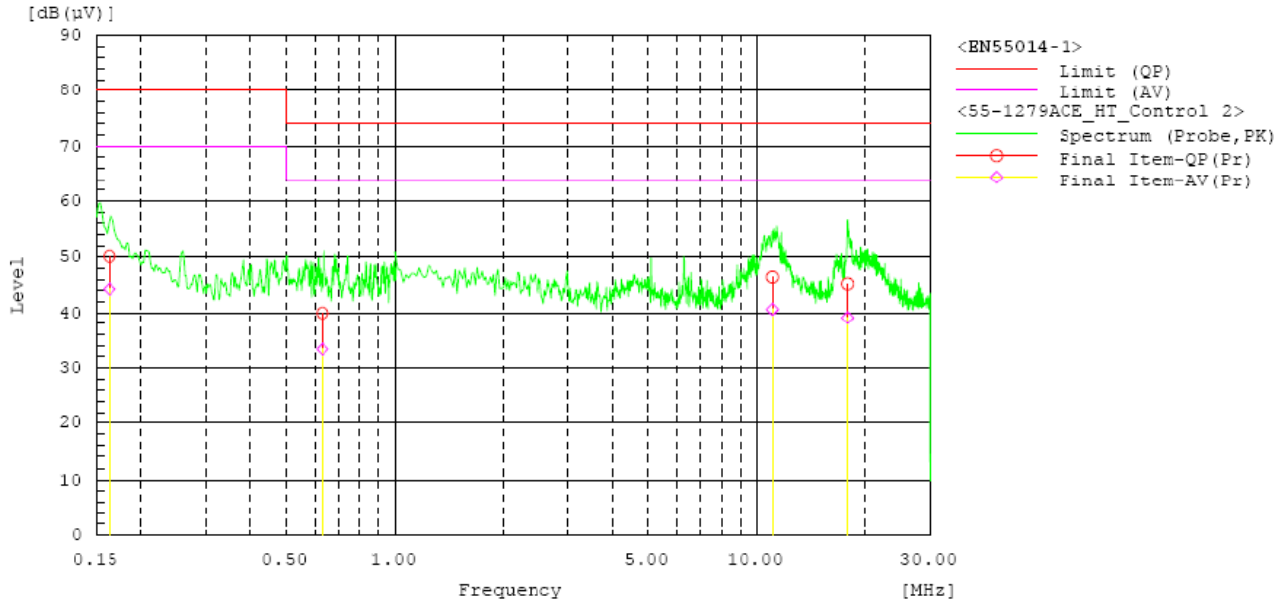
Operation mode B, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16972	17.0	11.4	30.5	47.5	41.9	80.0	70.0	32.5	28.1
2	11.14936	14.2	8.0	30.6	44.8	38.6	74.0	64.0	29.2	25.4
3	17.854	19.9	16.4	30.6	50.5	47.0	74.0	64.0	23.5	17.0

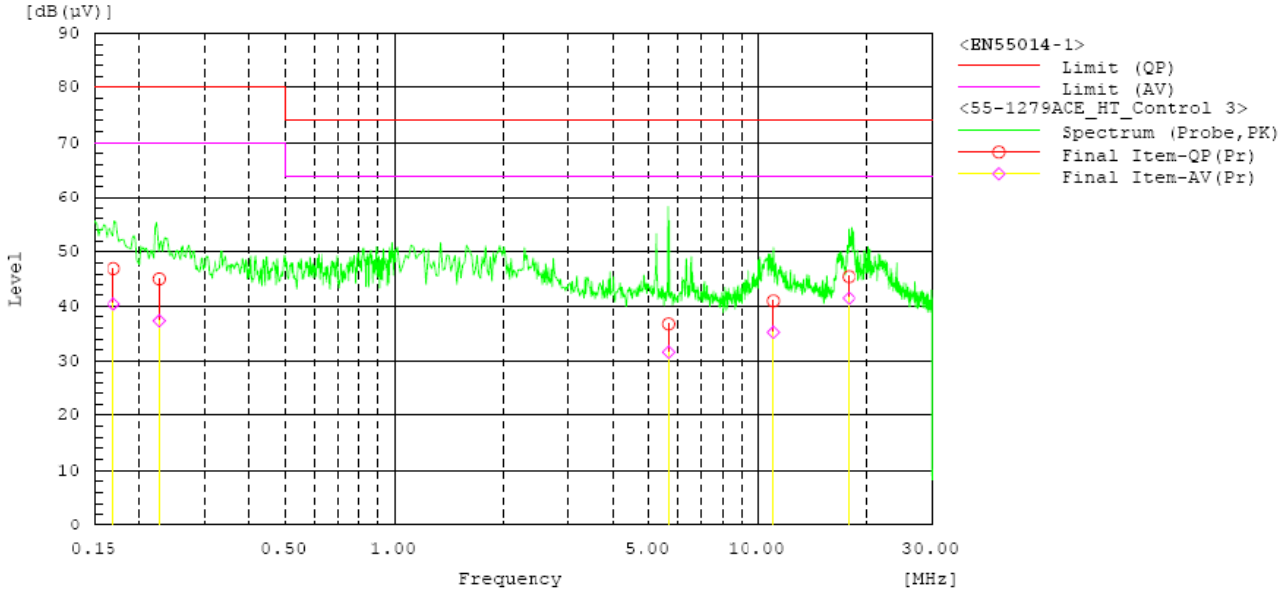
Operation mode B, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16306	19.6	13.8	30.5	50.1	44.3	80.0	70.0	29.9	25.7
2	0.6317	9.5	2.9	30.4	39.9	33.3	74.0	64.0	34.1	30.7
3	17.7428	14.6	8.5	30.6	45.2	39.1	74.0	64.0	28.8	24.9
4	11.0688	15.8	10.0	30.6	46.4	40.6	74.0	64.0	27.6	23.4

Operation mode B, Interconnection cable 3 (Outdoor side)

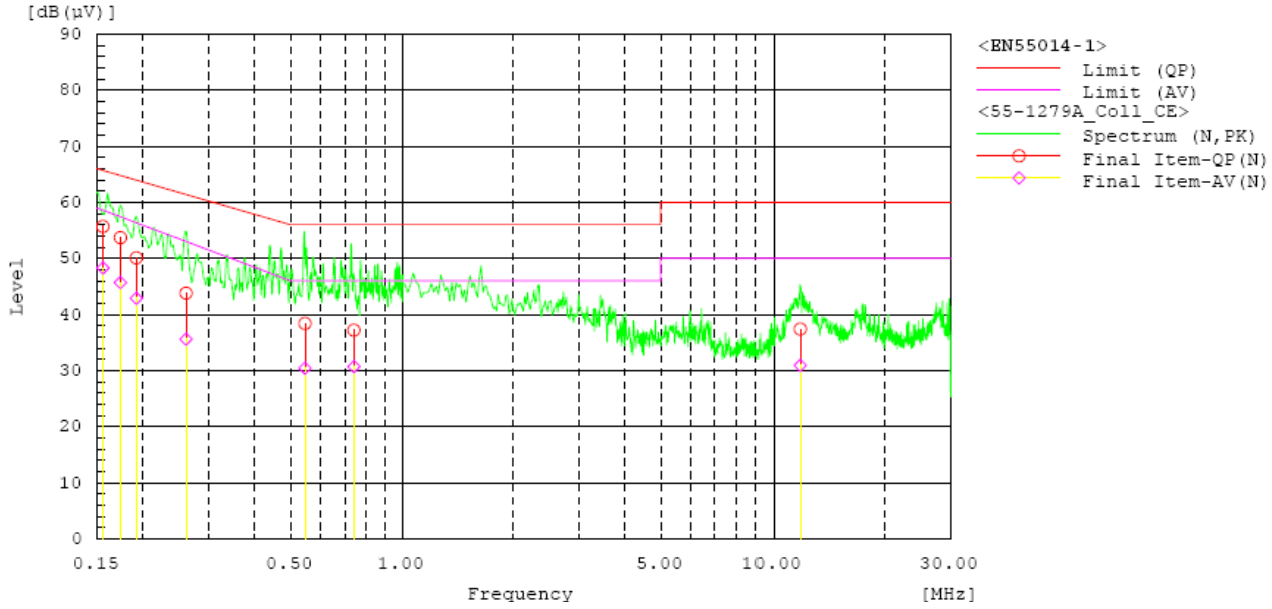


--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	17.7424	14.9	10.8	30.6	45.5	41.4	74.0	64.0	28.5	22.6
2	11.0492	10.3	4.6	30.6	40.9	35.2	74.0	64.0	33.1	28.8
3	5.69368	6.3	1.2	30.4	36.7	31.6	74.0	64.0	37.3	32.4
4	0.1695	16.5	9.8	30.5	47.0	40.3	80.0	70.0	33.0	29.7
5	0.22614	14.6	6.8	30.5	45.1	37.3	80.0	70.0	34.9	32.7

SET UP 10 : RAV-RM801CTP-E/RAV-SM1404ATP-E

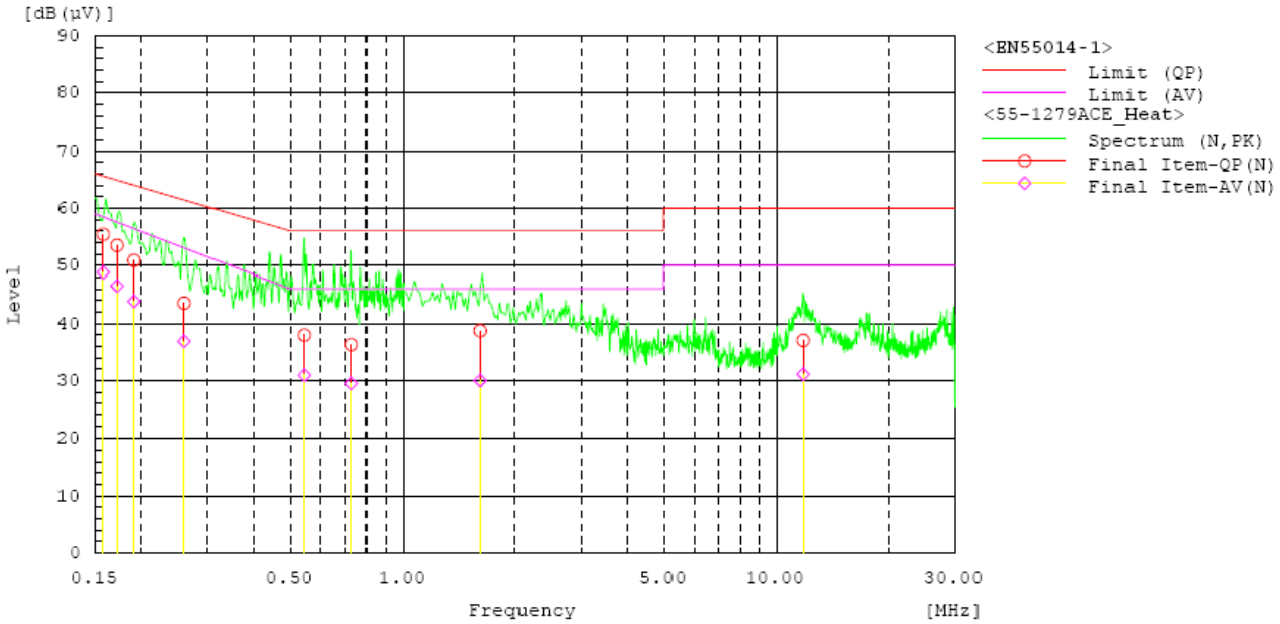
Figure 30: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Neutral; Operation mode A



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15567	45.5	38.1	10.2	55.7	48.3	65.7	58.6	10.0	10.3
2	0.19154	39.9	32.7	10.2	50.1	42.9	64.0	56.4	13.9	13.5
3	0.1735	43.5	35.5	10.2	53.7	45.7	64.8	57.4	11.1	11.7
4	0.261	33.6	25.4	10.2	43.8	35.6	61.4	53.0	17.6	17.4
5	0.5471	28.2	20.2	10.2	38.4	30.4	56.0	46.0	17.6	15.6
6	0.741	26.9	20.4	10.3	37.2	30.7	56.0	46.0	18.8	15.3
7	11.800	26.6	20.1	10.8	37.4	30.9	60.0	50.0	22.6	19.1

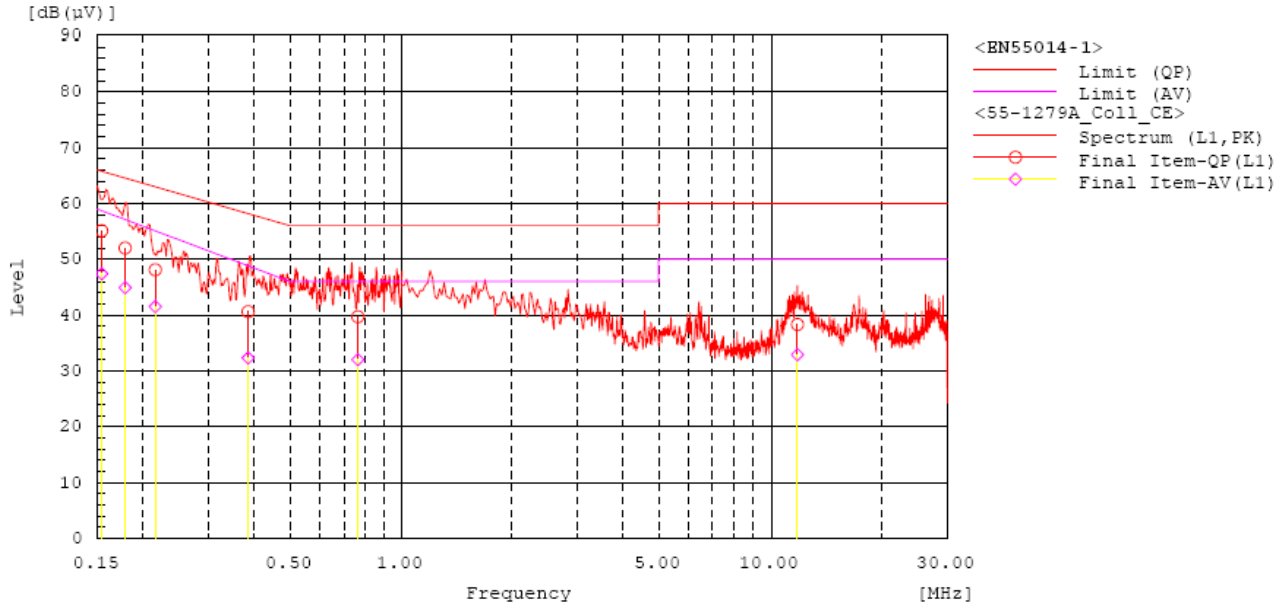
Operation mode B



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15775	45.2	38.6	10.2	55.4	48.8	65.6	58.5	10.2	9.7
2	0.19068	40.7	33.7	10.2	50.9	43.9	64.0	56.4	13.1	12.5
3	0.17168	43.3	36.3	10.2	53.5	46.5	64.9	57.5	11.4	11.0
4	0.26023	33.3	26.7	10.2	43.5	36.9	61.4	53.1	17.9	16.2
5	0.54571	27.8	20.7	10.2	38.0	30.9	56.0	46.0	18.0	15.1
6	0.73052	26.0	19.2	10.3	36.3	29.5	56.0	46.0	19.7	16.5
7	1.61254	28.4	19.7	10.3	38.7	30.0	56.0	46.0	17.3	16.0
8	11.812	26.2	20.3	10.8	37.0	31.1	60.0	50.0	23.0	18.9

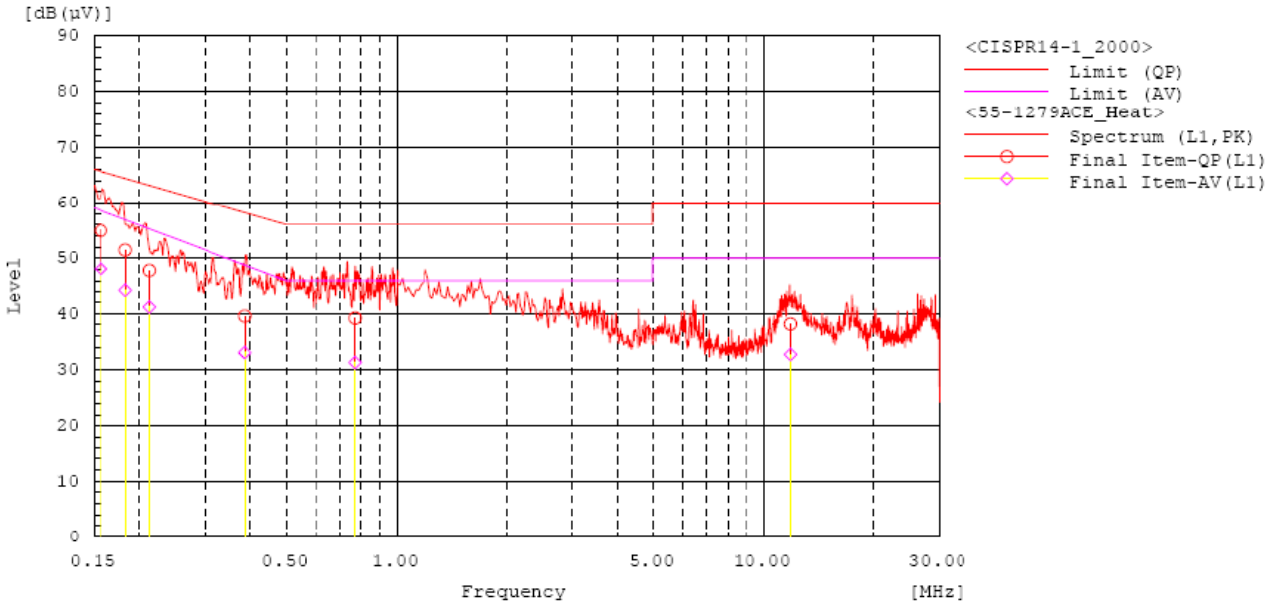
Figure 31: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Line; Operation mode A



--- Ll Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.1542	44.9	37.2	10.2	55.1	47.4	65.8	58.7	10.7	11.3
2	0.1786	41.8	34.7	10.2	52.0	44.9	64.6	57.1	12.6	12.2
3	0.21554	37.9	31.3	10.2	48.1	41.5	63.0	55.1	14.9	13.6
4	0.38489	30.4	22.1	10.2	40.6	32.3	58.2	48.8	17.6	16.5
5	0.7641	29.4	21.7	10.3	39.7	32.0	56.0	46.0	16.3	14.0
6	11.786	27.5	22.1	10.8	38.3	32.9	60.0	50.0	21.7	17.1

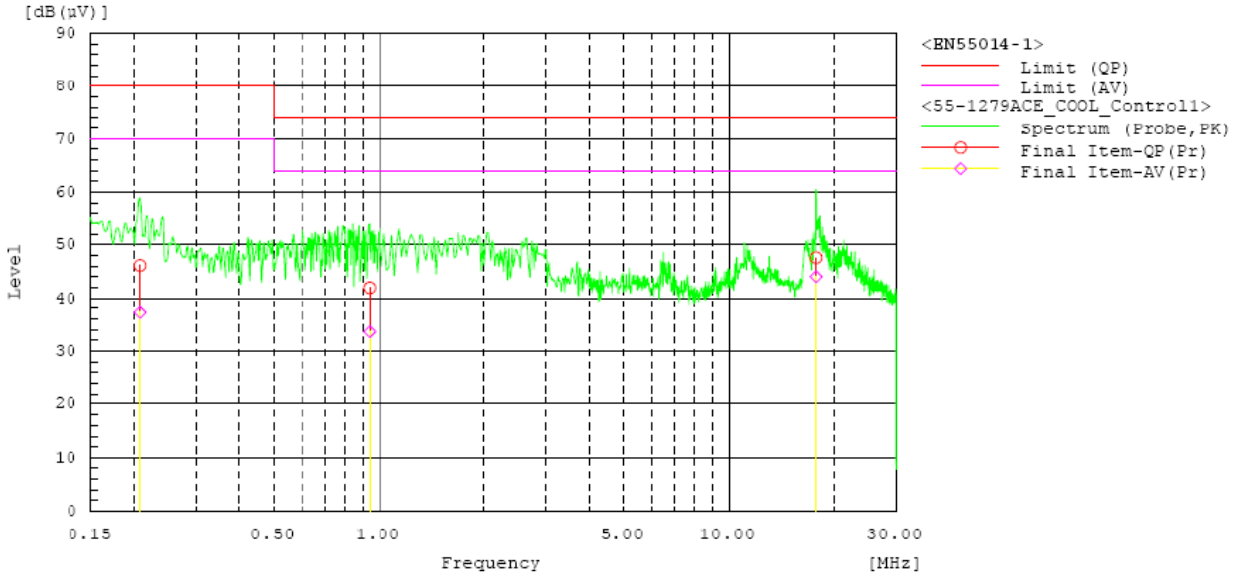
Operation mode B



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15666	44.7	37.9	10.2	54.9	48.1	65.6	58.5	10.7	10.4
2	0.18284	41.3	34.1	10.2	51.5	44.3	64.4	56.9	12.9	12.6
3	0.21232	37.6	30.9	10.2	47.8	41.1	63.1	55.2	15.3	14.1
4	0.38671	29.3	22.8	10.2	39.5	33.0	58.1	48.8	18.6	15.8
5	0.77215	28.8	21.0	10.3	39.1	31.3	56.0	46.0	16.9	14.7
6	11.8412	27.2	21.8	10.9	38.1	32.7	60.0	50.0	21.9	17.3

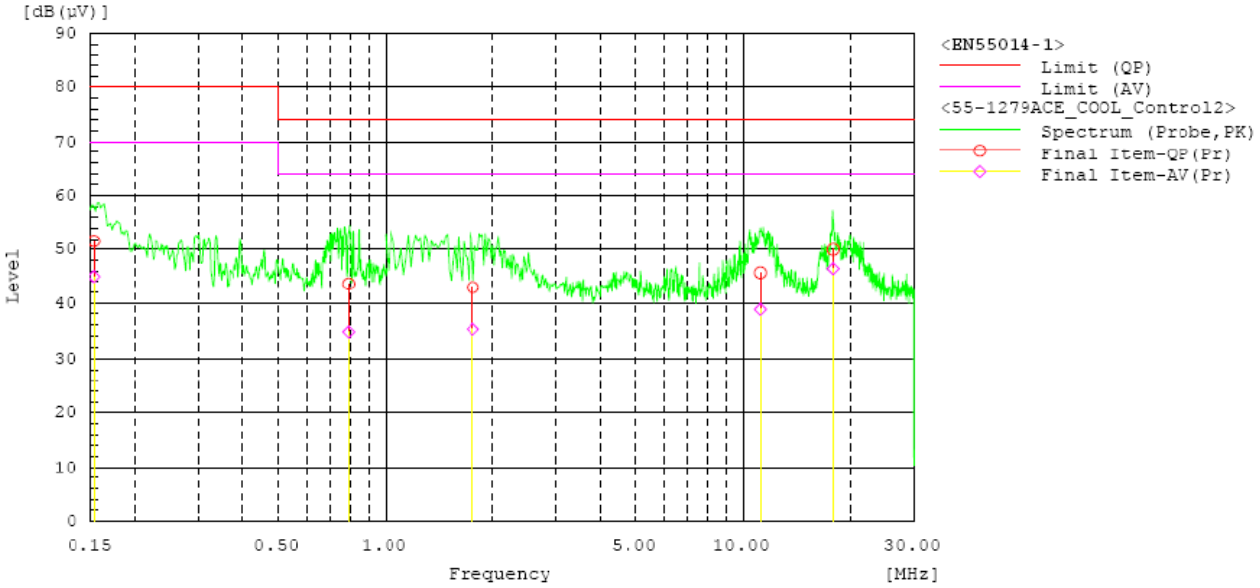
Figure 32: Spectral Diagram, Continuous Disturbance Voltage – Interconnection cable; Operation mode A, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.20695	15.6	6.7	30.5	46.1	37.2	80.0	70.0	33.9	32.8
2	0.93866	11.5	3.2	30.4	41.9	33.6	74.0	64.0	32.1	30.4
3	17.7436	17.0	13.4	30.6	47.6	44.0	74.0	64.0	26.4	20.0

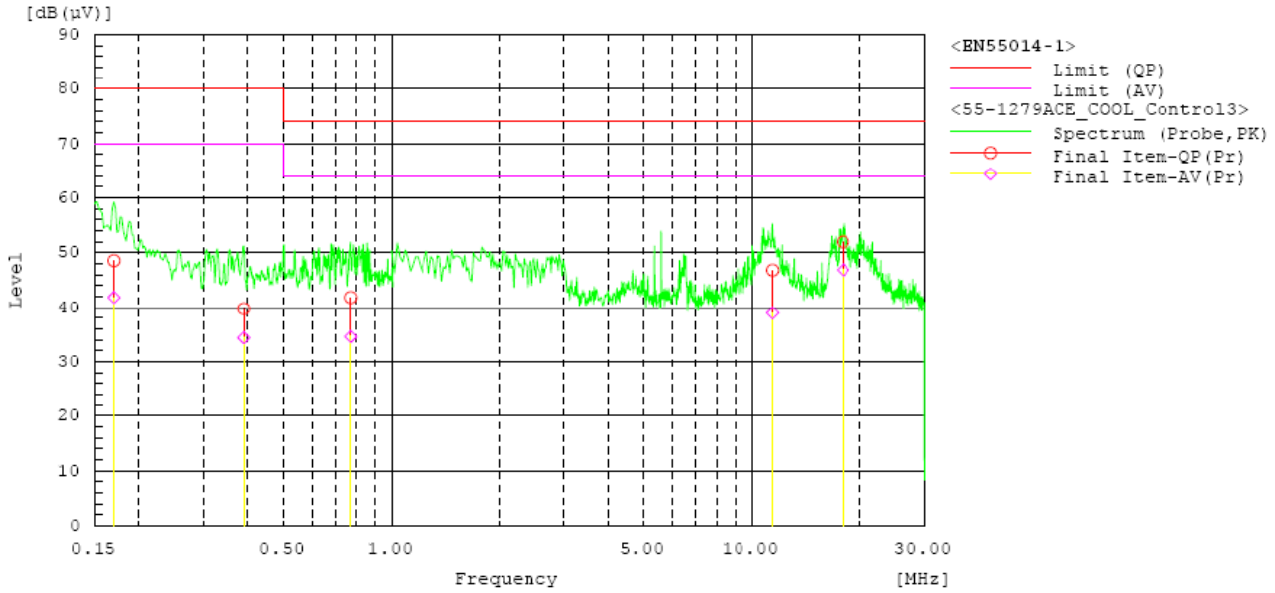
Operation mode A, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15354	21.1	14.5	30.5	51.6	45.0	80.0	70.0	28.4	25.0
2	0.79088	13.2	4.2	30.4	43.6	34.6	74.0	64.0	30.4	29.4
3	1.75672	12.5	4.7	30.4	42.9	35.1	74.0	64.0	31.1	28.9
4	17.8544	19.4	15.8	30.6	50.0	46.4	74.0	64.0	24.0	17.6
5	11.170	15.1	8.2	30.6	45.7	38.8	74.0	64.0	28.3	25.2

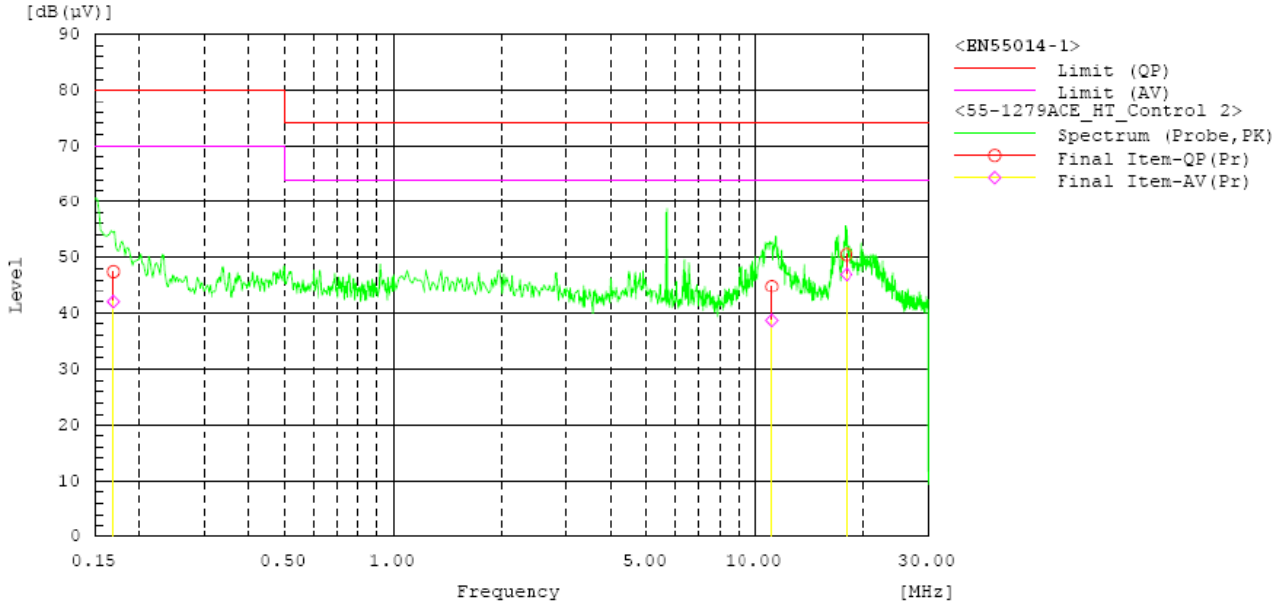
Operation mode A, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.17059	18.0	11.3	30.5	48.5	41.8	80.0	70.0	31.5	28.2
2	0.39035	9.3	4.0	30.4	39.7	34.4	80.0	70.0	40.3	35.6
3	0.77293	11.4	4.2	30.4	41.8	34.6	74.0	64.0	32.2	29.4
4	11.434	16.2	8.3	30.6	46.8	38.9	74.0	64.0	27.2	25.1
5	17.8956	21.3	16.1	30.7	52.0	46.8	74.0	64.0	22.0	17.2

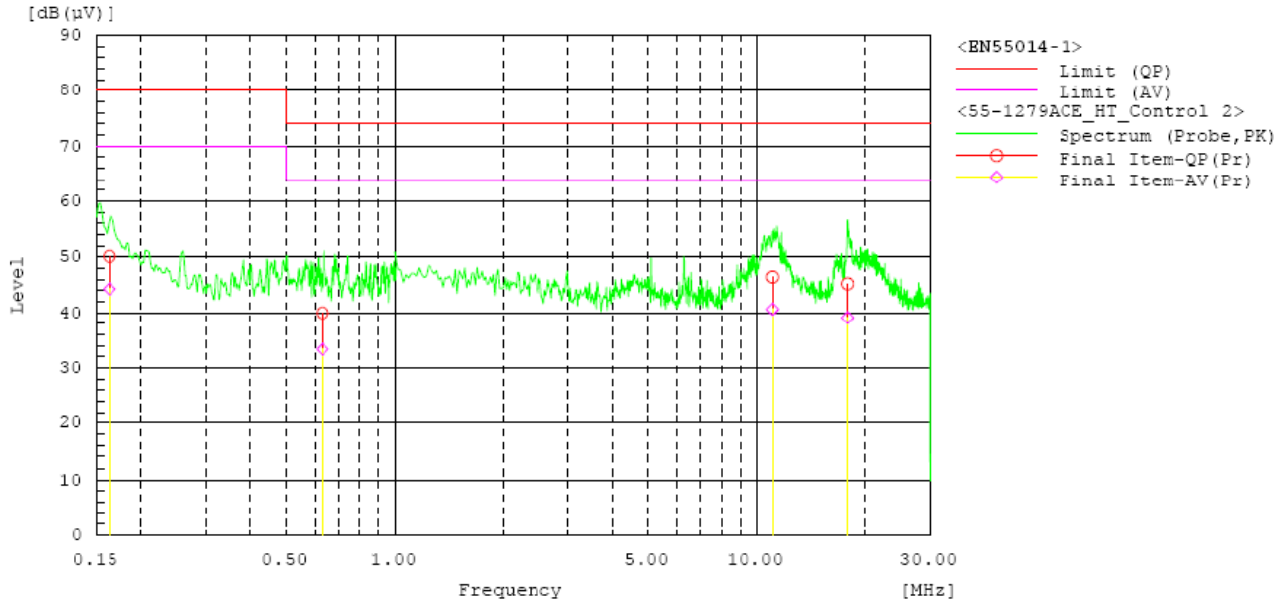
Operation mode B, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16972	17.0	11.4	30.5	47.5	41.9	80.0	70.0	32.5	28.1
2	11.14936	14.2	8.0	30.6	44.8	38.6	74.0	64.0	29.2	25.4
3	17.854	19.9	16.4	30.6	50.5	47.0	74.0	64.0	23.5	17.0

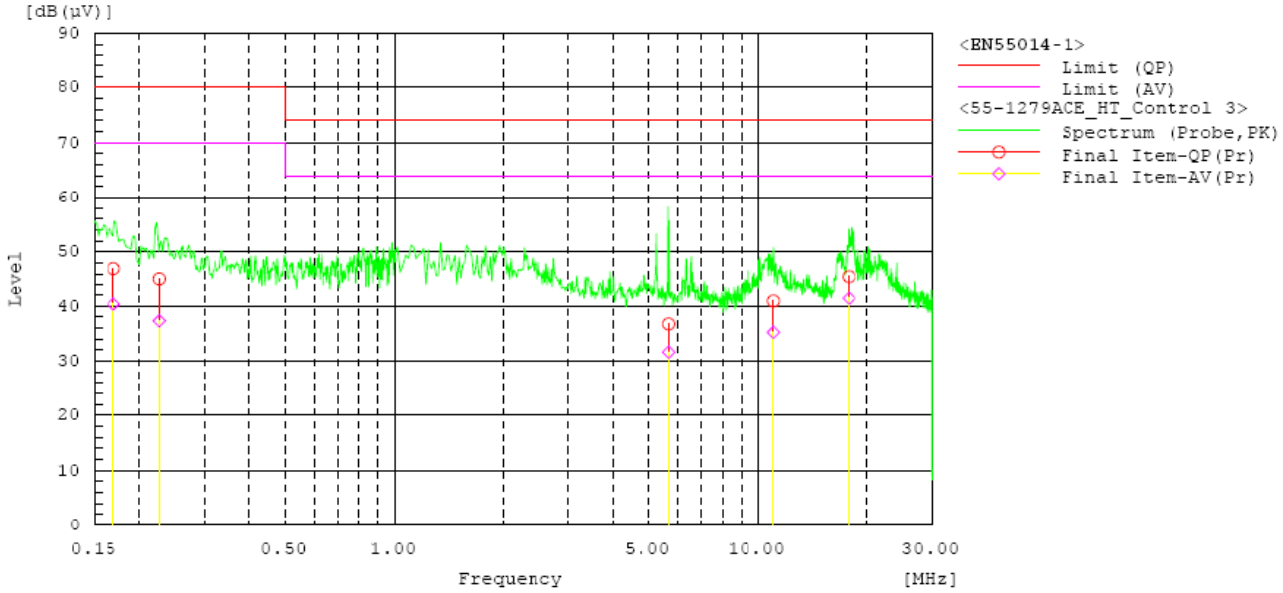
Operation mode B, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16306	19.6	13.8	30.5	50.1	44.3	80.0	70.0	29.9	25.7
2	0.6317	9.5	2.9	30.4	39.9	33.3	74.0	64.0	34.1	30.7
3	17.7428	14.6	8.5	30.6	45.2	39.1	74.0	64.0	28.8	24.9
4	11.0688	15.8	10.0	30.6	46.4	40.6	74.0	64.0	27.6	23.4

Operation mode B, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	17.7424	14.9	10.8	30.6	45.5	41.4	74.0	64.0	28.5	22.6
2	11.0492	10.3	4.6	30.6	40.9	35.2	74.0	64.0	33.1	28.8
3	5.69368	6.3	1.2	30.4	36.7	31.6	74.0	64.0	37.3	32.4
4	0.1695	16.5	9.8	30.5	47.0	40.3	80.0	70.0	33.0	29.7
5	0.22614	14.6	6.8	30.5	45.1	37.3	80.0	70.0	34.9	32.7

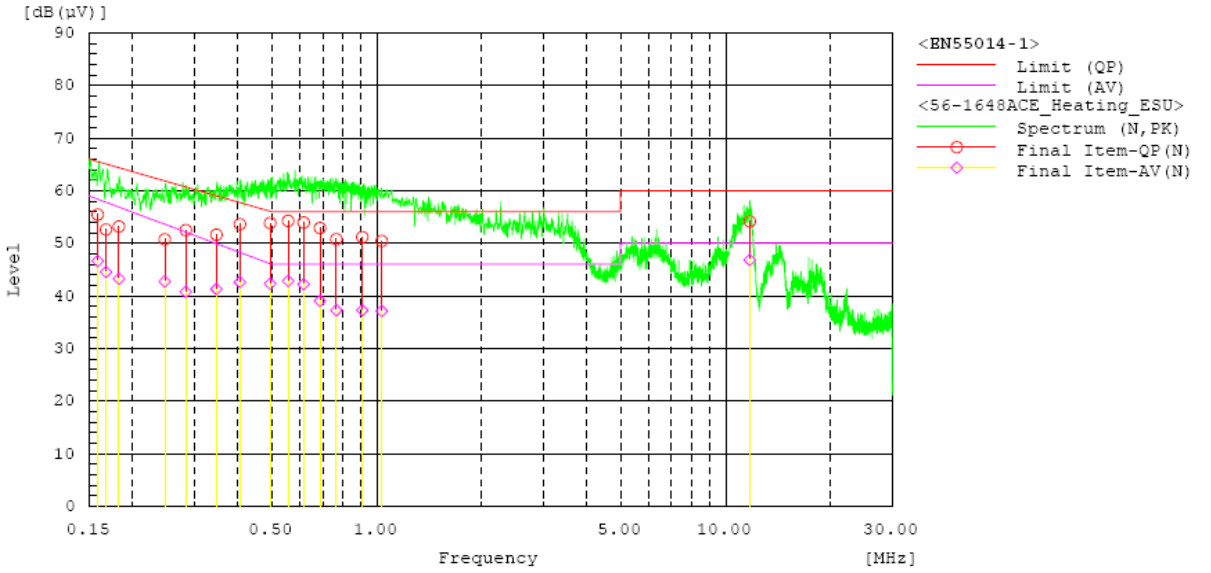
SET UP 11: RAV-RM1401CTP-E/RAV-SM1404ATP-E

Figure 33: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Neutral; Operation mode A

--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15508	45.0	36.3	10.2	55.2	46.5	65.7	58.6	10.5	12.1
2	0.16203	45.6	36.1	10.2	55.8	46.3	65.4	58.2	9.6	11.9
3	0.18917	42.4	31.8	10.2	52.6	42.0	64.1	56.5	11.5	14.5
4	0.23783	42.0	29.6	10.2	52.2	39.8	62.2	54.0	10.0	14.2
5	0.29318	41.0	29.3	10.2	51.2	39.5	60.4	51.8	9.2	12.3
6	0.33478	42.6	29.0	10.2	52.8	39.2	59.3	50.3	6.5	11.1
7	0.37443	42.6	29.6	10.2	52.8	39.8	58.4	49.1	5.6	9.3
8	0.41825	41.6	29.2	10.2	51.8	39.4	57.5	47.9	5.7	8.5
9	0.46216	43.7	30.5	10.2	53.9	40.7	56.7	46.8	2.8	6.1
10	0.49786	44.0	30.1	10.2	54.2	40.3	56.0	46.0	1.8	5.7
11	0.54214	43.1	29.9	10.2	53.3	40.1	56.0	46.0	2.7	5.9
12	0.60083	43.5	29.6	10.2	53.7	39.8	56.0	46.0	2.3	6.2
13	0.63825	42.7	29.1	10.2	52.9	39.3	56.0	46.0	3.1	6.7
14	0.69322	42.4	28.3	10.2	52.6	38.5	56.0	46.0	3.4	7.5
15	0.79639	41.0	26.0	10.2	51.2	36.2	56.0	46.0	4.8	9.8
16	0.98788	39.8	25.6	10.2	50.0	35.8	56.0	46.0	6.0	10.2
17	11.69599	42.6	35.8	10.7	53.3	46.5	60.0	50.0	6.7	3.5
18	3.18987	36.8	27.3	10.3	47.1	37.6	56.0	46.0	8.9	8.4

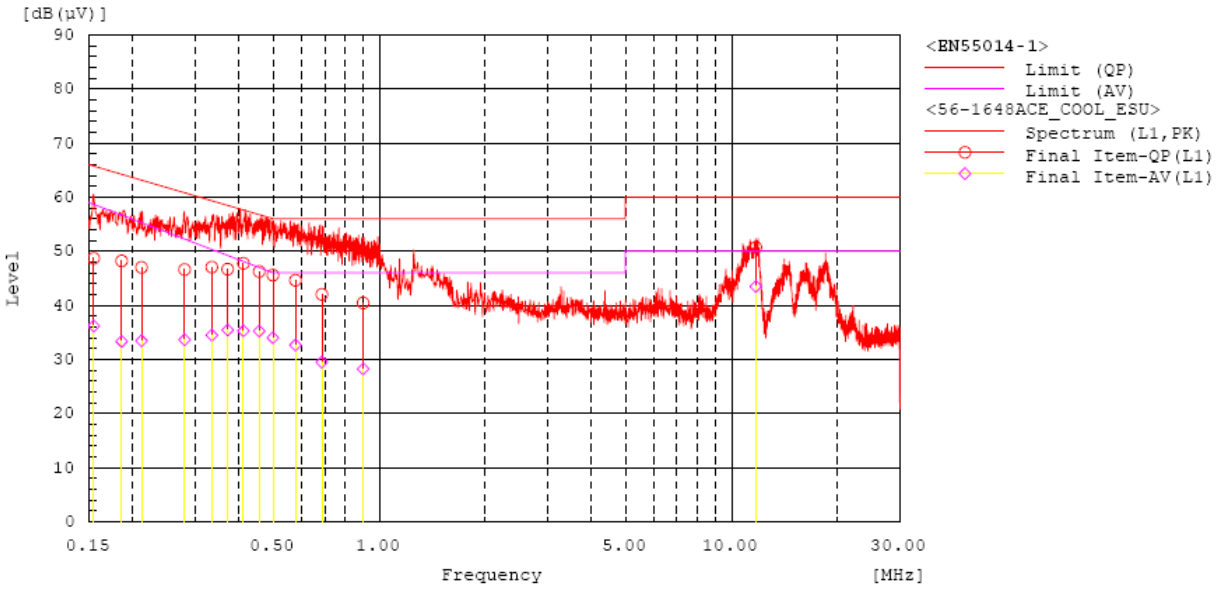
Operation mode B



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15863	45.2	36.4	10.2	55.4	46.6	65.5	58.4	10.1	11.8
2	0.16759	42.4	34.4	10.2	52.6	44.6	65.1	57.8	12.5	13.2
3	0.18251	43.0	33.0	10.2	53.2	43.2	64.4	56.9	11.2	13.7
4	0.24684	40.5	32.5	10.2	50.7	42.7	61.9	53.6	11.2	10.9
5	0.28374	42.3	30.6	10.2	52.5	40.8	60.7	52.1	8.2	11.3
6	0.34742	41.4	31.1	10.2	51.6	41.3	59.0	49.9	7.4	8.6
7	0.40549	43.4	32.4	10.2	53.6	42.6	57.7	48.3	4.1	5.7
8	0.5577	44.1	32.6	10.2	54.3	42.8	56.0	46.0	1.7	3.2
9	0.61728	43.7	32.0	10.2	53.9	42.2	56.0	46.0	2.1	3.8
10	0.49494	43.7	32.1	10.2	53.9	42.3	56.1	46.1	2.2	3.8
11	0.68774	42.7	28.8	10.2	52.9	39.0	56.0	46.0	3.1	7.0
12	0.76592	40.6	27.0	10.2	50.8	37.2	56.0	46.0	5.2	8.8
13	0.90934	41.0	27.1	10.2	51.2	37.3	56.0	46.0	4.8	8.7
14	1.03365	40.2	26.9	10.2	50.4	37.1	56.0	46.0	5.6	8.9
15	11.73238	43.5	36.1	10.7	54.2	46.8	60.0	50.0	5.8	3.2

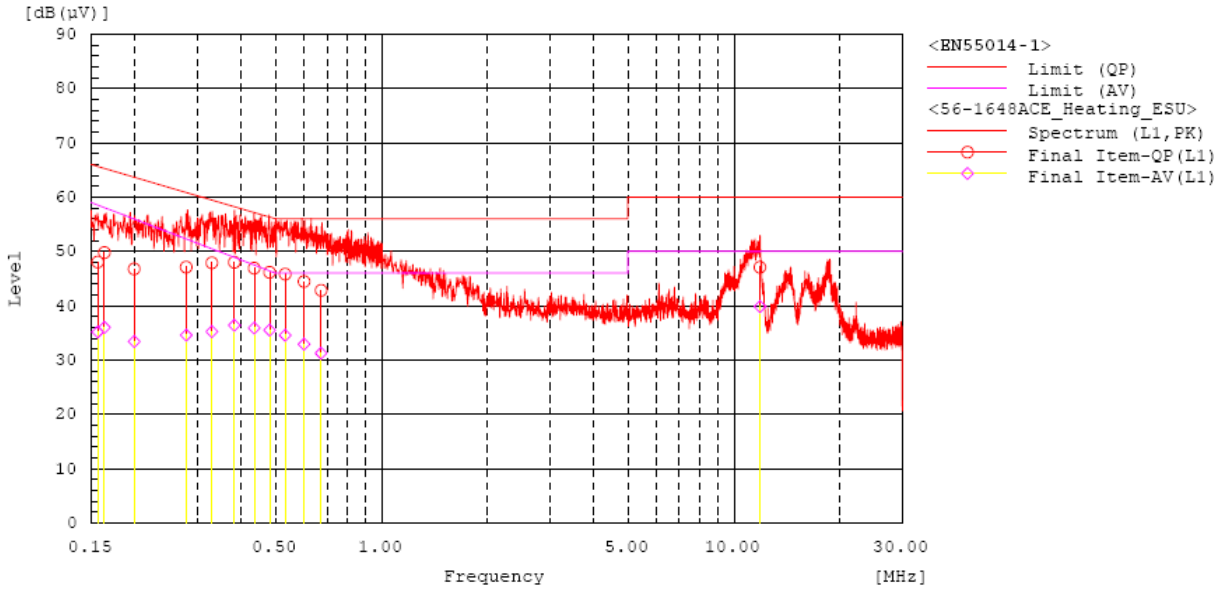
Figure 34: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Line; Operation mode A



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15476	38.5	26.0	10.2	48.7	36.2	65.7	58.7	17.0	22.5
2	0.18571	38.0	23.1	10.2	48.2	33.3	64.2	56.7	16.0	23.4
3	0.21151	36.8	23.2	10.2	47.0	33.4	63.1	55.3	16.1	21.9
4	0.28035	36.4	23.4	10.2	46.6	33.6	60.8	52.2	14.2	18.6
5	0.33471	36.9	24.3	10.2	47.1	34.5	59.3	50.3	12.2	15.8
6	0.3713	36.5	25.2	10.2	46.7	35.4	58.5	49.2	11.8	13.8
7	0.41171	37.6	25.1	10.2	47.8	35.3	57.6	48.1	9.8	12.8
8	0.45639	36.0	25.0	10.2	46.2	35.2	56.8	47.0	10.6	11.8
9	0.49905	35.4	23.8	10.2	45.6	34.0	56.0	46.0	10.4	12.0
10	0.57828	34.4	22.4	10.2	44.6	32.6	56.0	46.0	11.4	13.4
11	0.68716	31.8	19.3	10.2	42.0	29.5	56.0	46.0	14.0	16.5
12	0.90007	30.2	18.0	10.2	40.4	28.2	56.0	46.0	15.6	17.8
13	11.71635	40.2	33.0	10.5	50.7	43.5	60.0	50.0	9.3	6.5

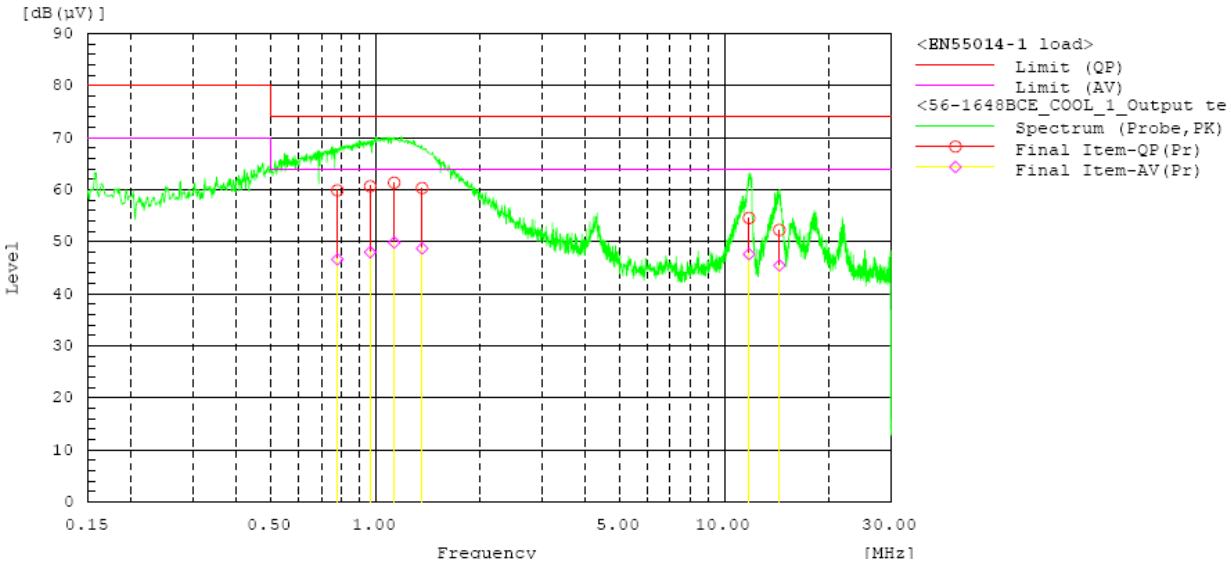
Operation mode B



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16354	39.6	25.8	10.2	49.8	36.0	65.3	58.1	15.5	22.1
2	0.15655	37.8	25.0	10.2	48.0	35.2	65.6	58.5	17.6	23.3
3	0.19861	36.6	23.2	10.2	46.8	33.4	63.7	56.0	16.9	22.6
4	0.27913	36.9	24.4	10.2	47.1	34.6	60.8	52.3	13.7	17.7
5	0.33007	37.7	25.0	10.2	47.9	35.2	59.4	50.5	11.5	15.3
6	0.38205	37.8	26.2	10.2	48.0	36.4	58.2	48.9	10.2	12.5
7	0.43491	36.7	25.7	10.2	46.9	35.9	57.2	47.5	10.3	11.6
8	0.48112	35.9	25.3	10.2	46.1	35.5	56.3	46.4	10.2	10.9
9	0.5327	35.6	24.4	10.2	45.8	34.6	56.0	46.0	10.2	11.4
10	0.60292	34.3	22.7	10.2	44.5	32.9	56.0	46.0	11.5	13.1
11	0.67347	32.6	21.0	10.2	42.8	31.2	56.0	46.0	13.2	14.8
12	11.84375	36.6	29.3	10.5	47.1	39.8	60.0	50.0	12.9	10.2

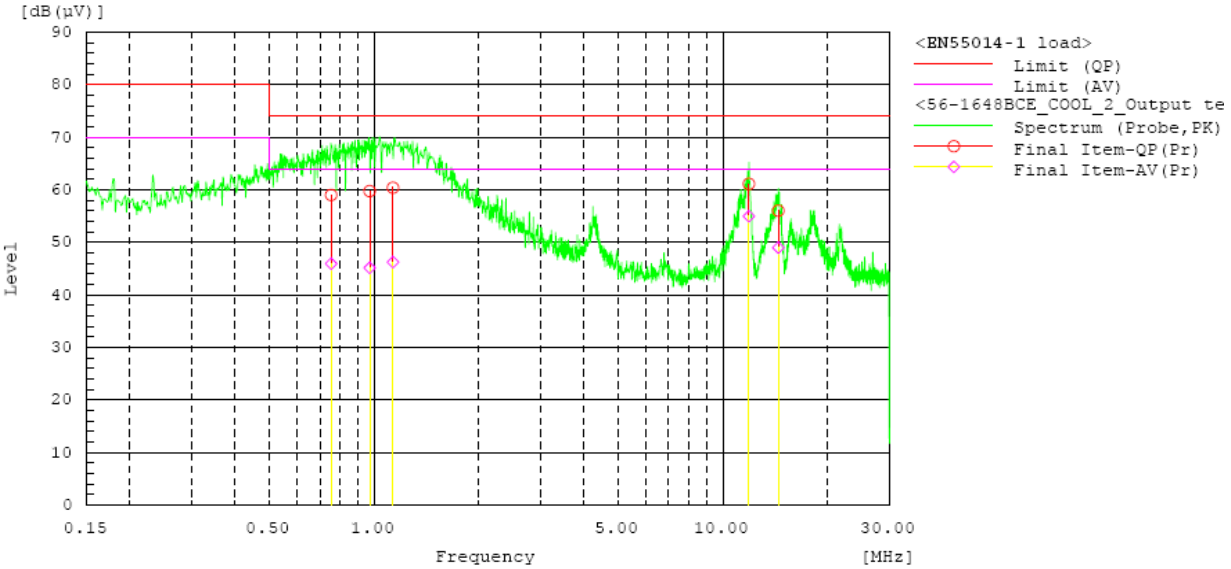
Figure 35: Spectral Diagram, Continuous Disturbance Voltage – Interconnection cable; Operation mode A, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.77877	29.5	16.2	30.4	59.9	46.6	74.0	64.0	14.1	17.4
2	0.96663	30.2	17.6	30.4	60.6	48.0	74.0	64.0	13.4	16.0
3	1.13276	30.9	19.4	30.4	61.3	49.8	74.0	64.0	12.7	14.2
4	1.36199	29.9	18.3	30.4	60.3	48.7	74.0	64.0	13.7	15.3
5	11.77613	23.9	17.0	30.6	54.5	47.6	74.0	64.0	19.5	16.4
6	14.38509	21.7	14.8	30.6	52.3	45.4	74.0	64.0	21.7	18.6

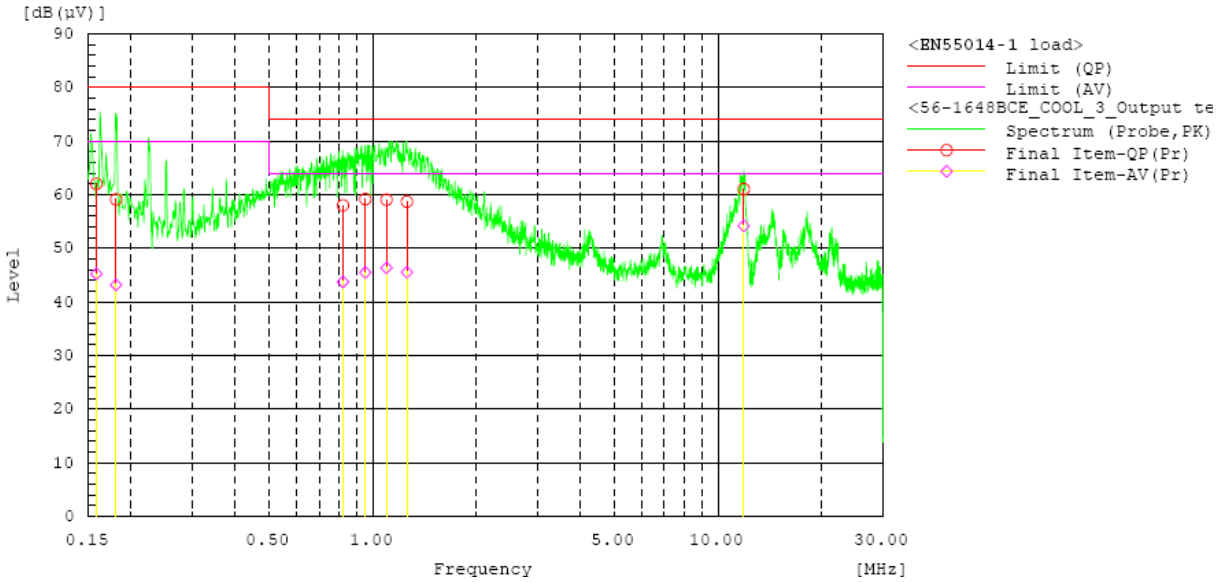
Operation mode A, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.75434	28.6	15.5	30.4	59.0	45.9	74.0	64.0	15.0	18.1
2	0.9728	29.3	14.7	30.4	59.7	45.1	74.0	64.0	14.3	18.9
3	1.13487	30.0	15.8	30.4	60.4	46.2	74.0	64.0	13.6	17.8
4	11.8915	30.5	24.4	30.6	61.1	55.0	74.0	64.0	12.9	9.0
5	14.4391	25.4	18.4	30.6	56.0	49.0	74.0	64.0	18.0	15.0

Operation mode A, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15855	31.5	14.7	30.5	62.0	45.2	80.0	70.0	18.0	24.8
2	0.18087	28.6	12.7	30.5	59.1	43.2	80.0	70.0	20.9	26.8
3	0.82101	27.6	13.3	30.4	58.0	43.7	74.0	64.0	16.0	20.3
4	0.95268	28.8	15.0	30.4	59.2	45.4	74.0	64.0	14.8	18.6
5	1.09756	28.6	15.9	30.4	59.0	46.3	74.0	64.0	15.0	17.7
6	1.25801	28.3	15.1	30.4	58.7	45.5	74.0	64.0	15.3	18.5
7	11.89118	30.4	23.6	30.6	61.0	54.2	74.0	64.0	13.0	9.8

Operation mode A, Interconnection cable E (Outdoor side)

--- Probe Phase ---

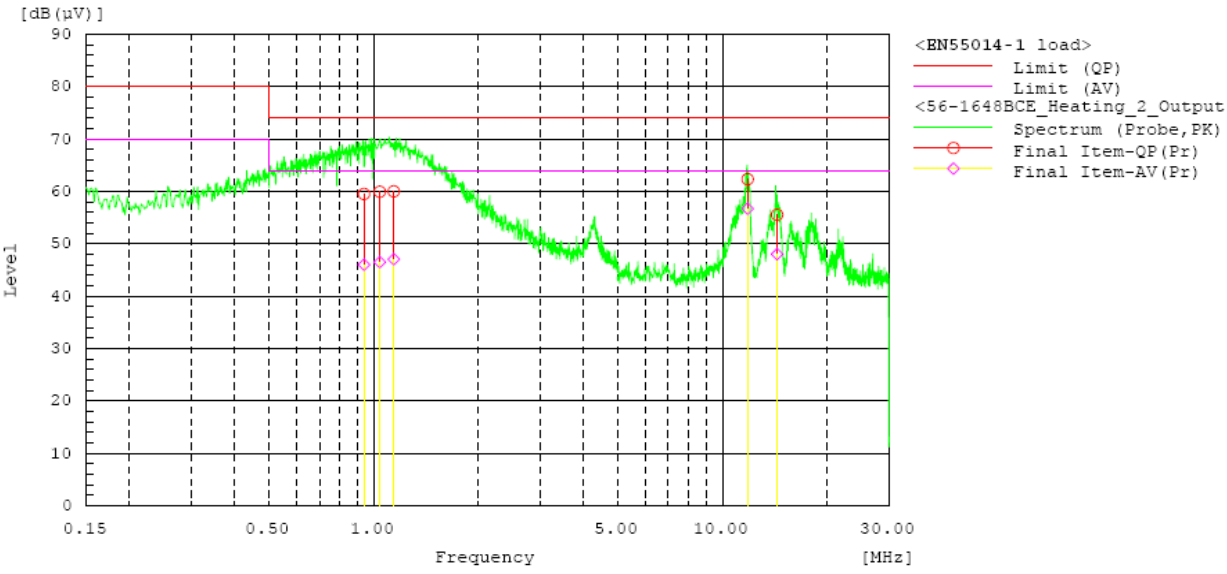
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	9.26859	24.4	17.9	30.6	55.0	48.5	74.0	64.0	19.0	15.5
2	11.03445	24.3	16.7	30.6	54.9	47.3	74.0	64.0	19.1	16.7

Operation mode B, Interconnection cable 1 (Outdoor side)

--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.95166	29.3	16.7	30.4	59.7	47.1	74.0	64.0	14.3	16.9
2	1.10205	30.1	17.8	30.4	60.5	48.2	74.0	64.0	13.5	15.8
3	1.18359	29.5	16.8	30.4	59.9	47.2	74.0	64.0	14.1	16.8
4	11.850	31.7	28.9	30.6	62.3	59.5	74.0	64.0	11.7	4.5
5	14.34087	25.4	18.0	30.6	56.0	48.6	74.0	64.0	18.0	15.4

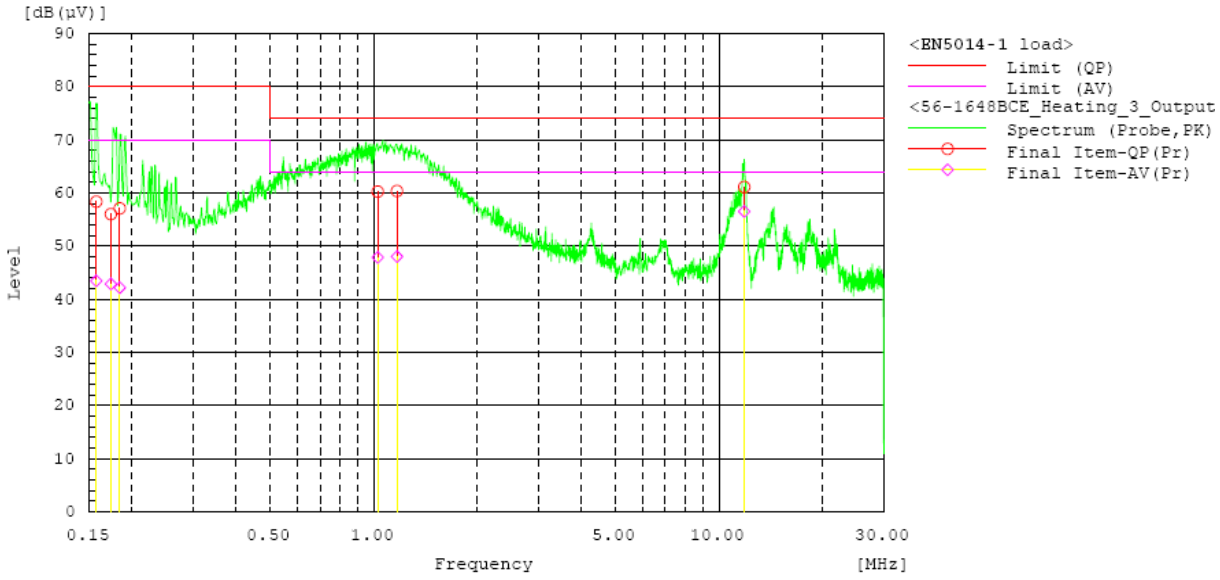
Operation mode B, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.93952	29.1	15.6	30.4	59.5	46.0	74.0	64.0	14.5	18.0
2	1.04269	29.5	16.1	30.4	59.9	46.5	74.0	64.0	14.1	17.5
3	1.1432	29.6	16.6	30.4	60.0	47.0	74.0	64.0	14.0	17.0
4	11.81618	31.7	26.1	30.6	62.3	56.7	74.0	64.0	11.7	7.3
5	14.35673	24.9	17.4	30.6	55.5	48.0	74.0	64.0	18.5	16.0

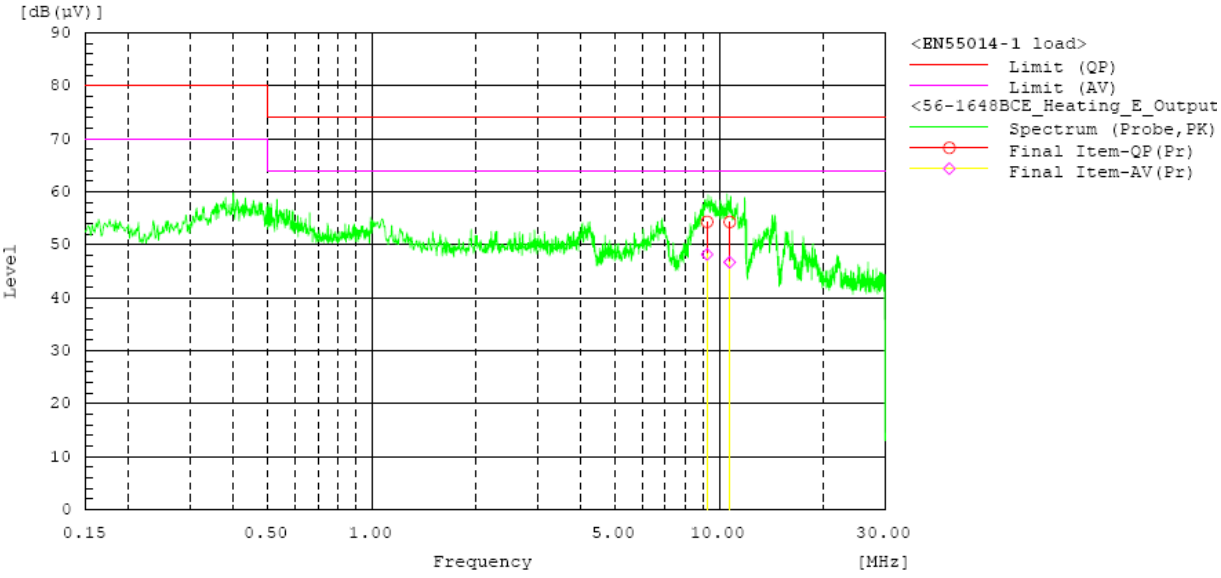
Operation mode B, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	1.0282	29.8	17.4	30.4	60.2	47.8	74.0	64.0	13.8	16.2
2	1.16949	30.0	17.6	30.4	60.4	48.0	74.0	64.0	13.6	16.0
3	11.84983	30.5	25.9	30.6	61.1	56.5	74.0	64.0	12.9	7.5
4	0.15753	27.9	13.0	30.5	58.4	43.5	80.0	70.0	21.6	26.5
5	0.17357	25.5	12.3	30.5	56.0	42.8	80.0	70.0	24.0	27.2
6	0.18425	26.6	11.7	30.5	57.1	42.2	80.0	70.0	22.9	27.8

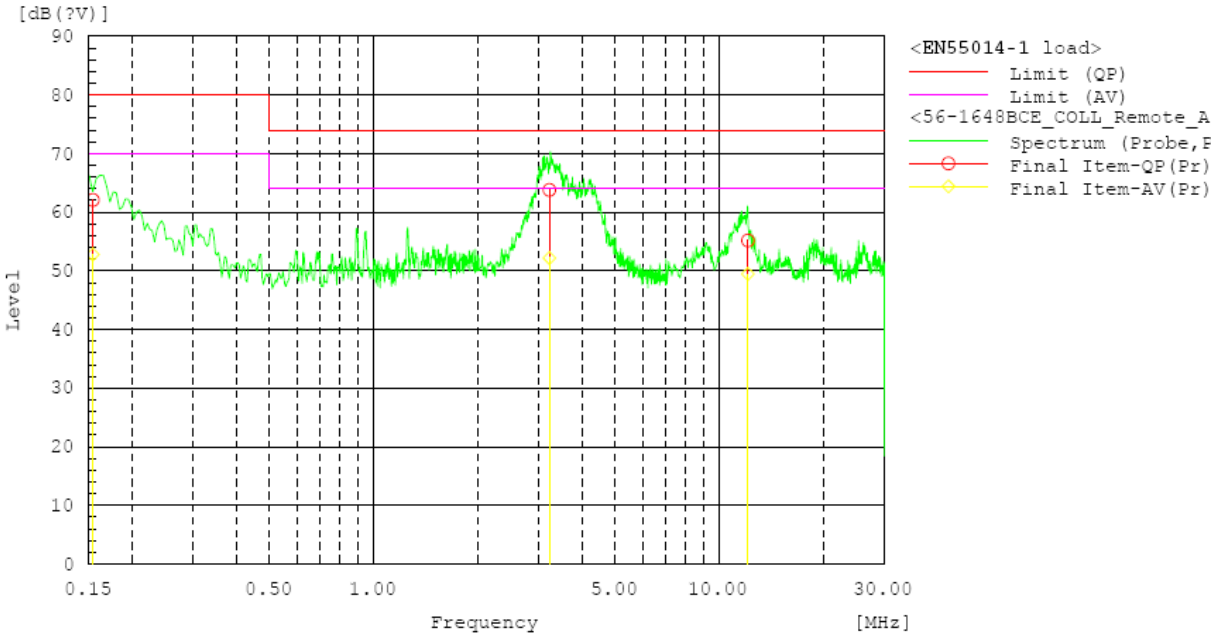
Operation mode B, Interconnection cable E (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	9.23894	23.7	17.6	30.6	54.3	48.2	74.0	64.0	19.7	15.8
2	10.72837	23.7	16.1	30.6	54.3	46.7	74.0	64.0	19.7	17.3

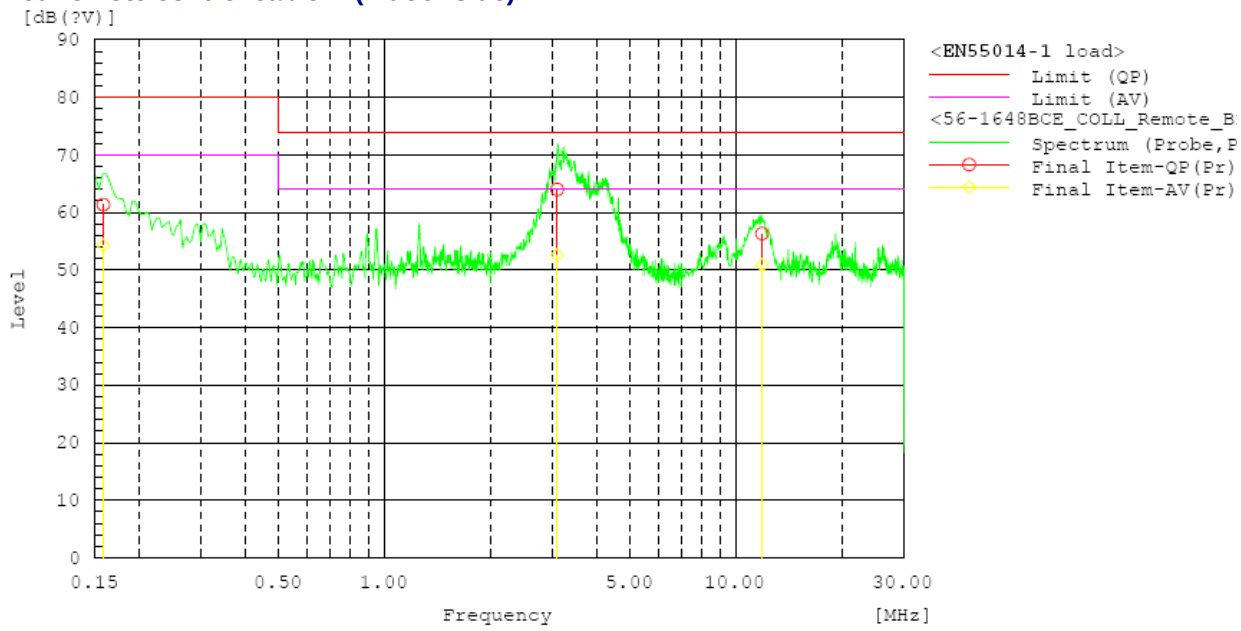
Figure 36: Spectral Diagram, Continuous Disturbance Voltage – Wired remote control cable; Operation mode A, Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15396	31.6	22.3	30.5	62.1	52.8	80.0	70.0	17.9	17.2
2	3.221	33.4	21.8	30.4	63.8	52.2	74.0	64.0	10.2	11.8
3	12.10048	24.6	18.9	30.6	55.2	49.5	74.0	64.0	18.8	14.5

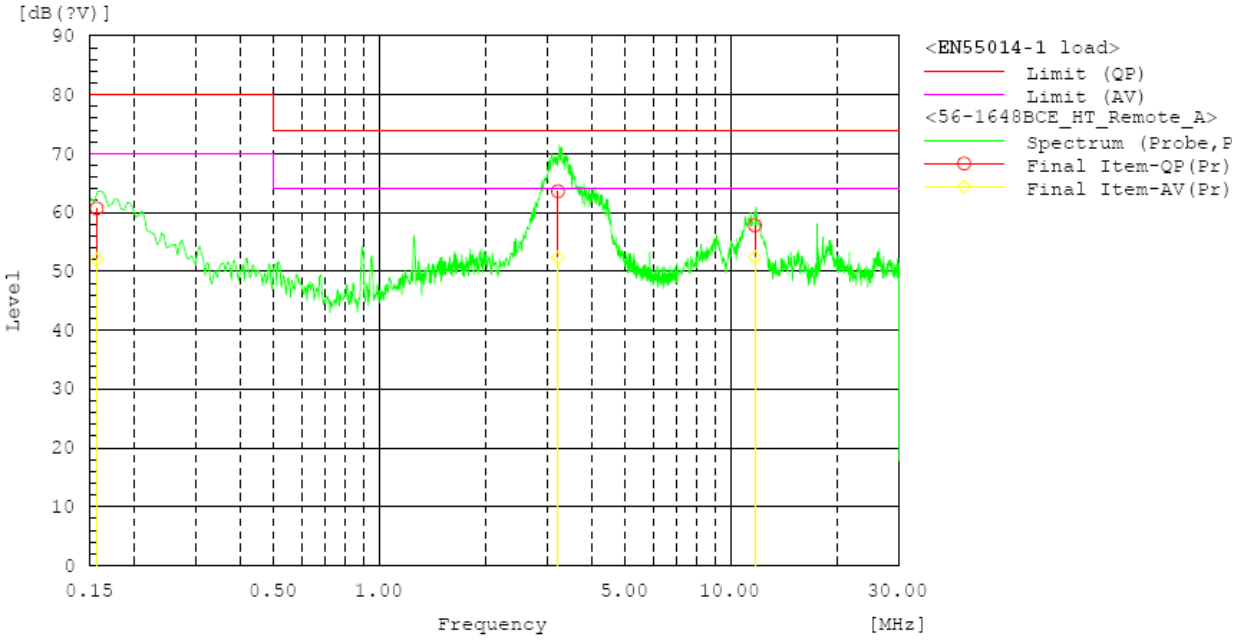
Wired remote control cable B (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15814	30.9	23.8	30.5	61.4	54.3	80.0	70.0	18.6	15.7
2	11.84104	25.7	20.3	30.6	56.3	50.9	74.0	64.0	17.7	13.1
3	3.095	33.6	22.2	30.4	64.0	52.6	74.0	64.0	10.0	11.4

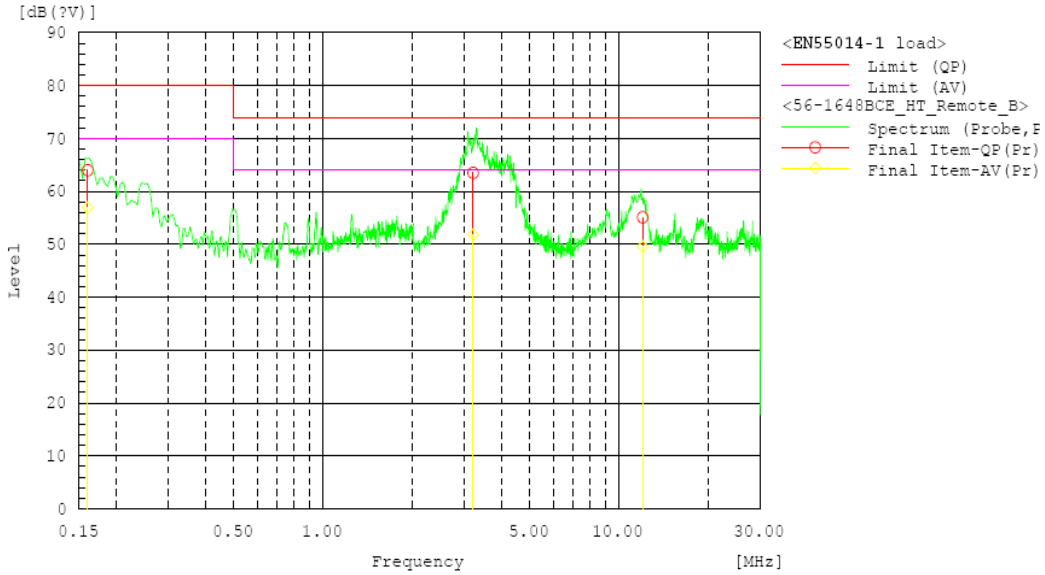
Operation mode B,
Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.15644	30.2	21.5	30.5	60.7	52.0	80.0	70.0	19.3	18.0
2	3.214	33.2	21.9	30.4	63.6	52.3	74.0	64.0	10.4	11.7
3	11.68096	27.2	21.8	30.6	57.8	52.4	74.0	64.0	16.2	11.6

Wired remote control cable B (Indoor side)

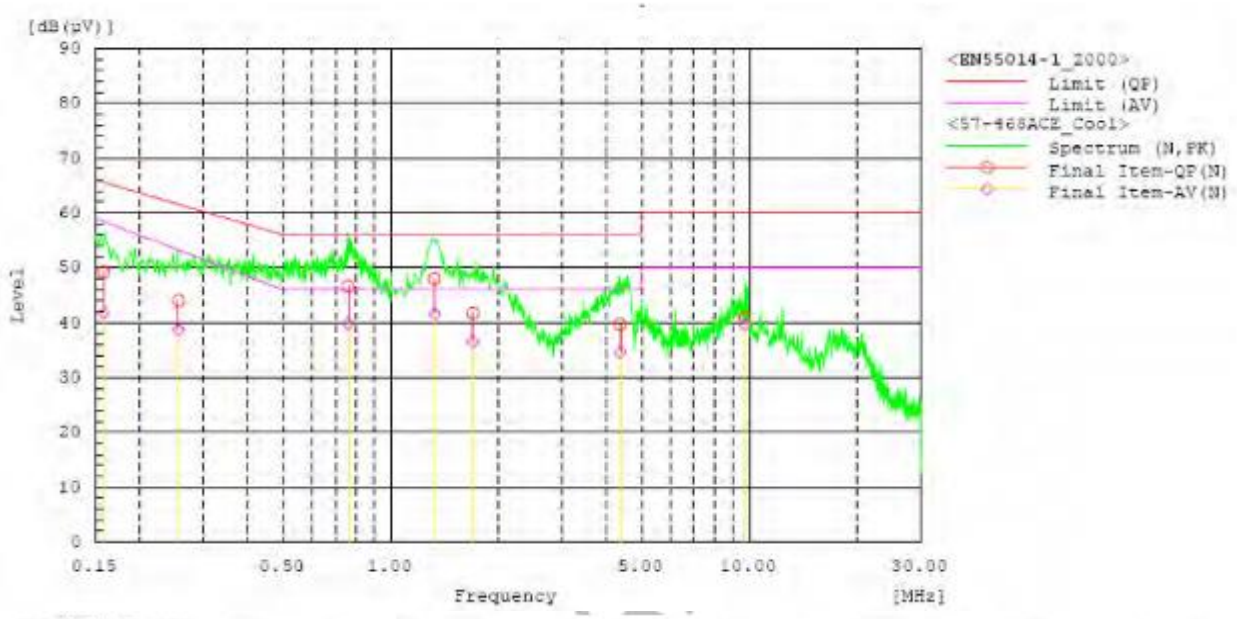


--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(?V)]	Reading CAV [dB(?V)]	c.f [dB]	Result QP [dB(?V)]	Result CAV [dB(?V)]	Limit QP [dB(?V)]	Limit AV [dB(?V)]	Margin QP [dB]	Margin CAV [dB]
1	0.16025	33.5	26.5	30.5	64.0	57.0	80.0	70.0	16.0	13.0
2	12.02228	24.5	19.0	30.6	55.1	49.6	74.0	64.0	18.9	14.4
3	3.213	33.1	21.4	30.4	63.5	51.8	74.0	64.0	10.5	12.2

SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E

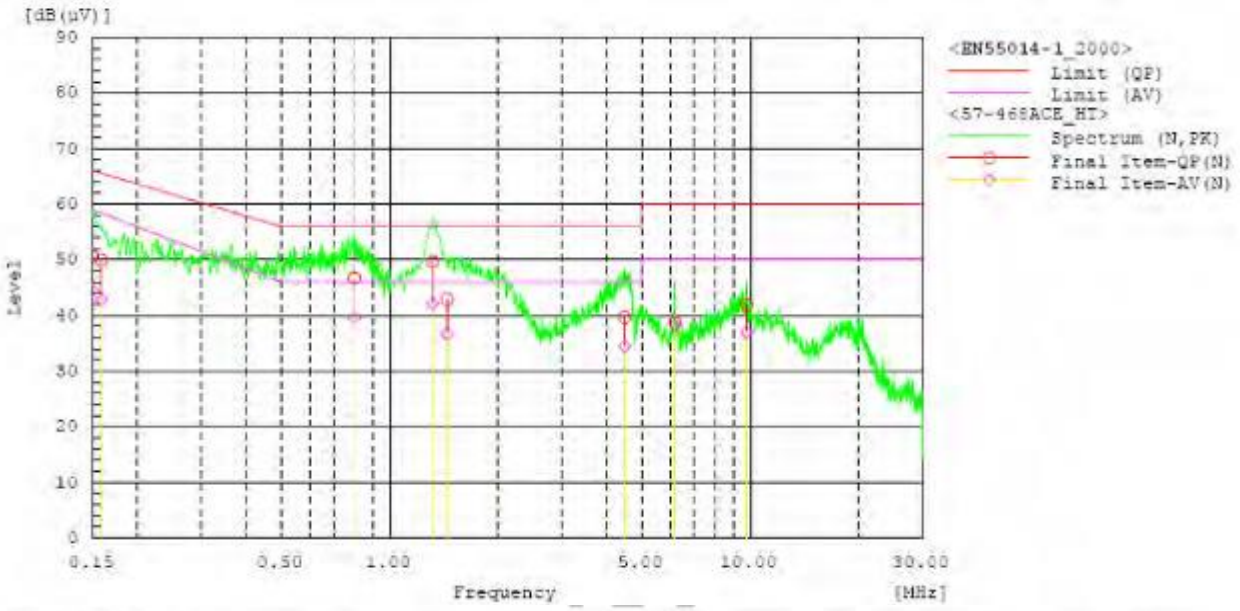
Figure 37: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Neutral; Operation mode A



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15804	39.0	31.6	10.2	49.2	41.9	65.6	58.4	16.4	16.6
2	0.25599	33.8	28.5	10.2	44.0	38.7	61.6	53.2	17.6	14.5
3	0.76077	36.4	29.6	10.2	46.6	39.8	56.0	46.0	9.4	6.2
4	1.32344	37.7	31.2	10.3	48.0	41.5	56.0	46.0	8.0	4.5
5	1.69168	31.4	26.2	10.3	41.7	36.5	56.0	46.0	14.3	9.5
6	4.35688	29.3	24.1	10.4	39.7	34.5	56.0	46.0	16.3	11.5
7	9.6917	30.3	29.0	10.6	40.9	39.6	60.0	50.0	19.1	10.4

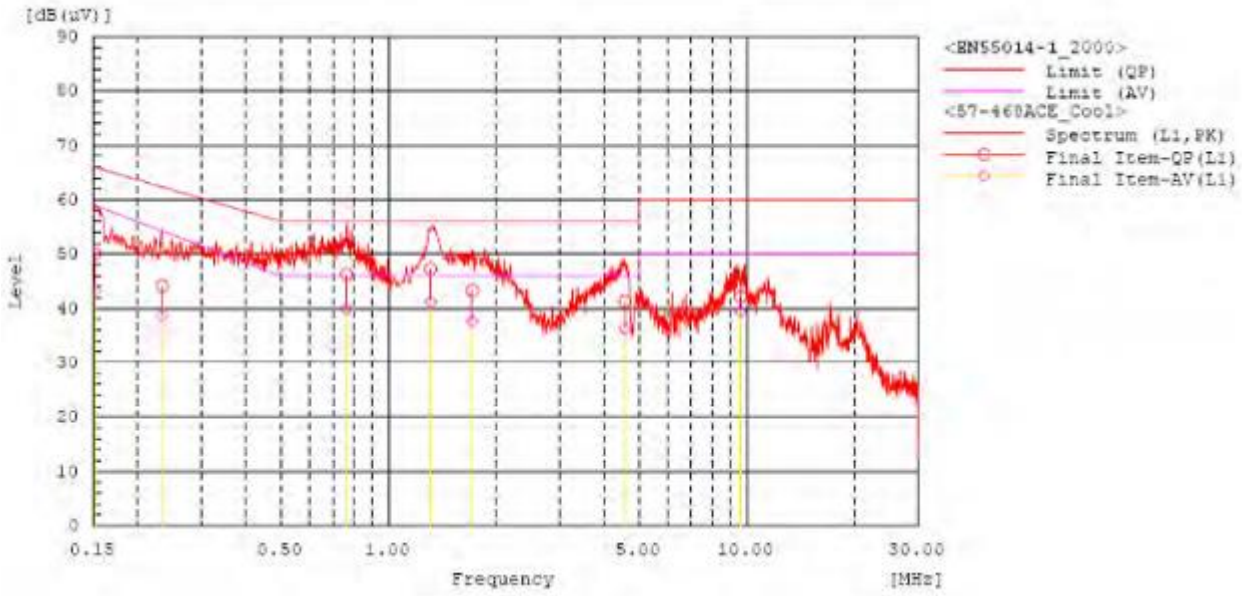
Operation mode B



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15001	40.5	34.3	10.2	50.7	44.5	66.0	59.0	15.3	14.5
2	0.15889	39.7	32.7	10.2	49.9	42.9	65.5	58.4	15.6	15.5
3	0.79807	36.5	29.4	10.2	46.7	39.6	56.0	46.0	9.3	6.4
4	1.3176	39.4	31.8	10.3	49.7	42.1	56.0	46.0	6.3	3.9
5	1.44264	32.6	26.4	10.3	42.9	36.7	56.0	46.0	13.1	9.3
6	4.4868	29.3	24.0	10.4	39.7	34.4	56.0	46.0	16.3	11.6
7	6.1945	28.1	27.8	10.5	38.6	38.3	60.0	50.0	21.4	11.7
8	9.786	31.4	26.3	10.6	42.0	36.9	60.0	50.0	18.0	13.1

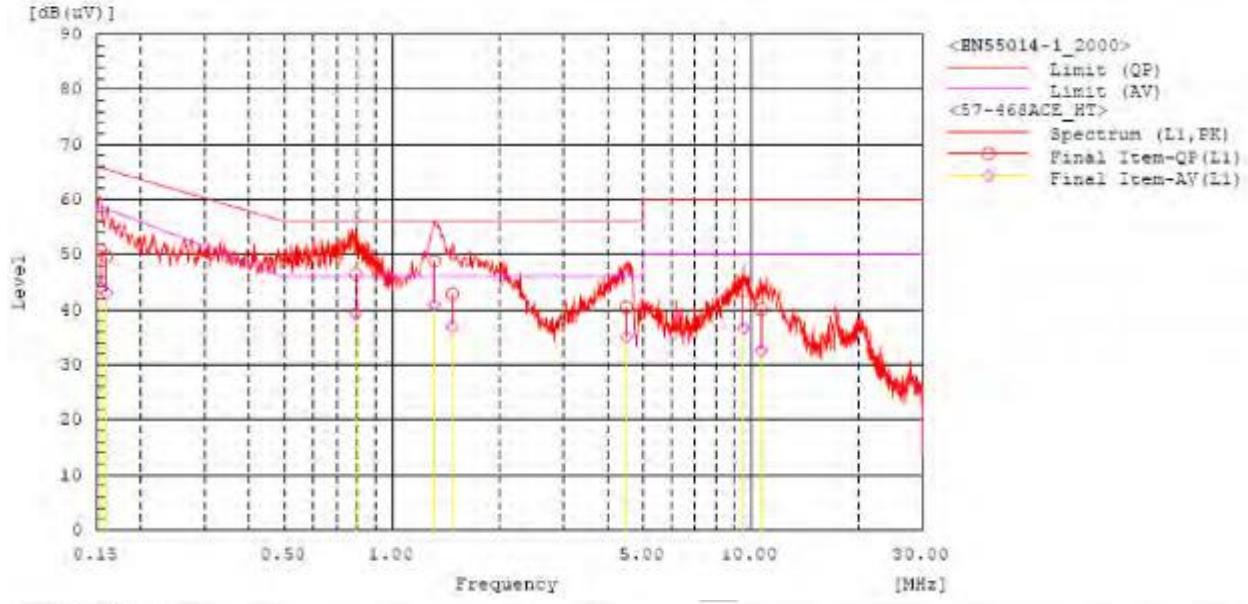
Figure 38: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Line; Operation mode A



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15139	39.9	33.0	10.2	50.1	43.2	65.9	55.9	15.8	15.7
2	0.23359	33.9	28.5	10.2	44.1	38.7	62.3	54.2	18.2	15.5
3	0.76422	36.1	29.7	10.2	46.3	39.9	56.0	46.0	9.7	6.1
4	1.31056	37.0	30.8	10.3	47.3	41.1	56.0	46.0	8.7	4.9
5	1.71328	33.0	27.3	10.3	43.3	37.6	56.0	46.0	12.7	8.4
6	4.56792	30.9	25.9	10.4	41.3	36.3	56.0	46.0	14.7	9.7
7	9.6082	31.5	28.8	10.6	42.1	39.4	60.0	50.0	17.9	10.6

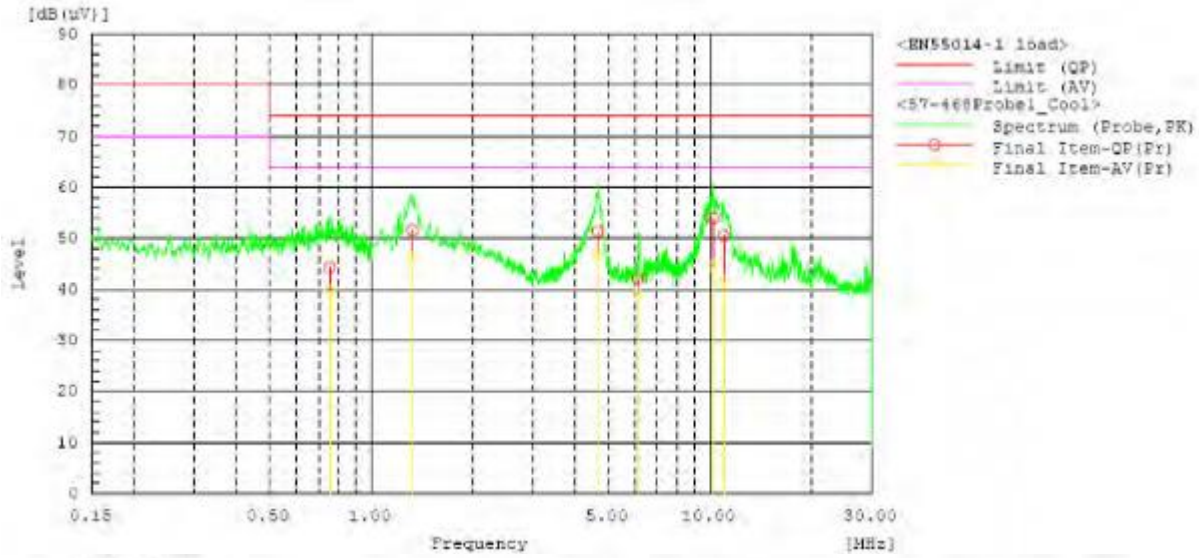
Operation mode B



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.154	40.6	33.8	10.2	50.8	44.0	65.8	58.7	15.0	14.7
2	0.16023	39.5	32.7	10.2	49.7	42.9	65.5	58.3	15.8	15.4
3	0.79309	36.1	29.1	10.2	46.3	39.3	56.0	46.0	9.7	6.7
4	1.31208	38.5	30.6	10.3	48.8	40.9	56.0	46.0	7.2	5.1
5	1.4736	32.5	26.5	10.3	42.8	36.9	56.0	46.0	13.2	9.1
6	4.49952	30.0	24.6	10.4	40.4	35.0	56.0	46.0	15.6	11.0
7	9.5258	32.8	26.0	10.6	43.4	36.6	60.0	50.0	16.6	13.4
8	10.6872	29.5	21.9	10.6	40.1	32.5	60.0	50.0	19.9	17.5

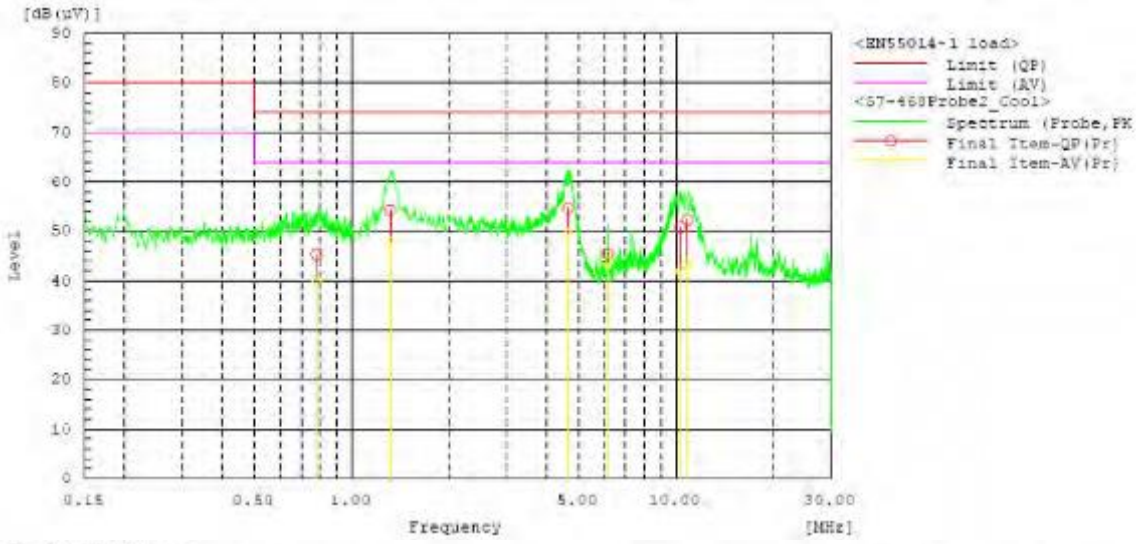
Figure 39: Spectral Diagram, Continuous Disturbance Voltage – Interconnection cable; Operation mode A, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.75301	13.9	9.3	30.4	44.3	39.7	74.0	64.0	29.7	24.3
2	1.32456	21.2	15.7	30.4	51.6	46.1	74.0	64.0	22.4	17.9
3	4.66016	20.9	16.2	30.4	51.3	46.6	74.0	64.0	22.7	17.4
4	6.1373	11.8	8.6	30.4	42.2	39.0	74.0	64.0	31.8	25.0
5	10.202	23.4	14.0	30.6	54.0	44.6	74.0	64.0	20.0	19.4
6	10.980	19.9	10.8	30.6	50.5	41.4	74.0	64.0	23.5	22.6

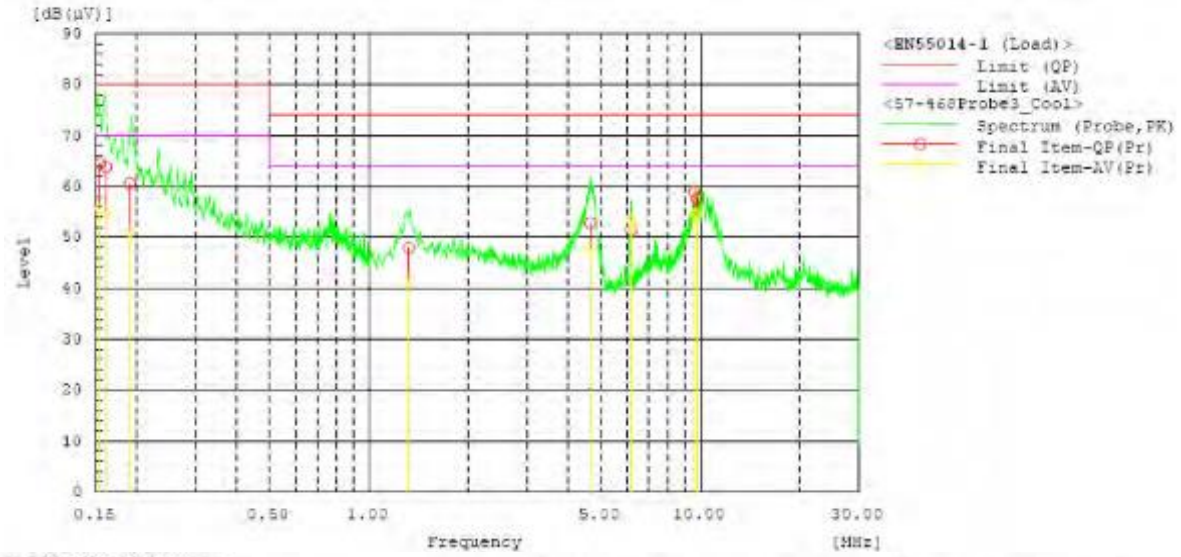
Operation mode A, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.77915	14.8	9.7	30.4	45.3	40.1	74.0	64.0	28.7	23.9
2	1.31616	23.9	17.3	30.4	54.3	47.7	74.0	64.0	19.7	16.3
3	4.65032	24.2	19.0	30.4	54.6	49.4	74.0	64.0	19.4	14.6
4	6.165	15.0	13.4	30.4	45.4	43.8	74.0	64.0	28.6	20.2
5	10.3196	20.2	11.3	30.6	50.8	41.9	74.0	64.0	23.2	22.1
6	10.8508	21.7	12.8	30.6	52.3	43.4	74.0	64.0	21.7	20.6

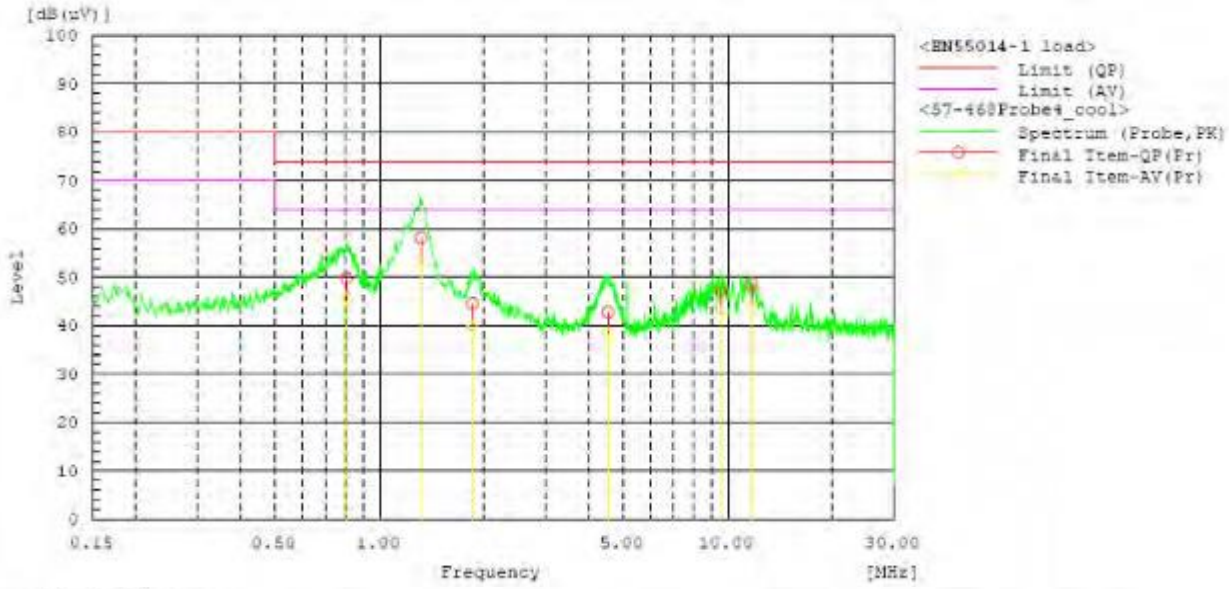
Operation mode A, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15428	34.1	25.1	30.4	64.5	55.5	80.0	70.0	15.5	14.5
2	0.16141	33.4	24.3	30.4	63.8	54.7	80.0	70.0	16.2	15.3
3	0.19036	30.2	20.6	30.4	60.6	51.0	80.0	70.0	19.4	19.0
4	1.324	17.5	11.3	30.4	47.9	41.7	74.0	64.0	26.1	22.3
5	4.65832	22.3	17.3	30.4	52.7	47.7	74.0	64.0	21.3	16.3
6	6.1963	21.0	22.8	30.4	51.4	53.2	74.0	64.0	22.6	10.8
7	9.5095	20.3	23.9	30.6	50.9	54.4	74.0	64.0	15.1	9.6
8	9.7873	27.0	24.1	30.6	57.6	54.7	74.0	64.0	16.4	9.3

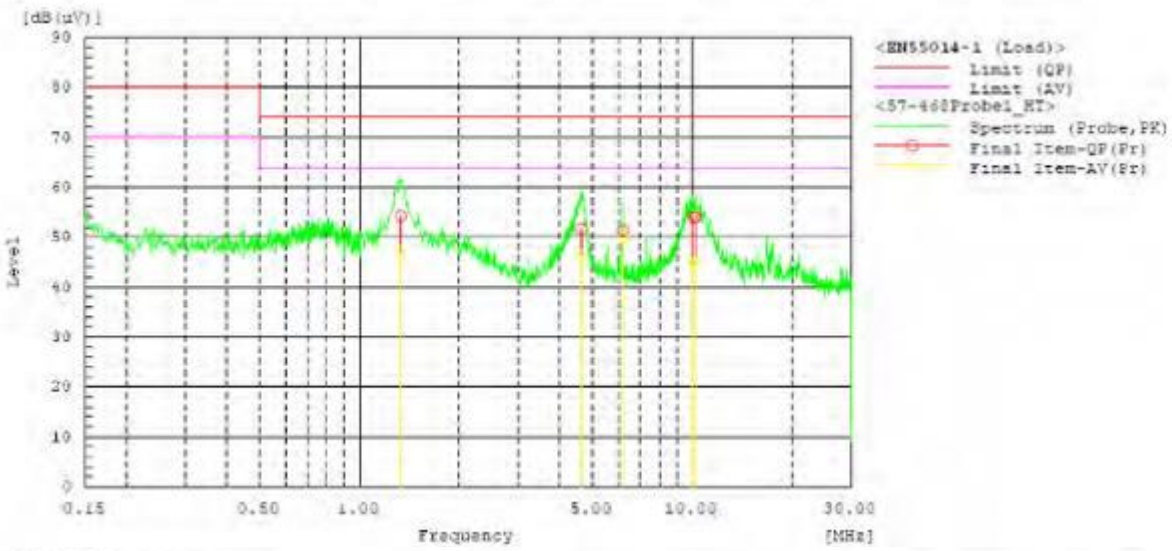
Operation mode A, Interconnection cable E (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.80533	19.4	14.9	30.4	49.8	45.3	74.0	64.0	24.2	18.7
2	1.31616	27.8	22.5	30.4	58.2	52.9	74.0	64.0	15.8	11.1
3	1.8484	14.2	9.2	30.4	44.6	39.6	74.0	64.0	29.4	24.4
4	4.53432	12.4	7.9	30.4	42.8	38.3	74.0	64.0	31.2	25.7
5	9.5907	16.4	11.6	30.6	47.0	42.2	74.0	64.0	27.0	21.8
6	11.7036	18.2	13.6	30.6	48.8	44.2	74.0	64.0	25.2	19.8

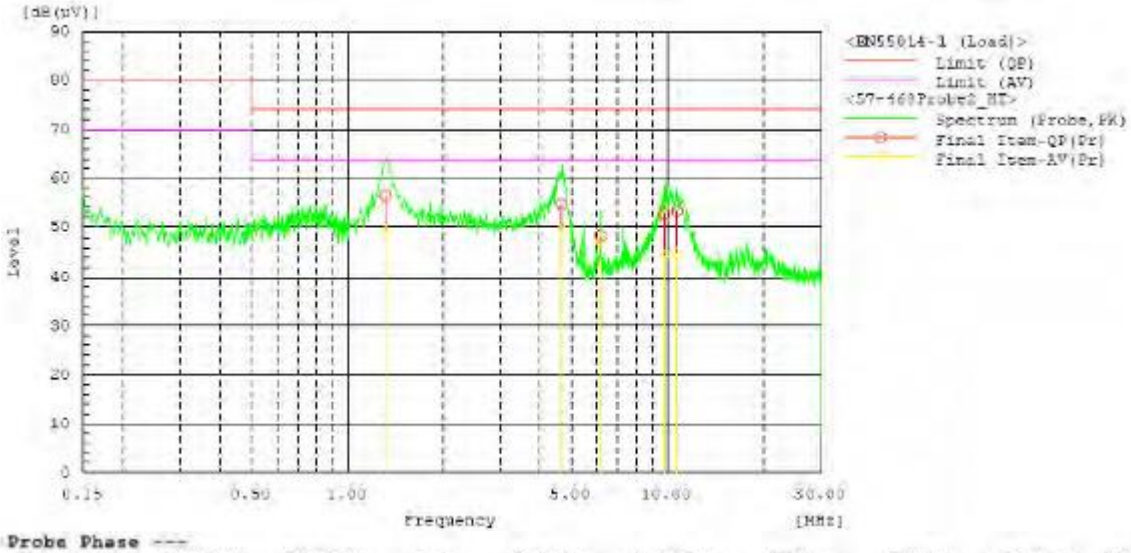
Operation mode B, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	1.33288	23.8	16.6	30.4	54.2	47.0	74.0	64.0	19.8	17.0
2	4.64992	21.2	15.9	30.4	51.6	46.3	74.0	64.0	22.4	17.7
3	6.1973	20.9	19.5	30.4	51.3	45.9	74.0	64.0	22.7	14.1
4	10.0906	23.4	14.0	30.6	54.0	44.6	74.0	64.0	20.0	19.4
5	10.2524	23.5	14.3	30.6	54.1	44.9	74.0	64.0	19.9	19.1

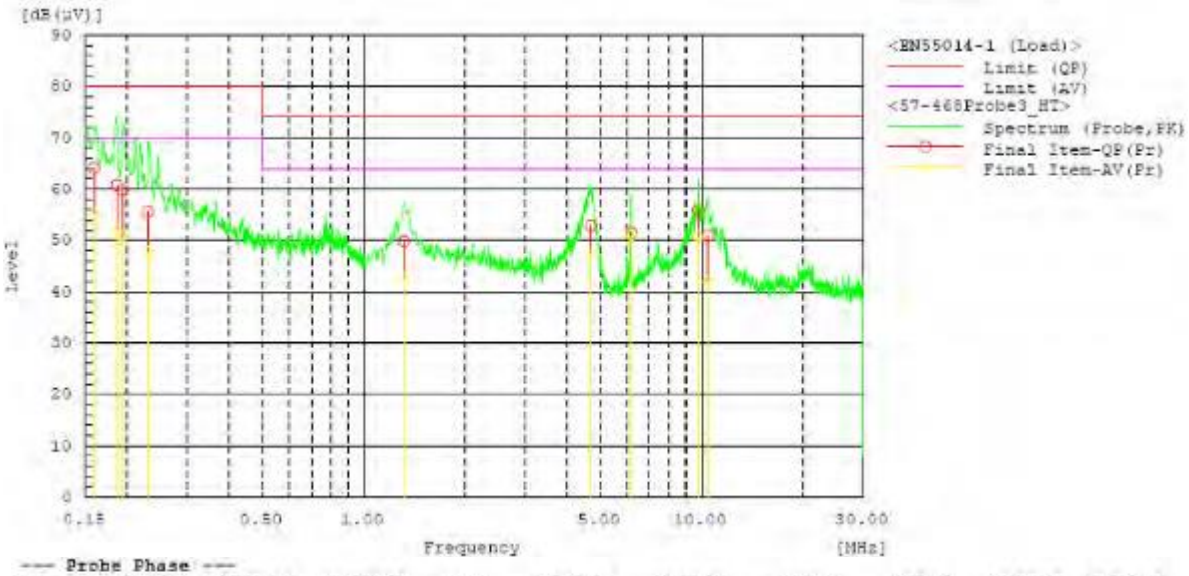
Operation mode B, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	1.31248	26.0	18.7	30.4	56.4	49.1	74.0	64.0	17.6	14.9
2	4.67058	24.2	18.9	30.4	54.6	49.3	74.0	64.0	19.4	14.7
3	6.1953	18.0	17.1	30.4	48.4	47.5	74.0	64.0	25.6	16.5
4	9.7928	22.0	13.8	30.6	52.6	44.4	74.0	64.0	21.4	19.6
5	10.7028	22.6	14.2	30.6	53.2	44.8	74.0	64.0	20.8	19.2

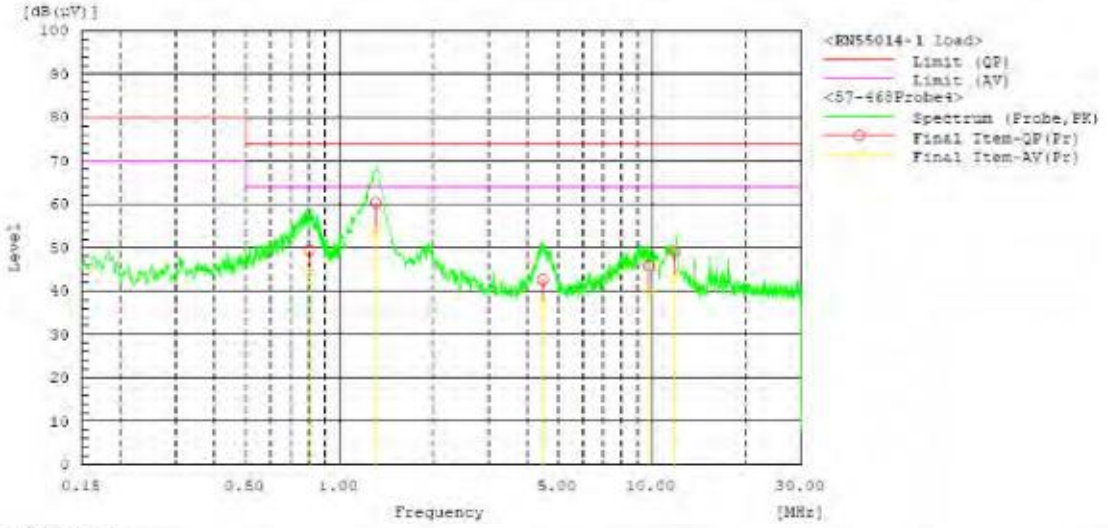
Operation mode B, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.1592	33.7	24.7	30.4	64.1	55.1	80.0	70.0	15.9	14.9
2	0.18616	30.4	21.4	30.4	60.8	51.8	80.0	70.0	19.2	18.2
3	0.1933	29.4	20.3	30.4	59.8	50.7	80.0	70.0	20.2	19.3
4	0.2296	25.2	17.3	30.4	55.6	47.7	80.0	70.0	24.4	22.3
5	1.31632	19.4	12.3	30.4	49.8	42.7	74.0	64.0	24.2	21.3
6	4.69672	22.5	17.0	30.4	52.9	47.4	74.0	64.0	21.1	16.6
7	6.1937	21.0	20.5	30.4	51.4	50.9	74.0	64.0	22.6	13.1
8	9.7865	25.3	20.0	30.6	55.9	50.6	74.0	64.0	18.1	13.4
9	10.464	20.3	11.5	30.6	50.9	42.1	74.0	64.0	23.1	21.9

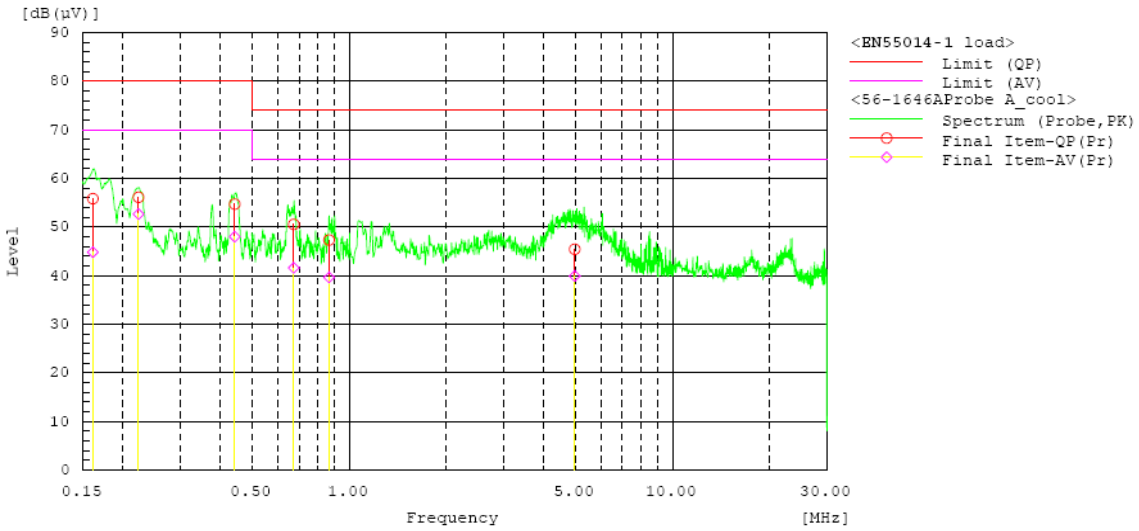
Operation mode B, Interconnection cable E (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.80282	19.0	13.8	30.4	49.4	44.2	74.0	64.0	24.6	19.8
2	1.3096	30.0	22.9	30.4	60.4	53.3	74.0	64.0	13.6	10.7
3	4.4752	12.2	7.3	30.4	42.6	37.7	74.0	64.0	31.4	26.3
4	9.7834	15.2	9.5	30.6	45.8	40.1	74.0	64.0	28.2	23.9
5	11.81254	18.5	13.2	30.6	49.1	43.8	74.0	64.0	24.9	20.2

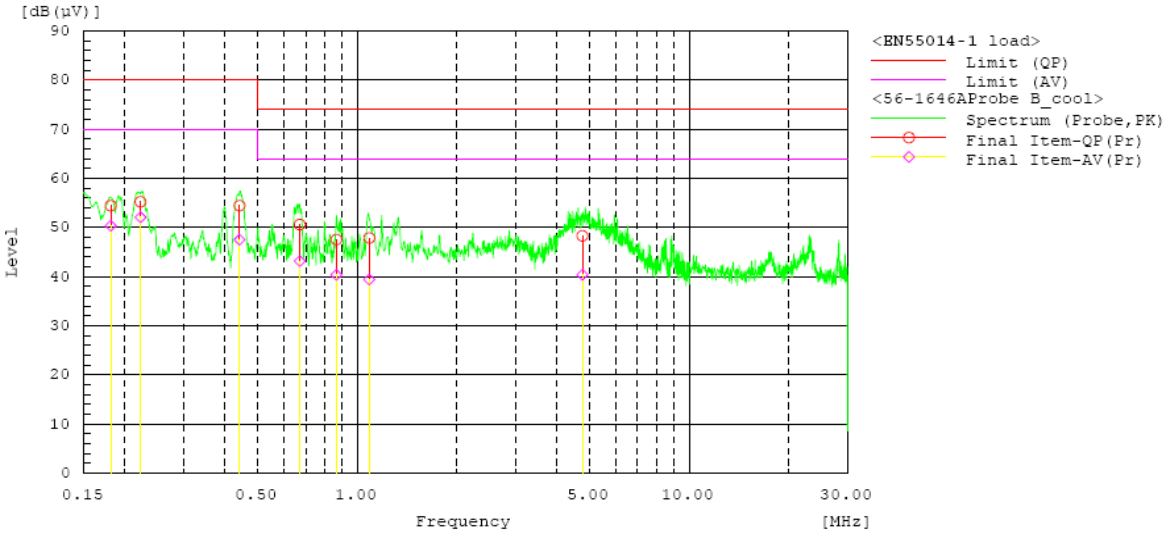
Figure 40: Spectral Diagram, Continuous Disturbance Voltage – Wired remote control cable; Operation mode A, Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16116	25.4	14.4	30.4	55.8	44.8	80.0	70.0	24.2	25.2
2	0.22305	25.7	22.2	30.4	56.1	52.6	80.0	70.0	23.9	17.4
3	0.44275	24.3	17.6	30.4	54.7	48.0	80.0	70.0	25.3	22.0
4	0.6745	20.1	11.2	30.4	50.5	41.6	74.0	64.0	23.5	22.4
5	0.86677	16.9	9.2	30.4	47.3	39.6	74.0	64.0	26.7	24.4
6	4.9851	15.0	9.5	30.4	45.4	39.9	74.0	64.0	28.6	24.1

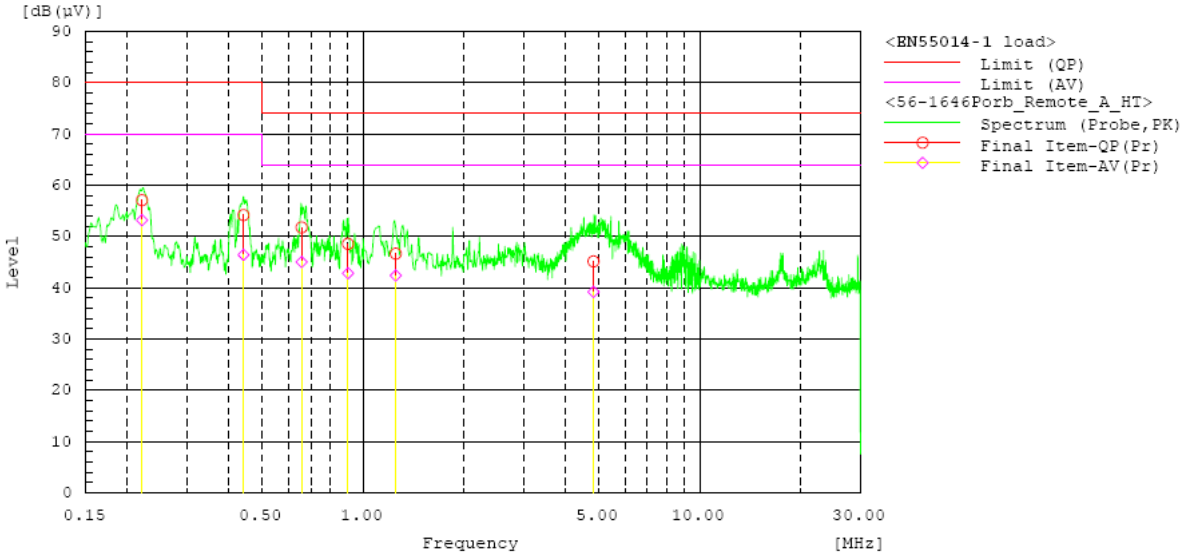
Wired remote control cable B (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.18103	24.0	19.9	30.4	54.4	50.3	80.0	70.0	25.6	19.7
2	0.22255	24.8	21.7	30.4	55.2	52.1	80.0	70.0	24.8	17.9
3	0.44253	24.0	17.1	30.4	54.4	47.5	80.0	70.0	25.6	22.5
4	0.67218	20.2	12.7	30.4	50.6	43.1	74.0	64.0	23.4	20.9
5	0.86642	17.1	9.9	30.4	47.5	40.3	74.0	64.0	26.5	23.7
6	1.08752	17.4	9.0	30.4	47.8	39.4	74.0	64.0	26.2	24.6
7	4.77208	17.9	10.0	30.4	48.3	40.4	74.0	64.0	25.7	23.6

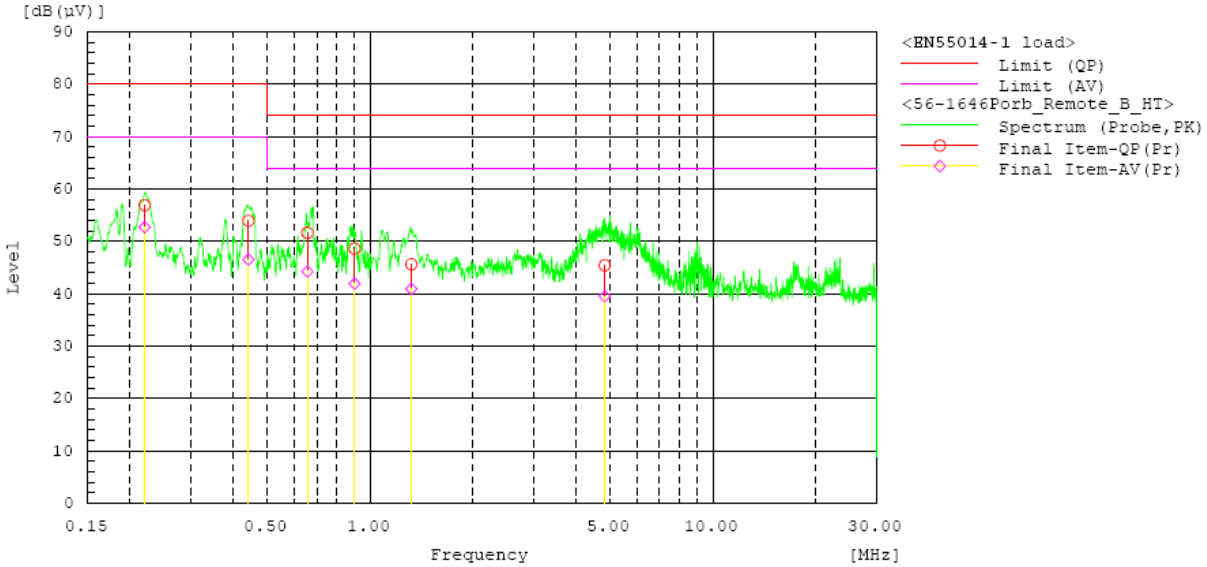
Operation mode B, Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.2208	26.7	22.8	30.4	57.1	53.2	80.0	70.0	22.9	16.8
2	0.44209	23.8	16.0	30.4	54.2	46.4	80.0	70.0	25.8	23.6
3	0.6576	21.3	14.6	30.4	51.7	45.0	74.0	64.0	22.3	19.0
4	0.90325	18.1	12.4	30.4	48.5	42.8	74.0	64.0	25.5	21.2
5	1.25256	16.2	12.0	30.4	46.6	42.4	74.0	64.0	27.4	21.6
6	4.84368	14.7	8.8	30.4	45.1	39.2	74.0	64.0	28.9	24.8

Wired remote control cable B (Indoor side)

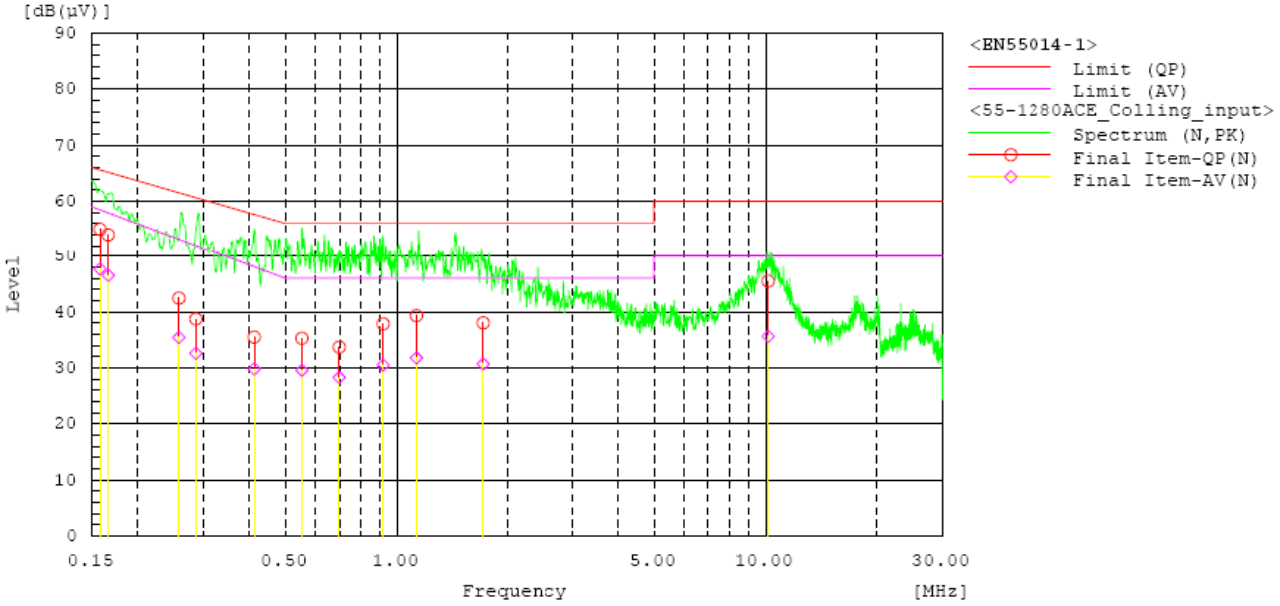


--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.2204	26.5	22.3	30.4	56.9	52.7	80.0	70.0	23.1	17.3
2	0.4423	23.5	16.1	30.4	53.9	46.5	80.0	70.0	26.1	23.5
3	0.65733	21.2	13.8	30.4	51.6	44.2	74.0	64.0	22.4	19.8
4	0.90241	18.2	11.5	30.4	48.6	41.9	74.0	64.0	25.4	22.1
5	1.3216	15.2	10.5	30.4	45.6	40.9	74.0	64.0	28.4	23.1
6	4.8423	15.0	9.1	30.4	45.4	39.5	74.0	64.0	28.6	24.5

SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1

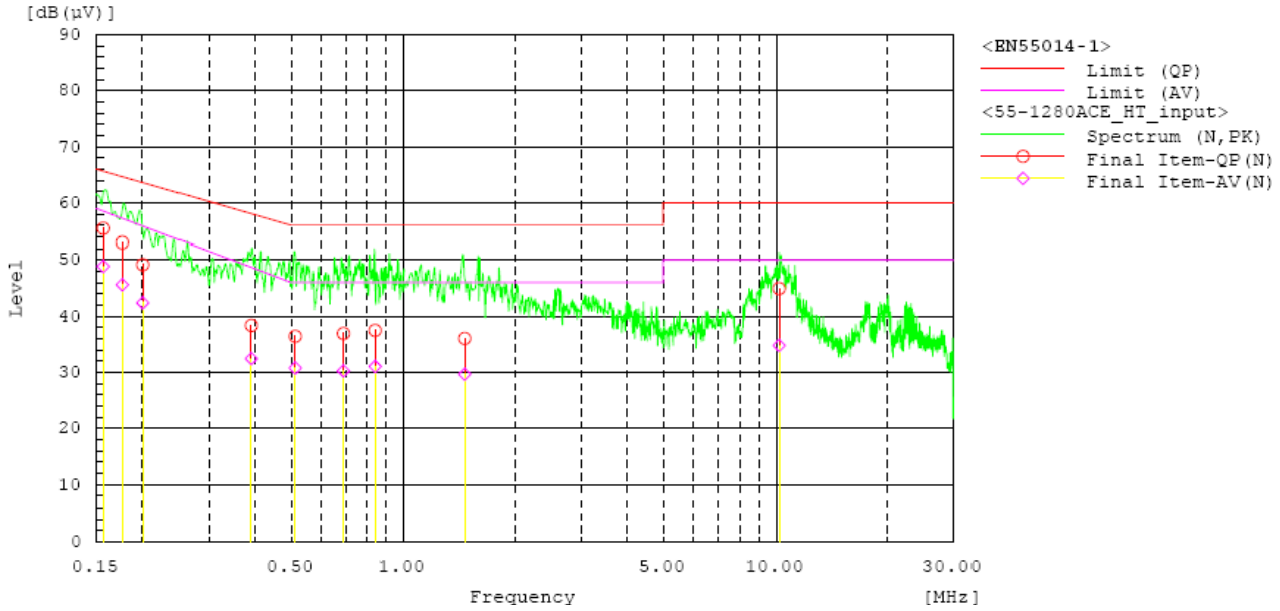
Figure 41: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Neutral; Operation mode A



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15787	44.8	37.5	10.2	55.0	47.7	65.6	58.4	10.6	10.7
2	0.16613	43.8	36.3	10.2	54.0	46.5	65.2	57.9	11.2	11.4
3	0.25788	32.2	25.2	10.2	42.4	35.4	61.5	53.1	19.1	17.7
4	0.28658	28.5	22.4	10.2	38.7	32.6	60.6	52.0	21.9	19.4
5	0.41185	25.3	19.6	10.2	35.5	29.8	57.6	48.1	22.1	18.3
6	0.55406	25.1	19.4	10.2	35.3	29.6	56.0	46.0	20.7	16.4
7	0.69905	23.4	18.0	10.3	33.7	28.3	56.0	46.0	22.3	17.7
8	0.9182	27.5	20.2	10.3	37.8	30.5	56.0	46.0	18.2	15.5
9	1.13016	29.0	21.5	10.3	39.3	31.8	56.0	46.0	16.7	14.2
10	1.7112	27.7	20.4	10.3	38.0	30.7	56.0	46.0	18.0	15.3
11	10.159	34.7	24.8	10.8	45.5	35.6	60.0	50.0	14.5	14.4

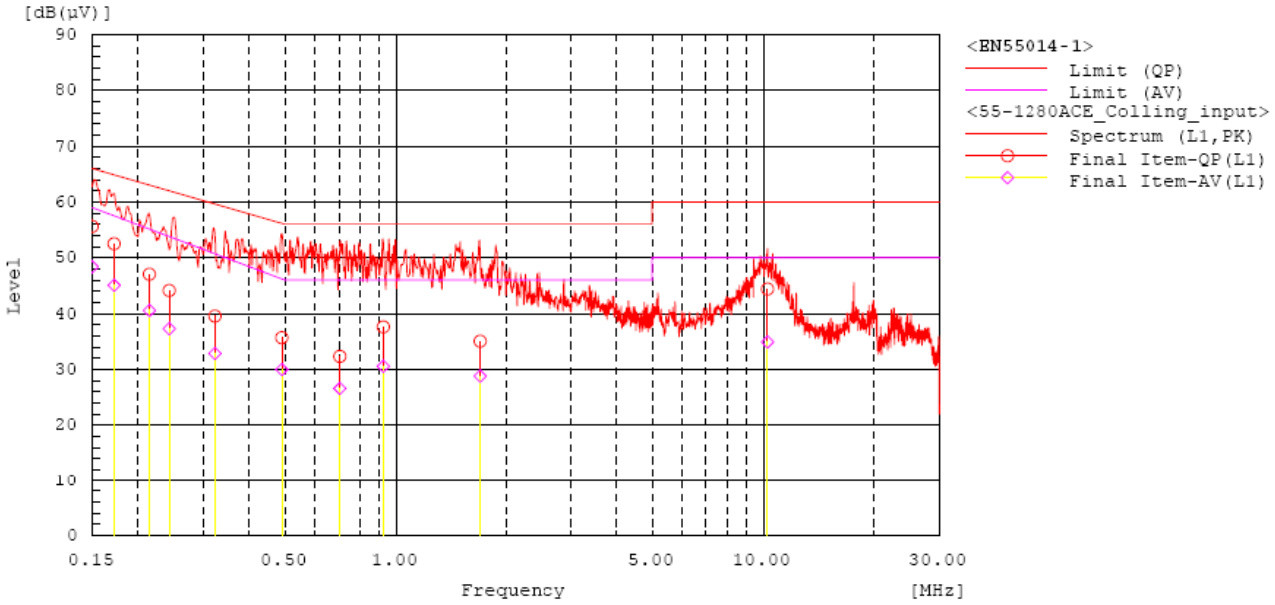
Operation mode B



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15665	45.3	38.7	10.2	55.5	48.9	65.6	58.5	10.1	9.6
2	0.1765	42.8	35.4	10.2	53.0	45.6	64.6	57.2	11.6	11.6
3	0.20032	39.0	32.2	10.2	49.2	42.4	63.6	55.9	14.4	13.5
4	0.3898	28.1	22.2	10.2	38.3	32.4	58.1	48.7	19.8	16.3
5	0.51219	26.2	20.6	10.2	36.4	30.8	56.0	46.0	19.6	15.2
6	0.69172	26.6	20.0	10.3	36.9	30.3	56.0	46.0	19.1	15.7
7	0.84158	27.2	20.7	10.3	37.5	31.0	56.0	46.0	18.5	15.0
8	1.45632	25.7	19.4	10.3	36.0	29.7	56.0	46.0	20.0	16.3
9	10.1894	34.1	24.0	10.8	44.9	34.8	60.0	50.0	15.1	15.2

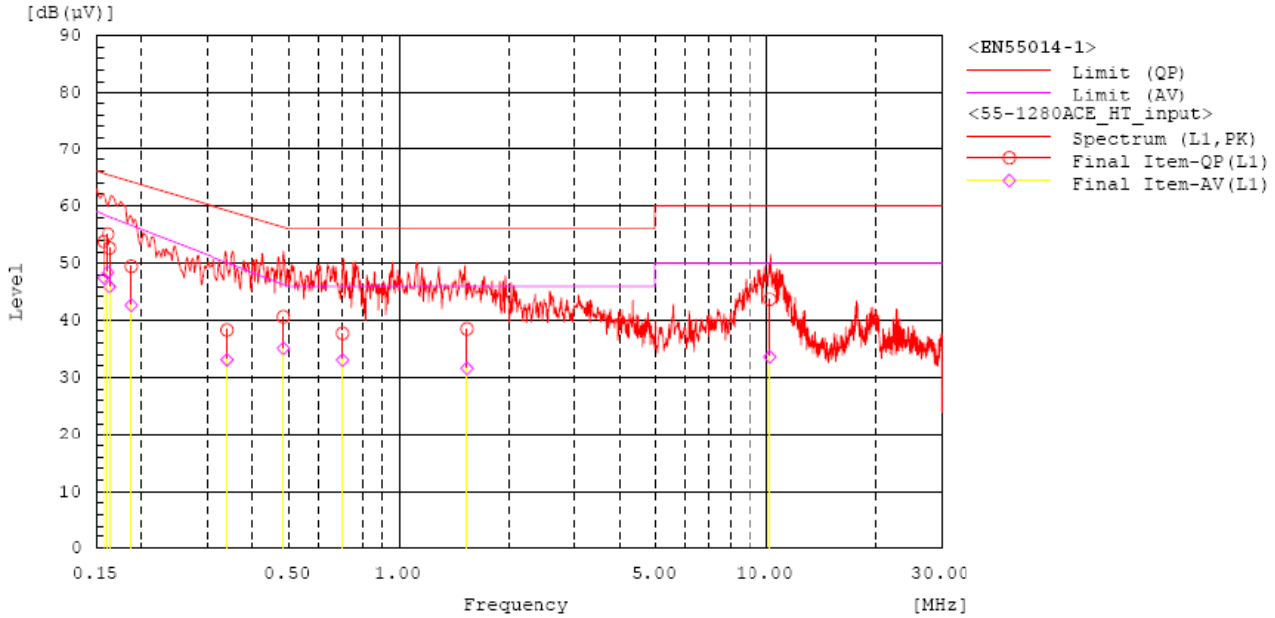
Figure 42: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Line; Operation mode A



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15003	45.4	38.2	10.2	55.6	48.4	66.0	59.0	10.4	10.6
2	0.17198	42.3	34.9	10.2	52.5	45.1	64.9	57.5	12.4	12.4
3	0.21441	36.9	30.4	10.2	47.1	40.6	63.0	55.1	15.9	14.5
4	0.24267	33.9	27.1	10.2	44.1	37.3	62.0	53.8	17.9	16.5
5	0.32292	29.3	22.6	10.2	39.5	32.8	59.6	50.7	20.1	17.9
6	0.49017	25.5	19.8	10.2	35.7	30.0	56.2	46.2	20.5	16.2
7	0.70447	22.0	16.3	10.3	32.3	26.6	56.0	46.0	23.7	19.4
8	0.9237	27.3	20.3	10.3	37.6	30.6	56.0	46.0	18.4	15.4
9	1.69208	24.7	18.5	10.3	35.0	28.8	56.0	46.0	21.0	17.2
10	10.2756	33.6	24.1	10.8	44.4	34.9	60.0	50.0	15.6	15.1

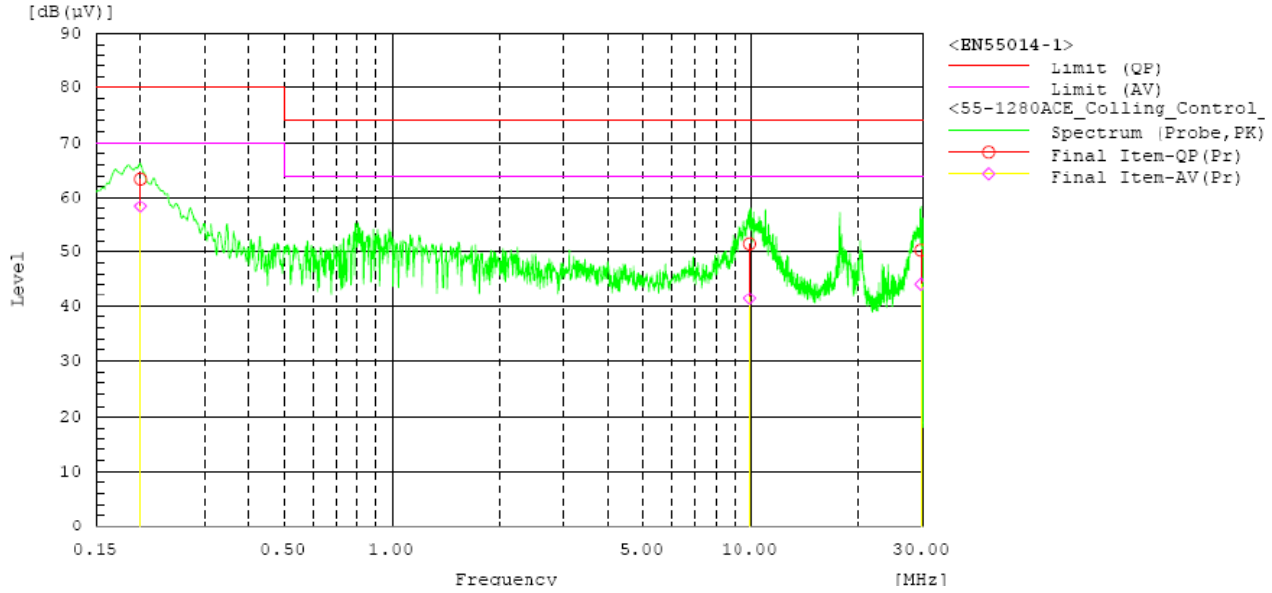
Operation mode B



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15711	43.6	37.3	10.2	53.8	47.5	65.6	58.5	11.8	11.0
2	0.16193	44.9	38.3	10.2	55.1	48.5	65.4	58.2	10.3	9.7
3	0.16362	42.4	35.8	10.2	52.6	46.0	65.3	58.1	12.7	12.1
4	0.1875	39.3	32.3	10.2	49.5	42.5	64.1	56.6	14.6	14.1
5	0.34181	28.0	22.9	10.2	38.2	33.1	59.2	50.1	21.0	17.0
6	0.48414	30.3	24.8	10.2	40.5	35.0	56.3	46.3	15.8	11.3
7	0.70483	27.3	22.7	10.3	37.6	33.0	56.0	46.0	18.4	13.0
8	1.53464	28.1	21.3	10.3	38.4	31.6	56.0	46.0	17.6	14.4
9	10.2692	32.7	22.7	10.8	43.5	33.5	60.0	50.0	16.5	16.5

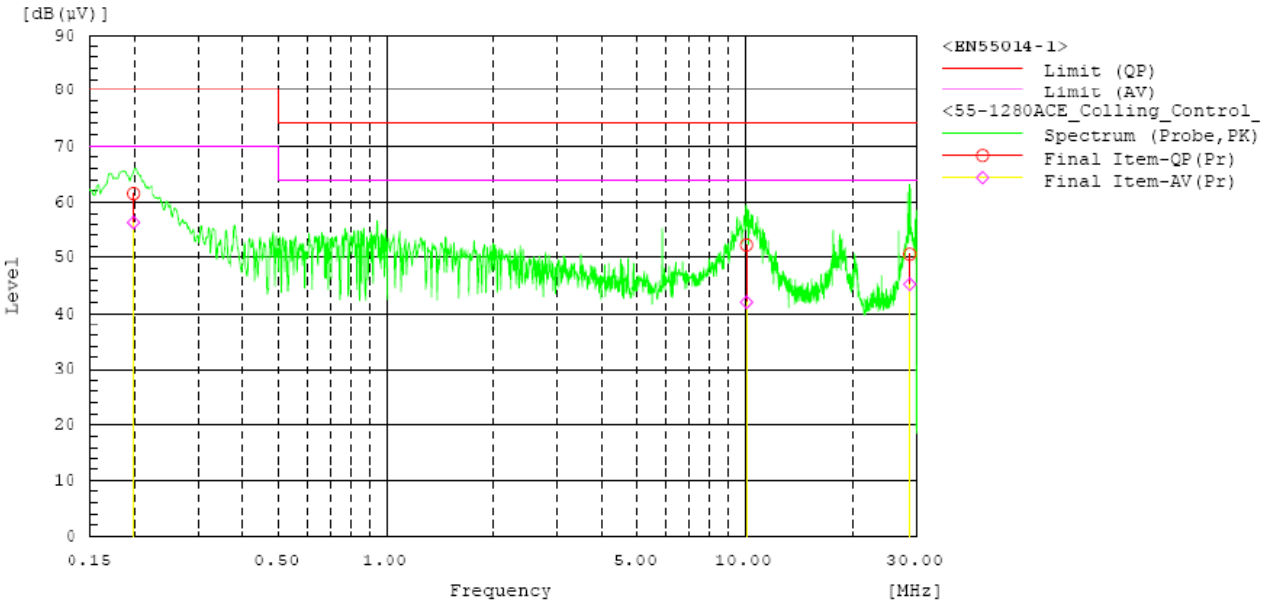
Figure 43: Spectral Diagram, Continuous Disturbance Voltage – Interconnection cable; Operation mode A, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.19983	32.9	27.8	30.5	63.4	58.3	80.0	70.0	16.6	11.7
2	9.9474	20.8	10.7	30.6	51.4	41.3	74.0	64.0	22.6	22.7
3	29.6829	19.7	13.5	30.6	50.3	44.1	74.0	64.0	23.7	19.9

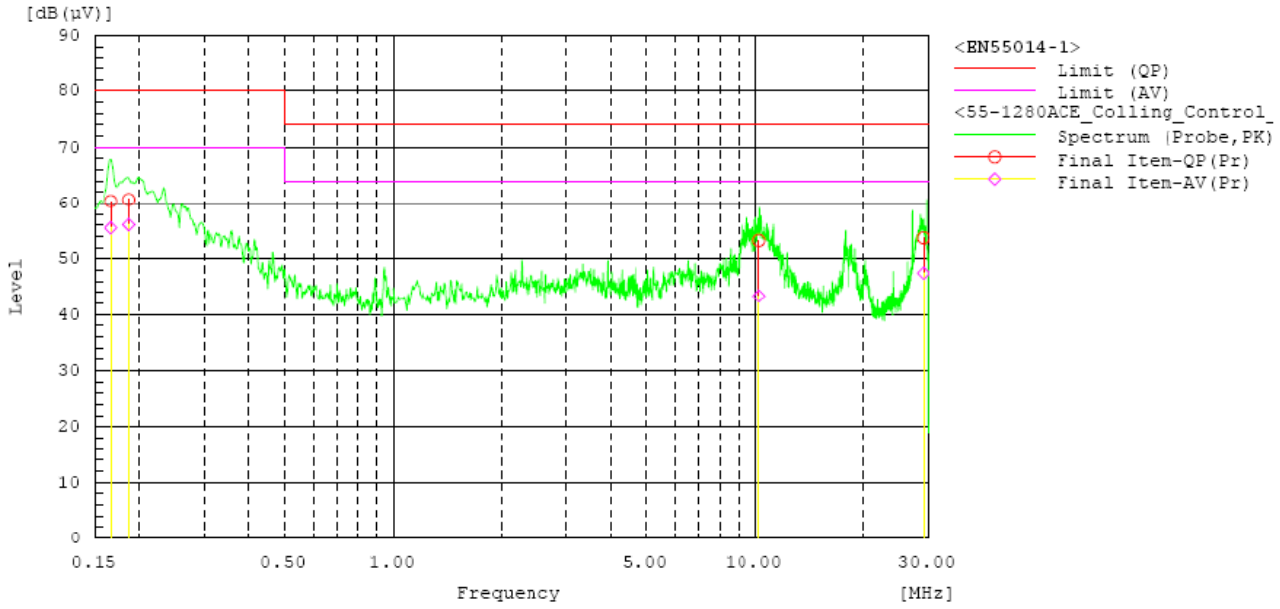
Operation mode A, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.19765	31.0	25.9	30.5	61.5	56.4	80.0	70.0	18.5	13.6
2	10.1132	21.6	11.4	30.6	52.2	42.0	74.0	64.0	21.8	22.0
3	28.7925	19.9	14.6	30.6	50.5	45.2	74.0	64.0	23.5	18.8

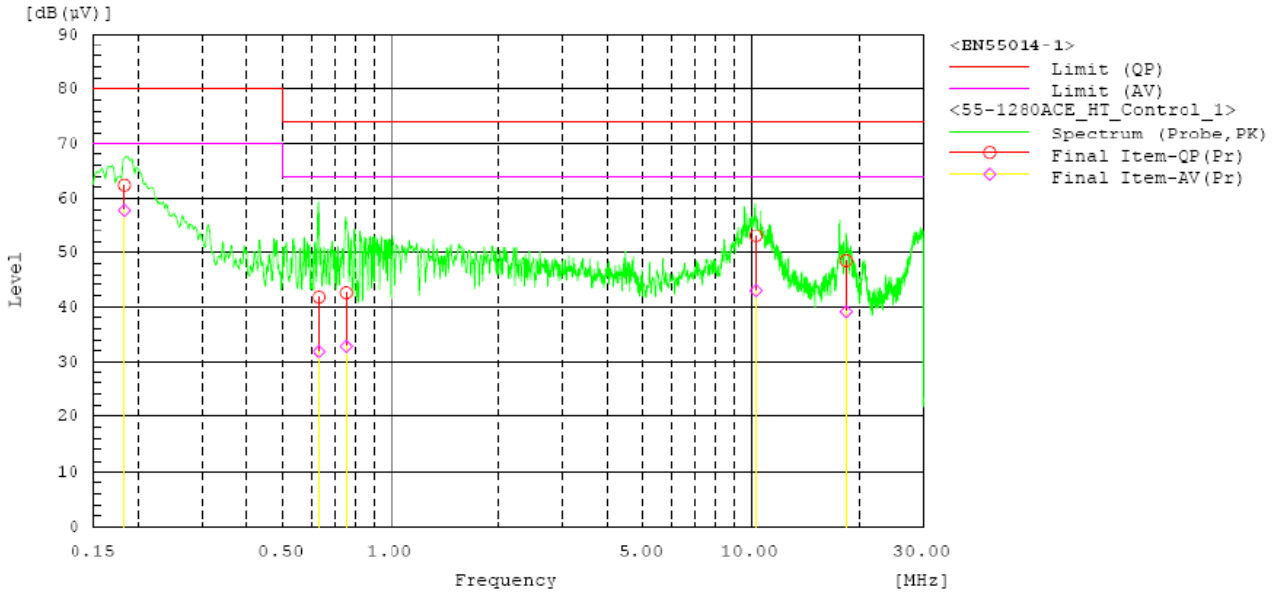
Operation mode A, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.18669	30.2	25.6	30.5	60.7	56.1	80.0	70.0	19.3	13.9
2	0.16668	29.9	25.0	30.5	60.4	55.5	80.0	70.0	19.6	14.5
3	10.2714	22.7	12.7	30.6	53.3	43.3	74.0	64.0	20.7	20.7
4	29.1474	23.1	16.8	30.6	53.7	47.4	74.0	64.0	20.3	16.6

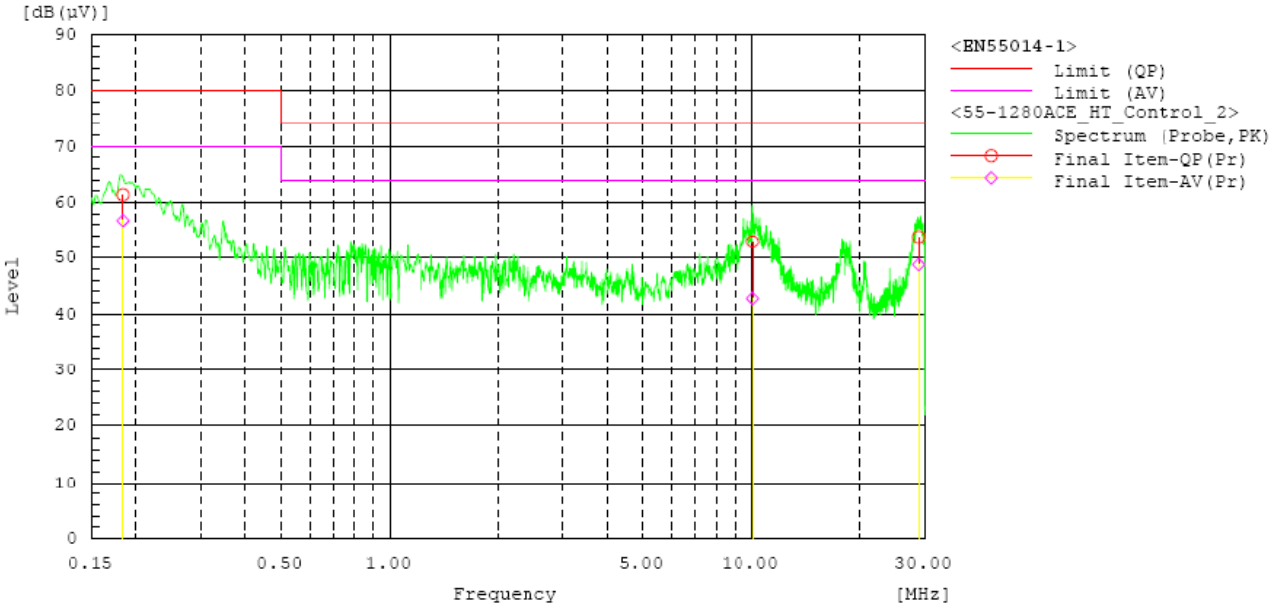
Operation mode B, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.18255	31.9	27.3	30.5	62.4	57.8	80.0	70.0	17.6	12.2
2	0.63527	11.3	1.5	30.4	41.7	31.9	74.0	64.0	32.3	32.1
3	0.75472	12.1	2.4	30.4	42.5	32.8	74.0	64.0	31.5	31.2
4	10.3222	22.4	12.2	30.6	53.0	42.8	74.0	64.0	21.0	21.2
5	18.3501	17.8	8.4	30.7	48.5	39.1	74.0	64.0	25.5	24.9

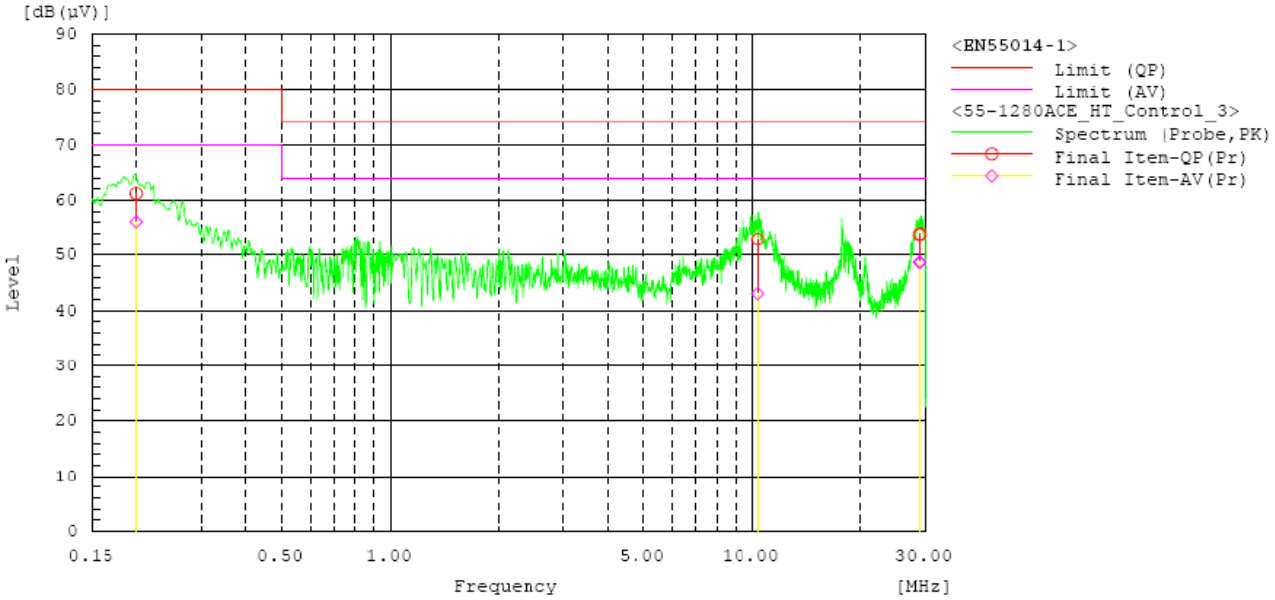
Operation mode B, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.18417	30.9	26.3	30.5	61.4	56.8	80.0	70.0	18.6	13.2
2	10.0964	22.3	12.1	30.6	52.9	42.7	74.0	64.0	21.1	21.3
3	28.8873	23.3	18.2	30.6	53.9	48.8	74.0	64.0	20.1	15.2

Operation mode B, Interconnection cable 3 (Outdoor side)

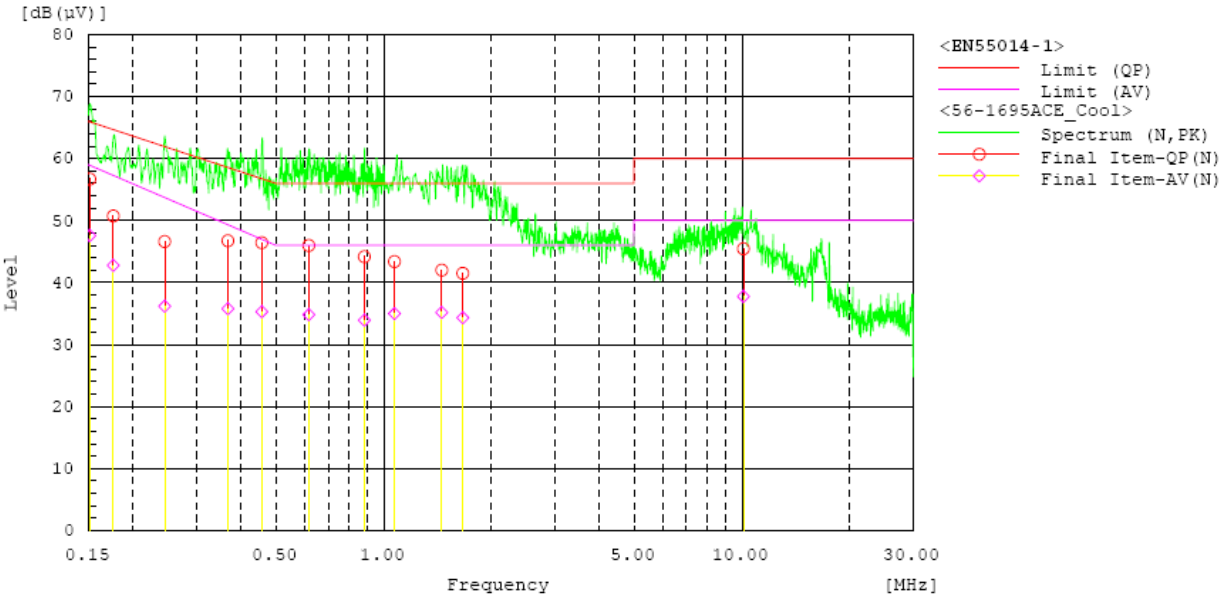


--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	28.905	23.2	18.0	30.6	53.8	48.6	74.0	64.0	20.2	15.4
2	29.0841	23.3	18.1	30.6	53.9	48.7	74.0	64.0	20.1	15.3
3	10.3868	22.3	12.4	30.6	52.9	43.0	74.0	64.0	21.1	21.0
4	0.19928	30.7	25.6	30.5	61.2	56.1	80.0	70.0	18.8	13.9

SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

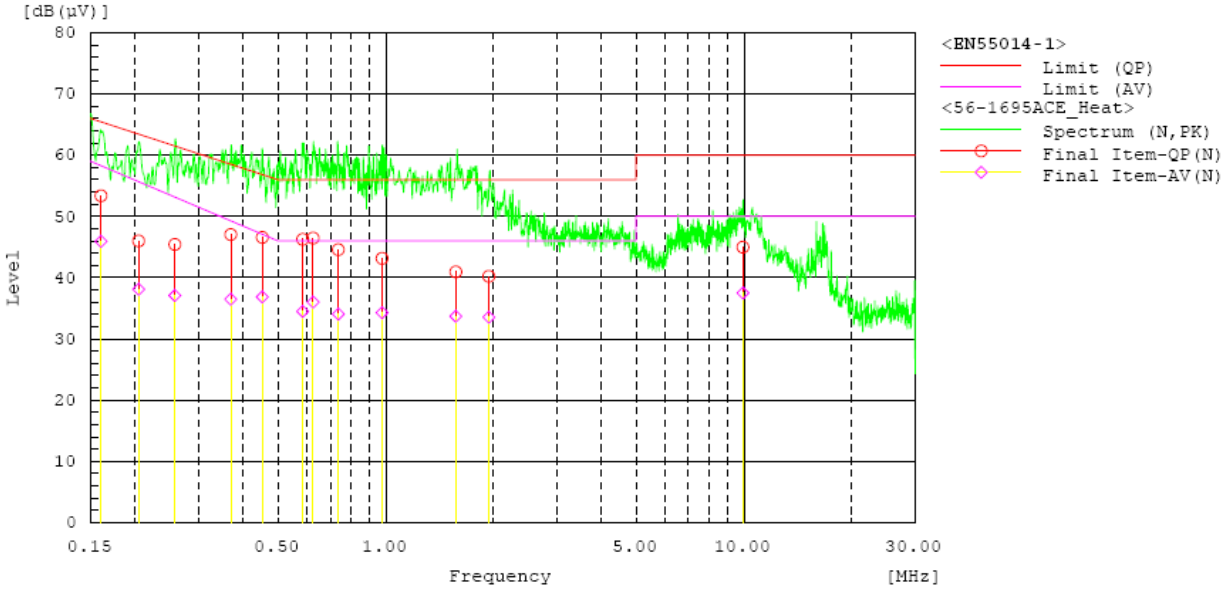
Figure 44: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Neutral; Operation mode A



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15123	46.5	37.4	10.2	56.7	47.6	65.9	58.9	9.2	11.3
2	0.17588	40.5	32.6	10.2	50.7	42.8	64.7	57.3	14.0	14.5
3	0.24461	36.4	26.0	10.2	46.6	36.2	61.9	53.7	15.3	17.5
4	0.36732	36.5	25.6	10.2	46.7	35.8	58.6	49.3	11.9	13.5
5	0.45655	36.2	25.1	10.2	46.4	35.3	56.8	47.0	10.4	11.7
6	0.61788	35.8	24.6	10.2	46.0	34.8	56.0	46.0	10.0	11.2
7	0.88318	34.0	23.7	10.2	44.2	33.9	56.0	46.0	11.8	12.1
8	1.07176	33.2	24.8	10.2	43.4	35.0	56.0	46.0	12.6	11.0
9	1.45224	31.7	24.9	10.3	42.0	35.2	56.0	46.0	14.0	10.8
10	1.66272	31.2	24.0	10.3	41.5	34.3	56.0	46.0	14.5	11.7
11	10.0992	34.8	27.2	10.6	45.4	37.8	60.0	50.0	14.6	12.2

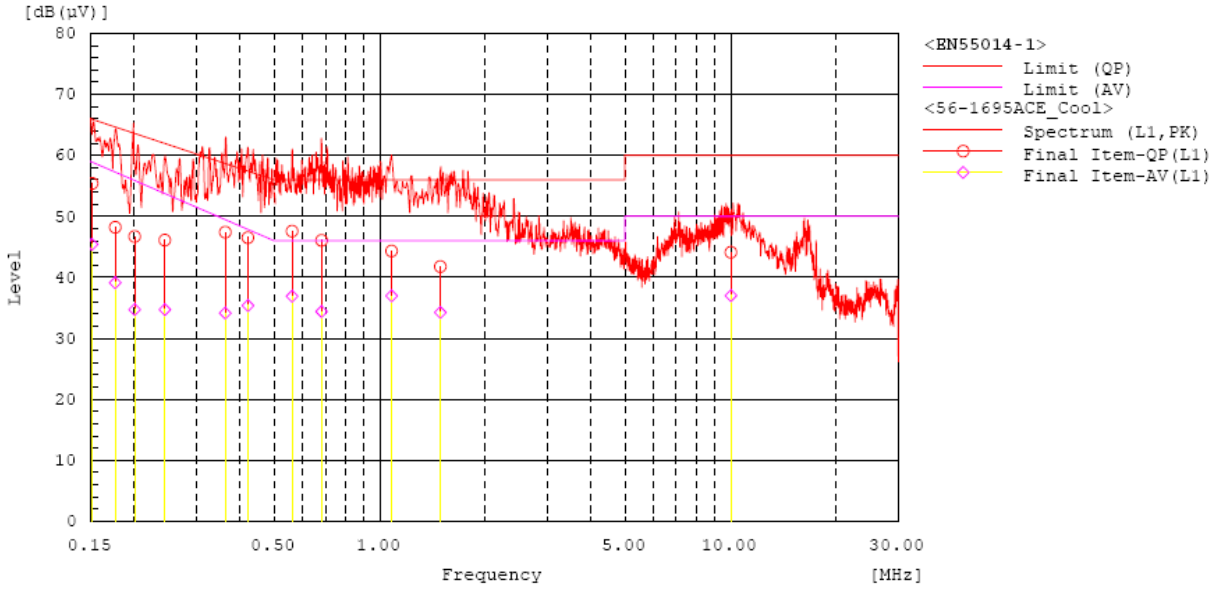
Operation mode B



--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16028	43.2	35.7	10.2	53.4	45.9	65.4	58.3	12.0	12.4
2	0.2041	35.8	27.9	10.2	46.0	38.1	63.4	55.7	17.4	17.6
3	0.25775	35.2	26.9	10.2	45.4	37.1	61.5	53.2	16.1	16.1
4	0.3691	36.8	26.3	10.2	47.0	36.5	58.5	49.3	11.5	12.8
5	0.45199	36.4	26.6	10.2	46.6	36.8	56.8	47.1	10.2	10.3
6	0.58605	36.0	24.3	10.2	46.2	34.5	56.0	46.0	9.8	11.5
7	0.62698	36.3	25.8	10.2	46.5	36.0	56.0	46.0	9.5	10.0
8	0.73667	34.4	23.9	10.2	44.6	34.1	56.0	46.0	11.4	11.9
9	0.97624	33.0	24.1	10.2	43.2	34.3	56.0	46.0	12.8	11.7
10	1.56872	30.6	23.4	10.3	40.9	33.7	56.0	46.0	15.1	12.3
11	1.93872	29.9	23.2	10.3	40.2	33.5	56.0	46.0	15.8	12.5
12	9.937	34.4	26.9	10.6	45.0	37.5	60.0	50.0	15.0	12.5

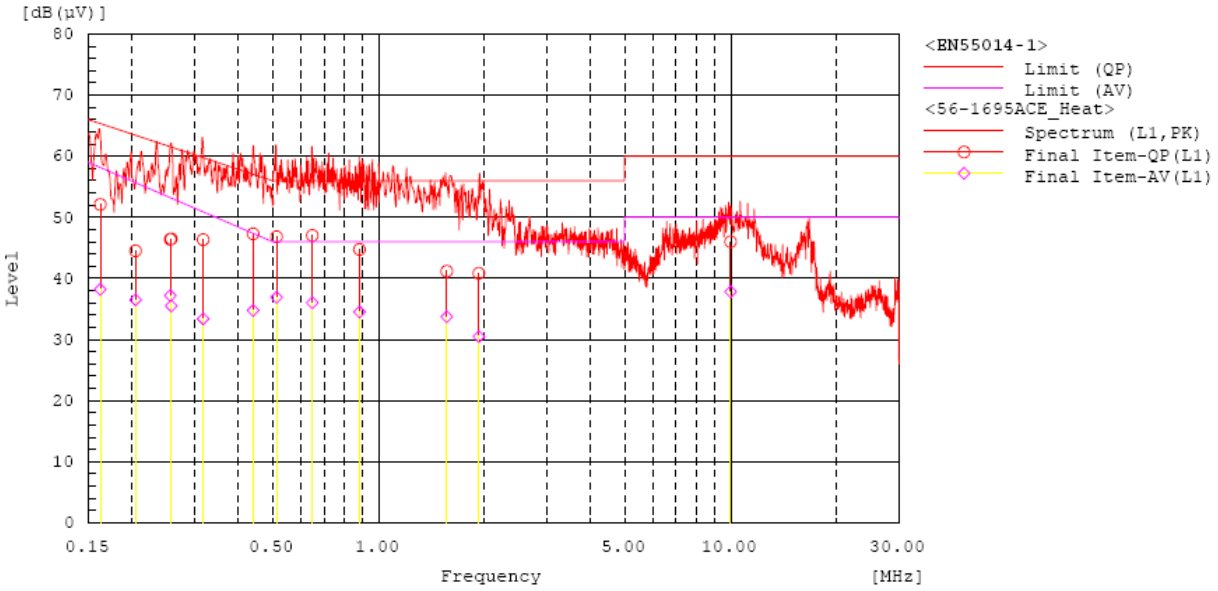
Figure 45: Spectral Diagram, Continuous Disturbance Voltage at AC mains terminal - Line; Operation mode A



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15157	45.2	35.2	10.2	55.4	45.4	65.9	58.9	10.5	13.5
2	0.17636	38.0	28.9	10.2	48.2	39.1	64.7	57.3	16.5	18.2
3	0.2002	36.5	24.5	10.2	46.7	34.7	63.6	55.9	16.9	21.2
4	0.24412	35.9	24.5	10.2	46.1	34.7	62.0	53.7	15.9	19.0
5	0.36311	37.2	23.9	10.2	47.4	34.1	58.7	49.5	11.3	15.4
6	0.42104	36.3	25.2	10.2	46.5	35.4	57.4	47.9	10.9	12.5
7	0.5626	37.4	26.7	10.2	47.6	36.9	56.0	46.0	8.4	9.1
8	0.68301	35.9	24.2	10.2	46.1	34.4	56.0	46.0	9.9	11.6
9	1.08096	34.1	26.8	10.2	44.3	37.0	56.0	46.0	11.7	9.0
10	1.48816	31.5	23.9	10.3	41.8	34.2	56.0	46.0	14.2	11.8
11	10.021	33.5	26.4	10.6	44.1	37.0	60.0	50.0	15.9	13.0

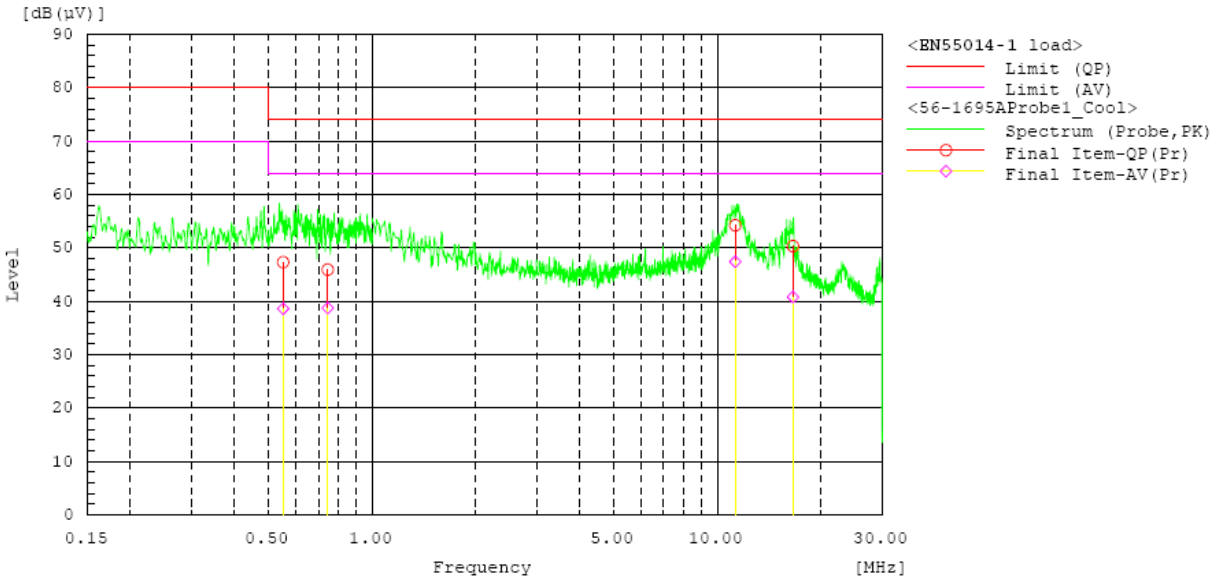
Operation mode B



--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16214	41.9	28.0	10.2	52.1	38.2	65.4	58.2	13.3	20.0
2	0.2042	34.3	26.3	10.2	44.5	36.5	63.4	55.7	18.9	19.2
3	0.25622	36.2	27.0	10.2	46.4	37.2	61.6	53.2	15.2	16.0
4	0.25787	36.3	25.3	10.2	46.5	35.5	61.5	53.1	15.0	17.6
5	0.31774	36.1	23.2	10.2	46.3	33.4	59.8	50.9	13.5	17.5
6	0.44049	37.1	24.6	10.2	47.3	34.8	57.1	47.4	9.8	12.6
7	0.51339	36.6	26.7	10.2	46.8	36.9	56.0	46.0	9.2	9.1
8	0.64868	36.8	25.8	10.2	47.0	36.0	56.0	46.0	9.0	10.0
9	0.88297	34.5	24.3	10.2	44.7	34.5	56.0	46.0	11.3	11.5
10	1.56232	30.9	23.4	10.3	41.2	33.7	56.0	46.0	14.8	12.3
11	1.92704	30.5	20.2	10.3	40.8	30.5	56.0	46.0	15.2	15.5
12	9.991	35.4	27.2	10.6	46.0	37.8	60.0	50.0	14.0	12.2

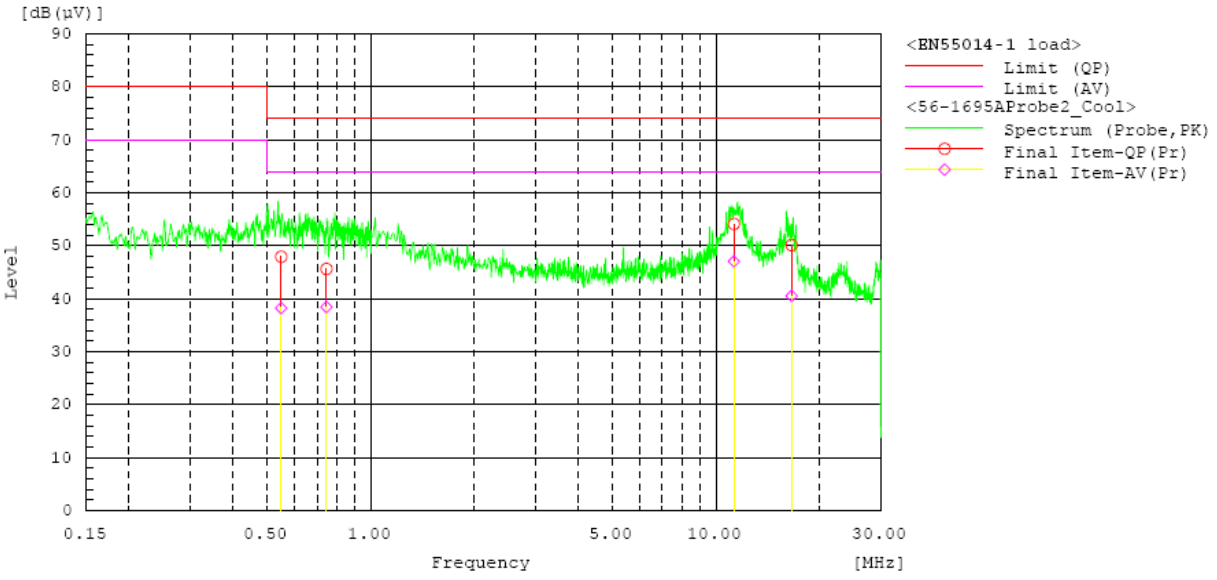
Figure 46: Spectral Diagram, Continuous Disturbance Voltage – Interconnection cable; Operation mode A, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.55354	16.9	8.2	30.4	47.3	38.6	74.0	64.0	26.7	25.4
2	0.7451	15.5	8.3	30.4	45.9	38.7	74.0	64.0	28.1	25.3
3	11.2848	23.6	16.8	30.6	54.2	47.4	74.0	64.0	19.8	16.6
4	16.5712	19.7	10.2	30.6	50.3	40.8	74.0	64.0	23.7	23.2

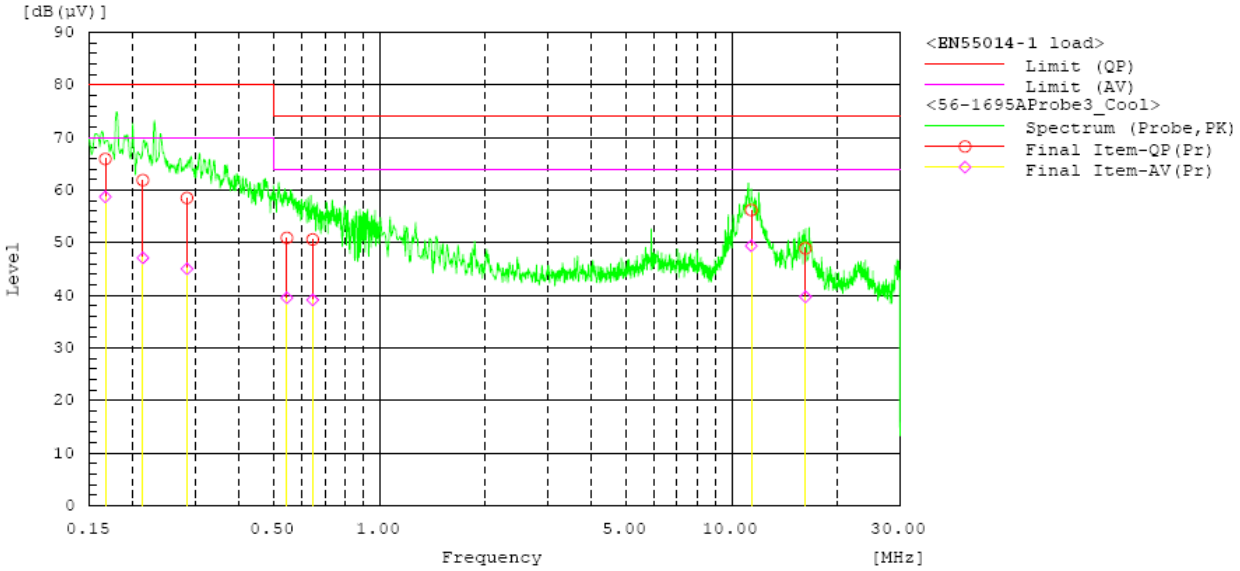
Operation mode A, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.55135	17.5	7.8	30.4	47.9	38.2	74.0	64.0	26.1	25.8
2	0.74551	15.2	8.0	30.4	45.6	38.4	74.0	64.0	28.4	25.6
3	11.2812	23.5	16.4	30.6	54.1	47.0	74.0	64.0	19.9	17.0
4	16.5712	19.5	9.9	30.6	50.1	40.5	74.0	64.0	23.9	23.5

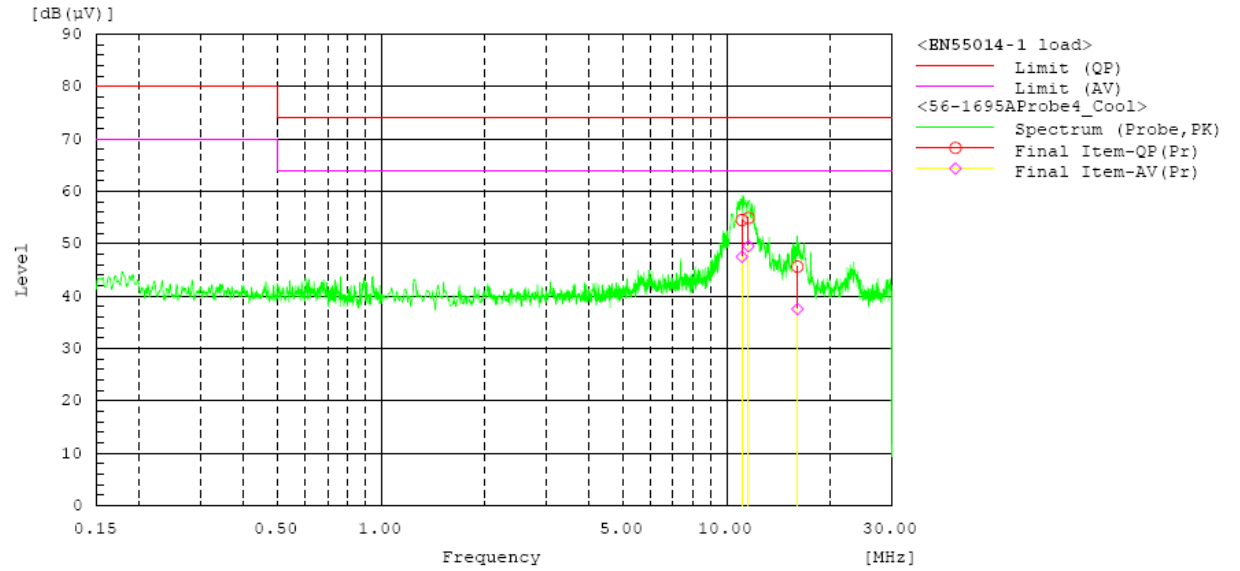
Operation mode A, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16676	35.5	28.3	30.4	65.9	58.7	80.0	70.0	14.1	11.3
2	0.21306	31.5	16.7	30.4	61.9	47.1	80.0	70.0	18.1	22.9
3	0.2842	28.1	14.6	30.4	58.5	45.0	80.0	70.0	21.5	25.0
4	0.5466	20.5	9.1	30.4	50.9	39.5	74.0	64.0	23.1	24.5
5	0.6469	20.2	8.7	30.4	50.6	39.1	74.0	64.0	23.4	24.9
6	11.3676	25.6	18.8	30.6	56.2	49.4	74.0	64.0	17.8	14.6
7	16.2118	18.3	9.1	30.6	48.9	39.7	74.0	64.0	25.1	24.3

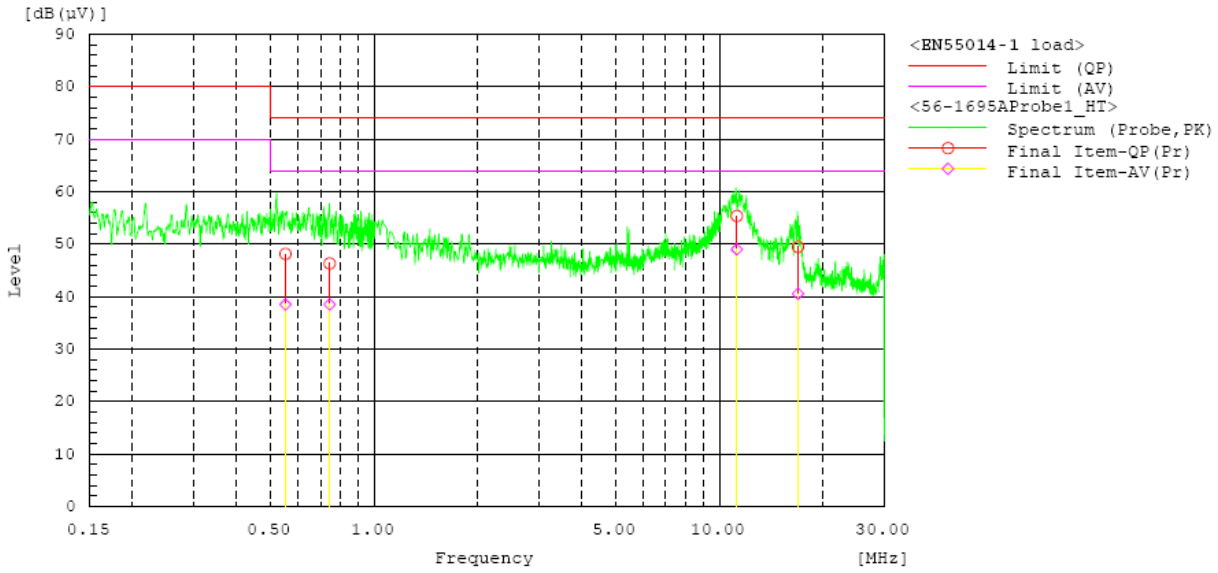
Operation mode A, Interconnection cable E (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	11.078	23.9	16.9	30.6	54.5	47.5	74.0	64.0	19.5	16.5
2	11.574	24.3	18.9	30.6	54.9	49.5	74.0	64.0	19.1	14.5
3	16.040	15.0	6.9	30.6	45.6	37.5	74.0	64.0	28.4	26.5

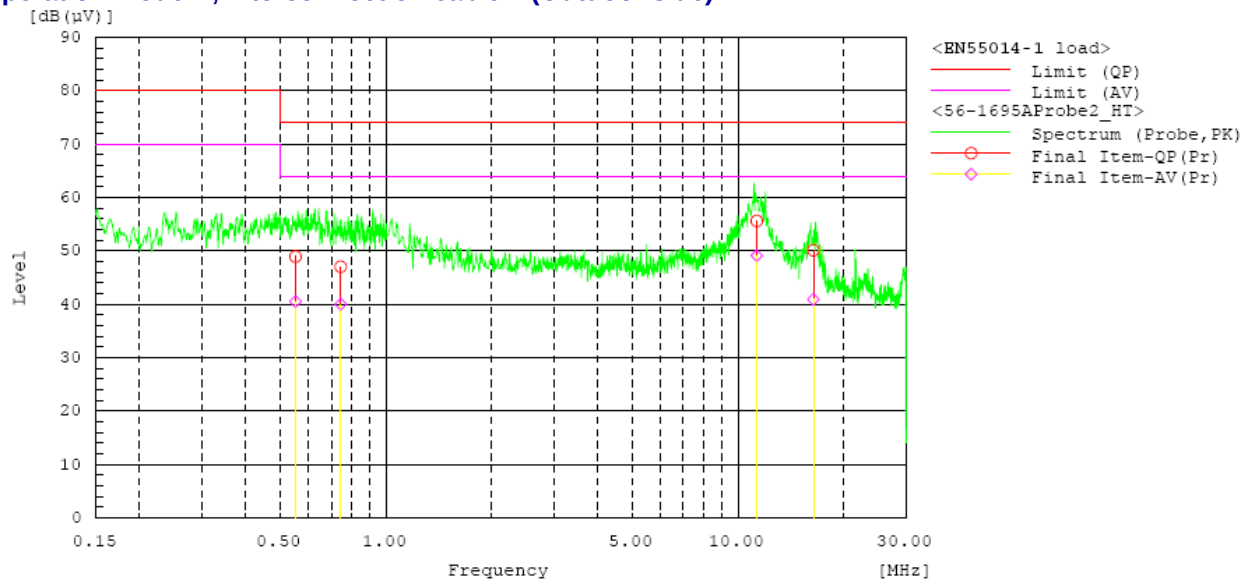
Operation mode B, Interconnection cable 1 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.55427	17.7	8.1	30.4	48.1	38.5	74.0	64.0	25.9	25.5
2	0.7441	15.9	8.1	30.4	46.3	38.5	74.0	64.0	27.7	25.5
3	11.2448	24.8	18.4	30.6	55.4	49.0	74.0	64.0	18.6	15.0
4	16.9112	18.9	9.9	30.6	49.5	40.5	74.0	64.0	24.5	23.5

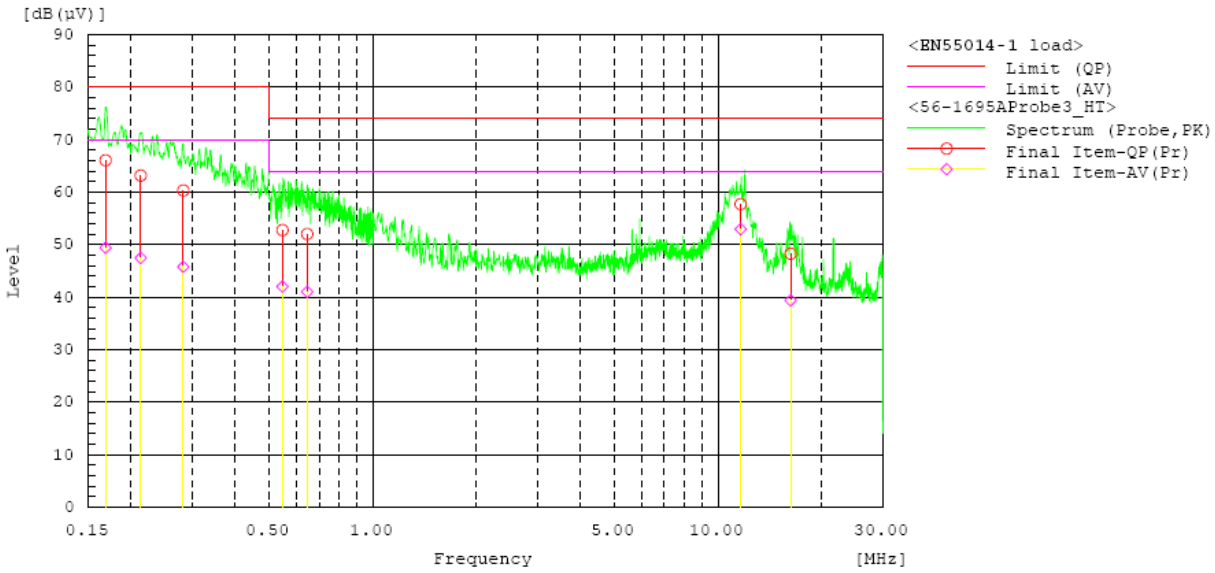
Operation mode B, Interconnection cable 2 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.55415	18.5	10.1	30.4	48.9	40.5	74.0	64.0	25.1	23.5
2	0.74415	16.6	9.6	30.4	47.0	40.0	74.0	64.0	27.0	24.0
3	11.3148	25.0	18.5	30.6	55.6	49.1	74.0	64.0	18.4	14.9
4	16.385	19.5	10.3	30.6	50.1	40.9	74.0	64.0	23.9	23.1

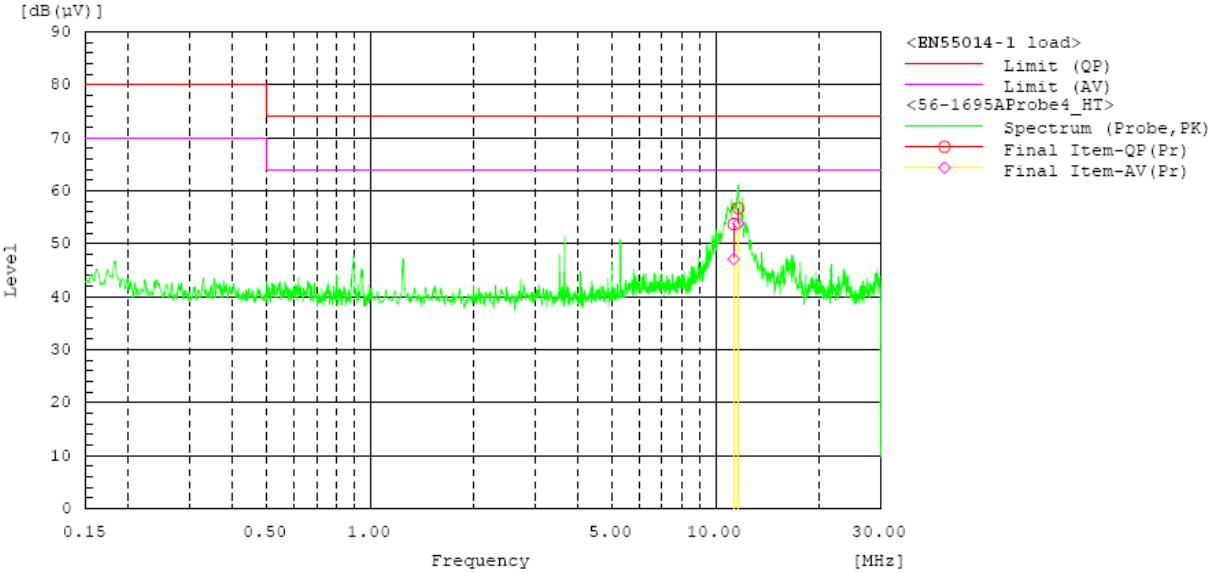
Operation mode B, Interconnection cable 3 (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16856	35.7	19.0	30.4	66.1	49.4	80.0	70.0	13.9	20.6
2	0.21306	32.8	17.0	30.4	63.2	47.4	80.0	70.0	16.8	22.6
3	0.2831	29.9	15.4	30.4	60.3	45.8	80.0	70.0	19.7	24.2
4	0.5484	22.3	11.6	30.4	52.7	42.0	74.0	64.0	21.3	22.0
5	0.64638	21.6	10.6	30.4	52.0	41.0	74.0	64.0	22.0	23.0
6	11.6376	27.1	22.3	30.6	57.7	52.9	74.0	64.0	16.3	11.1
7	16.2484	17.6	8.8	30.6	48.2	39.4	74.0	64.0	25.8	24.6

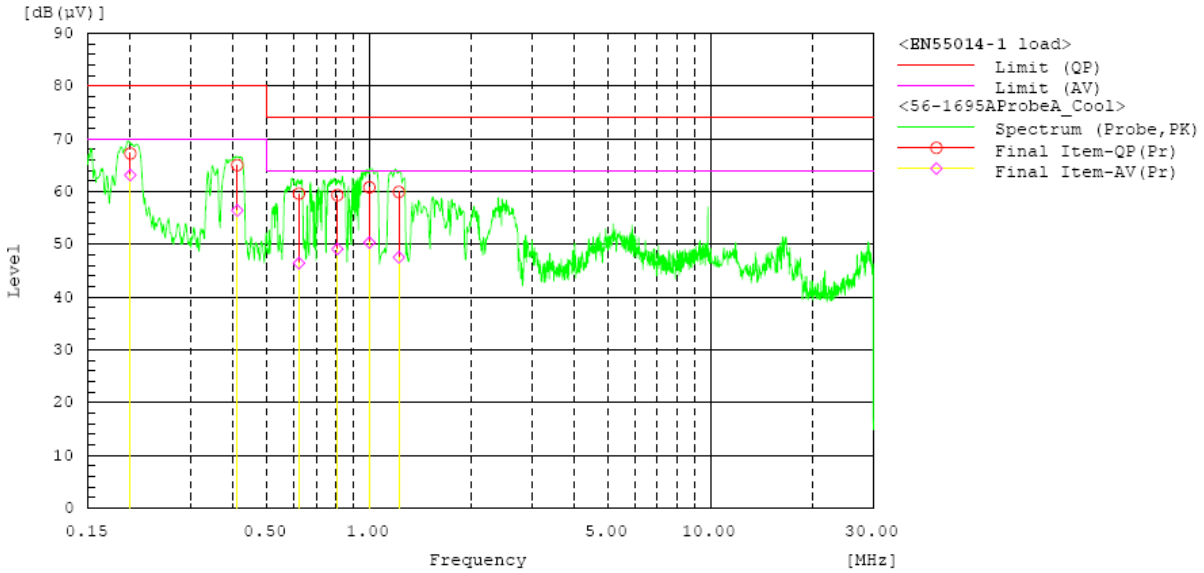
Operation mode B, Interconnection cable E (Outdoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	11.2816	23.1	16.5	30.6	53.7	47.1	74.0	64.0	20.3	16.9
2	11.6412	26.1	23.2	30.6	56.7	53.8	74.0	64.0	17.3	10.2

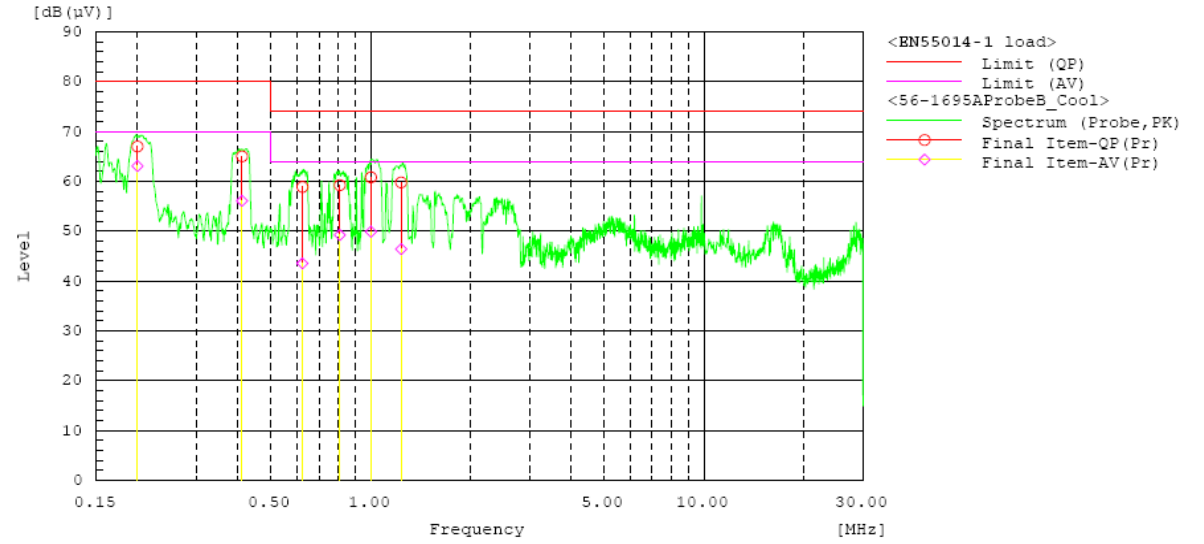
Figure 47: Spectral Diagram, Continuous Disturbance Voltage – Wired remote control cable; Operation mode A, Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.19998	36.8	32.7	30.4	67.2	63.1	80.0	70.0	12.8	6.9
2	0.41118	34.6	26.0	30.4	65.0	56.4	80.0	70.0	15.0	13.6
3	0.6239	29.2	16.0	30.4	59.6	46.4	74.0	64.0	14.4	17.6
4	0.80837	28.9	18.7	30.4	59.3	49.1	74.0	64.0	14.7	14.9
5	1.00303	30.4	19.9	30.4	60.8	50.3	74.0	64.0	13.2	13.7
6	1.223	29.5	17.1	30.4	59.9	47.5	74.0	64.0	14.1	16.5

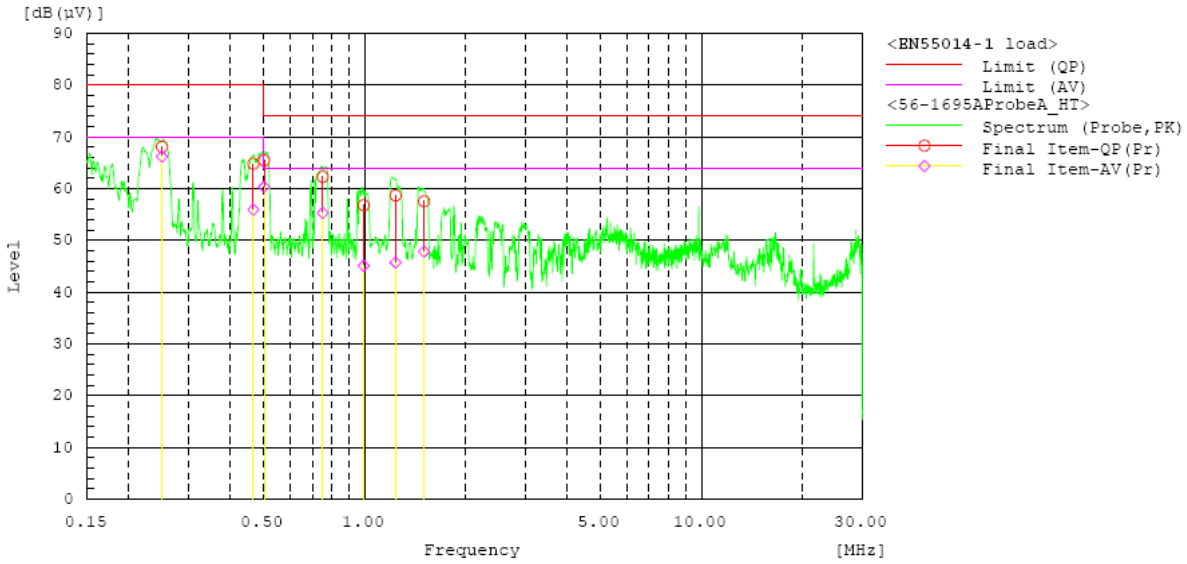
Wired remote control cable B (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.19978	36.6	32.7	30.4	67.0	63.1	80.0	70.0	13.0	6.9
2	0.41158	34.6	25.7	30.4	65.0	56.1	80.0	70.0	15.0	13.9
3	0.6249	28.4	13.1	30.4	58.8	43.5	74.0	64.0	15.2	20.5
4	0.80853	28.8	18.8	30.4	59.2	49.2	74.0	64.0	14.8	14.8
5	1.00304	30.4	19.5	30.4	60.8	49.9	74.0	64.0	13.2	14.1
6	1.2352	29.4	16.0	30.4	59.8	46.4	74.0	64.0	14.2	17.6

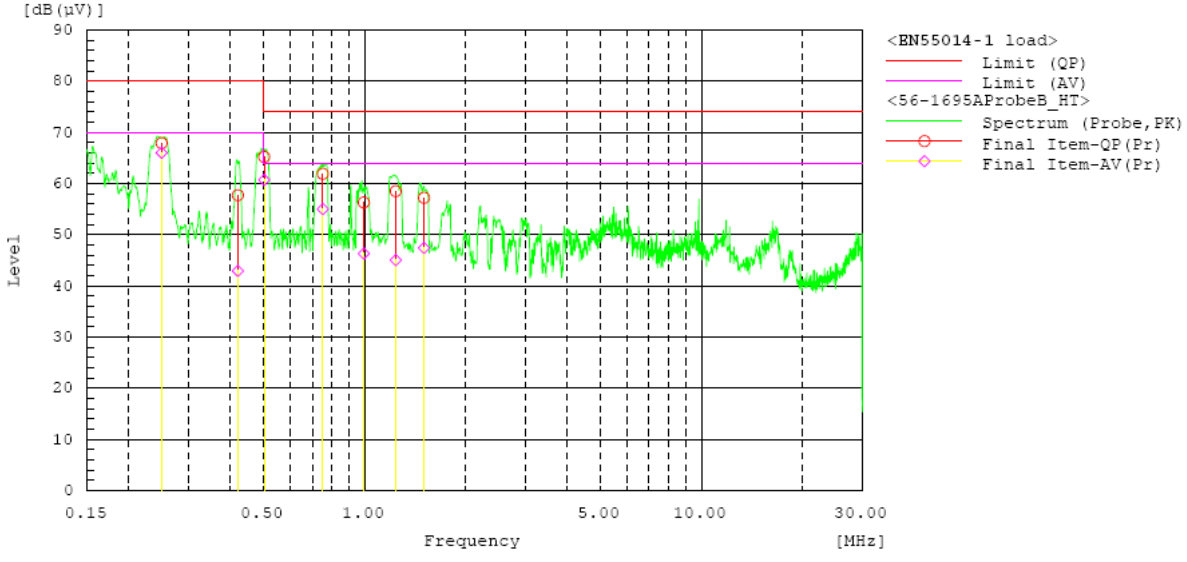
Operation mode B, Wired remote control cable A (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.25043	37.7	35.8	30.4	68.1	66.2	80.0	70.0	11.9	3.8
2	0.46813	34.4	25.5	30.4	64.8	55.9	80.0	70.0	15.2	14.1
3	0.50367	35.0	29.9	30.4	65.5	60.3	74.0	64.0	8.5	3.7
4	0.75214	31.9	24.9	30.4	62.3	55.3	74.0	64.0	11.7	8.7
5	0.99451	26.4	14.7	30.4	56.8	45.1	74.0	64.0	17.2	18.9
6	1.23816	28.3	15.3	30.4	58.7	45.7	74.0	64.0	15.3	18.3
7	1.5036	27.1	17.4	30.4	57.5	47.8	74.0	64.0	16.5	16.2

Wired remote control cable B (Indoor side)



--- Probe Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading CAV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result CAV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin CAV [dB]
1	0.25013	37.5	35.6	30.4	67.9	66.0	80.0	70.0	12.1	4.0
2	0.4211	27.3	12.5	30.4	57.7	42.9	80.0	70.0	22.3	27.1
3	0.50377	34.8	30.3	30.4	65.2	60.7	74.0	64.0	8.8	3.3
4	0.75225	31.5	24.6	30.4	61.9	55.0	74.0	64.0	12.1	9.0
5	0.9951	25.9	15.9	30.4	56.3	46.3	74.0	64.0	17.7	17.7
6	1.23885	28.1	14.6	30.4	58.5	45.0	74.0	64.0	15.5	19.0
7	1.5033	26.8	17.0	30.4	57.2	47.4	74.0	64.0	16.8	16.6

5.1.4 Discontinuous Disturbance

RESULT: **PASSED**

Date of testing : 2018.01.03 – 2018.02.21

Test procedure : EN 55014-1:2017
Frequency range : 0.15 - 30MHz
Kind of test site : shielded room
Limits : EN 55014-1:2017, Clause 4.2

Input Voltage : AC 230V, 50Hz
Operation mode : A, D

Table 4: Test results of Discontinuous Disturbance Voltage

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E
SET UP 3 : RAV-RM801KRTP-E/RAV-GM801ATP-E
SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1
SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E
SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1
SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

	Neutral			
	Rx1 150KHz	**Rx2 500KHz**	**Rx3 1.4MHz**	**Rx4 30MHz**
Limit dBµV	66	56	56	60
Clicks over limit	0	0	0	0
Continuous Events	0	0	0	0
Switch Op	0	0	0	0
2 Click	0	0	0	0
Continuous Time	0	0	0	0
N	0	0	0	0
Duration of test (min)	120	120	120	120

Test result with new limit				
Limit dBµV	--	--	--	--
Clicks over new limit	--	--	--	--
Allowed Clicks	--	--	--	--
Result	Pass	Pass	Pass	Pass

Note: No Click observed on both operation modes.

5.2 Emission in the Frequency Range above 30 MHz

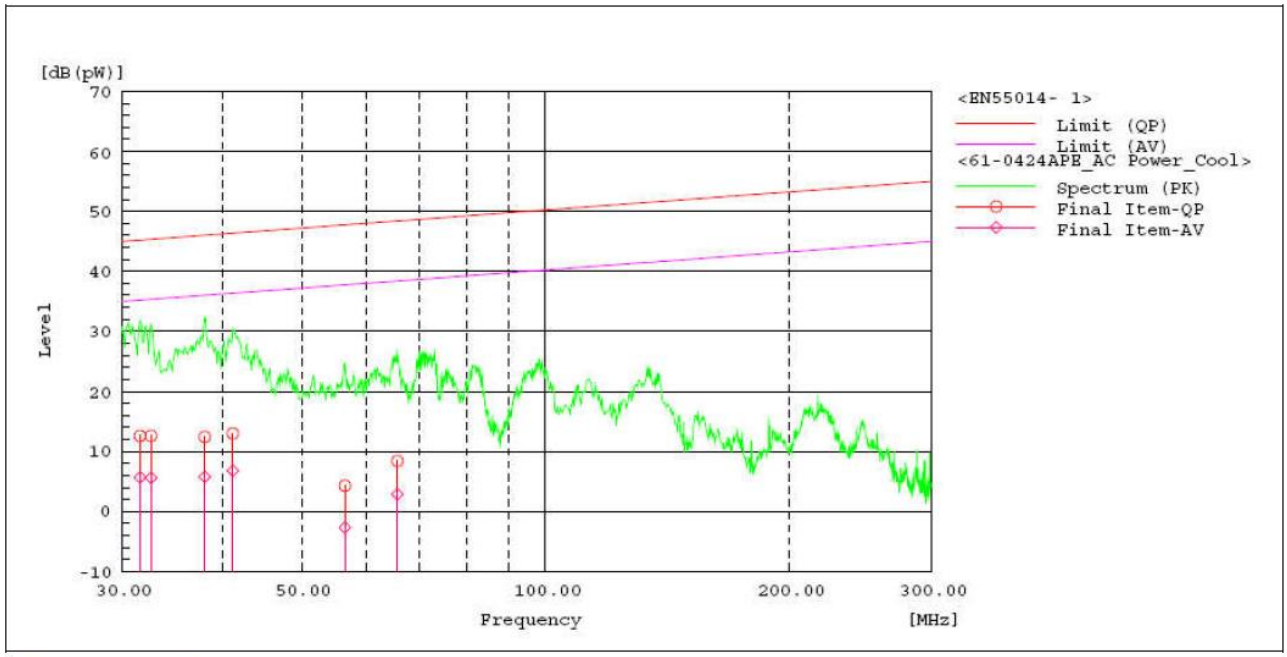
5.2.1 Disturbance Power

RESULT: **PASSED**

Date of testing	:	2018.01.03 – 2018.02.21
Port	:	AC Mains
Test procedure	:	EN 55014-1:2017
Frequency range	:	30 - 300MHz
Kind of test site	:	shielded room
Limits	:	EN 55014-1:2017, Clause 4.1.2, Table 2
Input Voltage	:	AC 230V, 50Hz
Operation mode	:	A, D

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

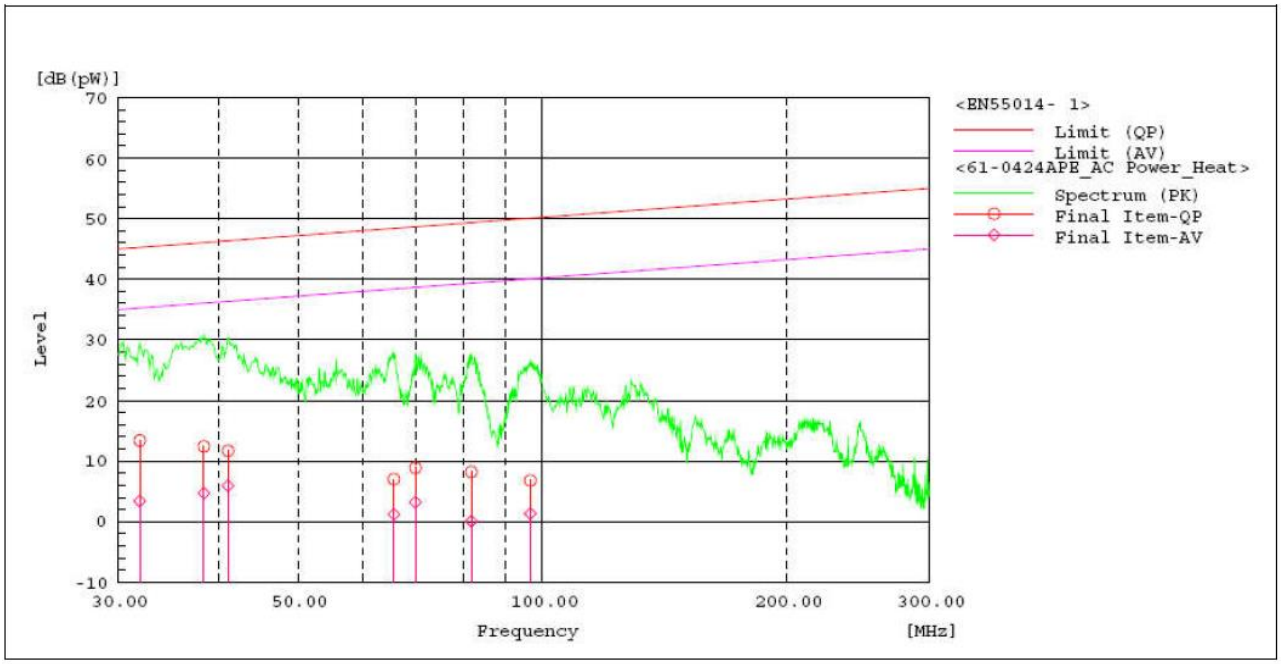
Figure 48: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; AC mains; Operation mode A



Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	31.571	39.3	32.4	-26.7	12.6	5.7	45.2	35.2	32.6	29.5
2	32.580	39.4	32.4	-26.8	12.6	5.6	45.4	35.4	32.8	29.8
3	37.965	40.4	33.8	-28.0	12.4	5.8	46.0	36.0	33.6	30.2
4	41.106	41.6	35.4	-28.6	13.0	6.8	46.4	36.4	33.4	29.6
5	56.587	33.7	26.7	-29.4	4.3	-2.7	47.8	37.8	43.5	40.5
6	65.673	37.9	32.4	-29.5	8.4	2.9	48.4	38.4	40.0	35.5

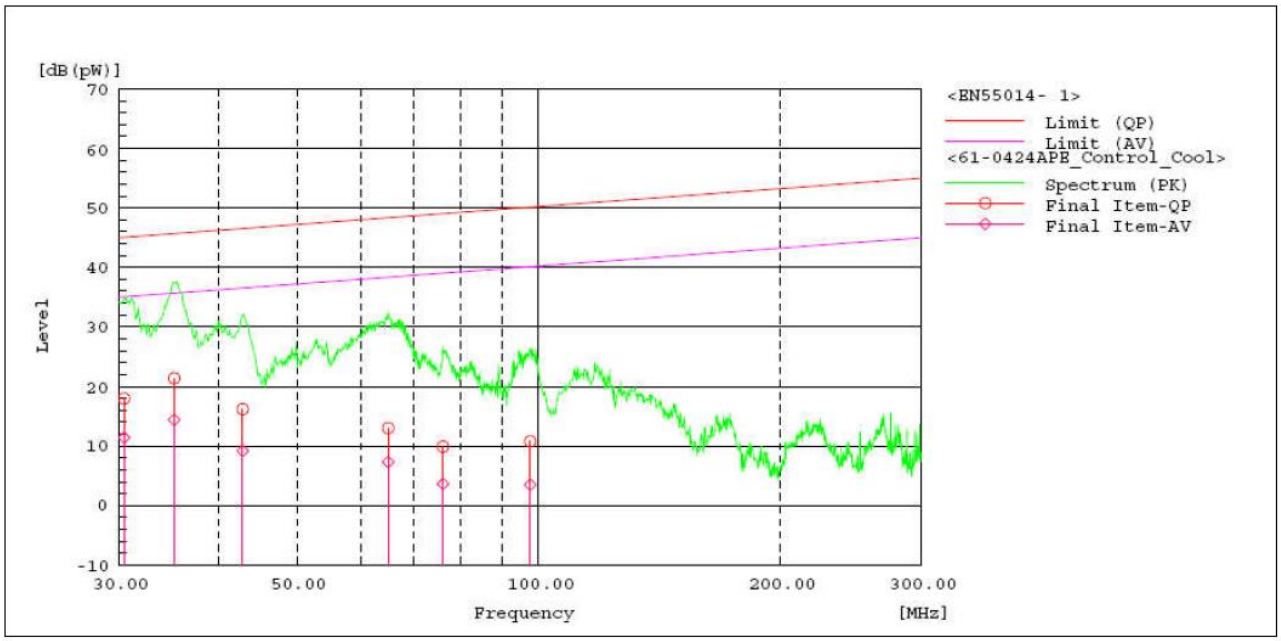
Operation mode D



Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	31.907	40.1	30.1	-26.7	13.4	3.4	45.3	35.3	31.9	31.9
2	38.301	40.5	32.8	-28.1	12.4	4.7	46.1	36.1	33.7	31.4
3	40.994	40.3	34.5	-28.6	11.7	5.9	46.4	36.4	34.7	30.5
4	65.673	36.5	30.7	-29.5	7.0	1.2	48.4	38.4	41.4	37.2
5	69.824	38.4	32.7	-29.5	8.9	3.2	48.7	38.7	39.8	35.5
6	81.827	37.5	29.4	-29.3	8.2	0.1	49.4	39.4	41.2	39.3
7	96.747	35.7	30.2	-28.9	6.8	1.3	50.1	40.1	43.3	38.8

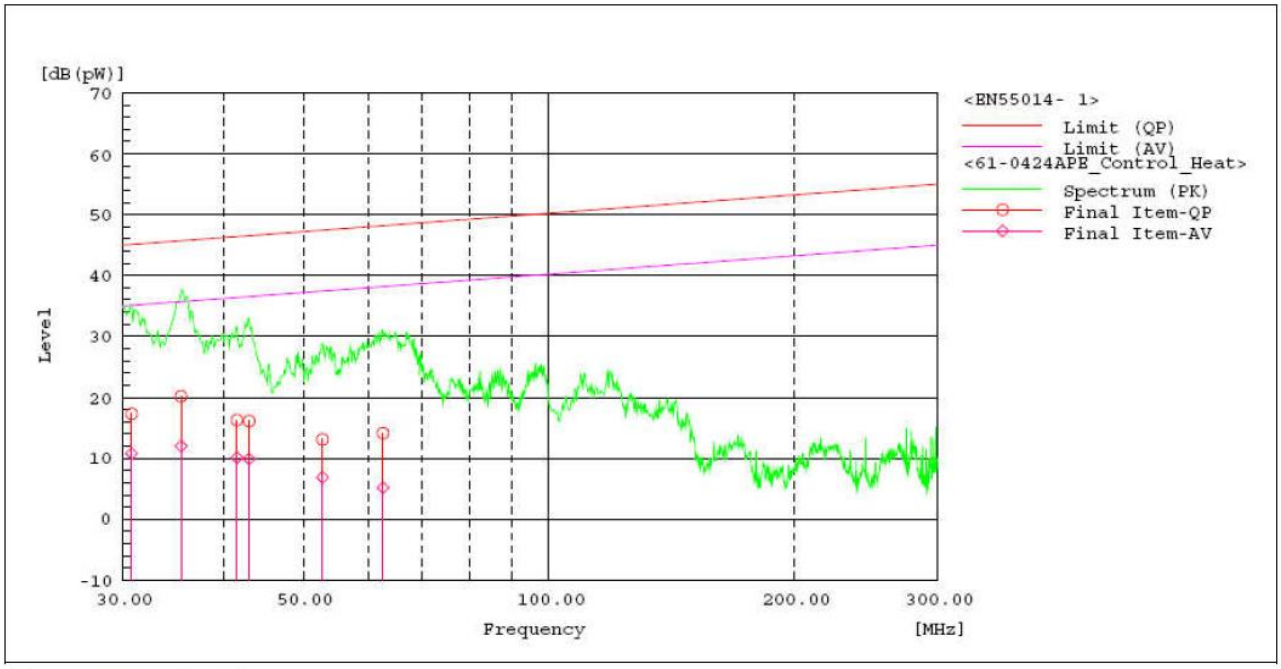
Figure 49: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Control unit A; Operation mode A



Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	30.449	44.5	37.9	-26.5	18.0	11.4	45.1	35.1	27.1	23.7
2	35.160	48.7	41.7	-27.3	21.4	14.4	45.7	35.7	24.3	21.3
3	42.788	44.9	37.9	-28.7	16.2	9.2	46.5	36.5	30.3	27.3
4	65.000	42.5	36.8	-29.5	13.0	7.3	48.4	38.4	35.4	31.1
5	76.106	39.4	33.1	-29.5	9.9	3.6	49.0	39.0	39.1	35.4
6	97.759	39.7	32.4	-28.9	10.8	3.5	50.1	40.1	39.3	36.6

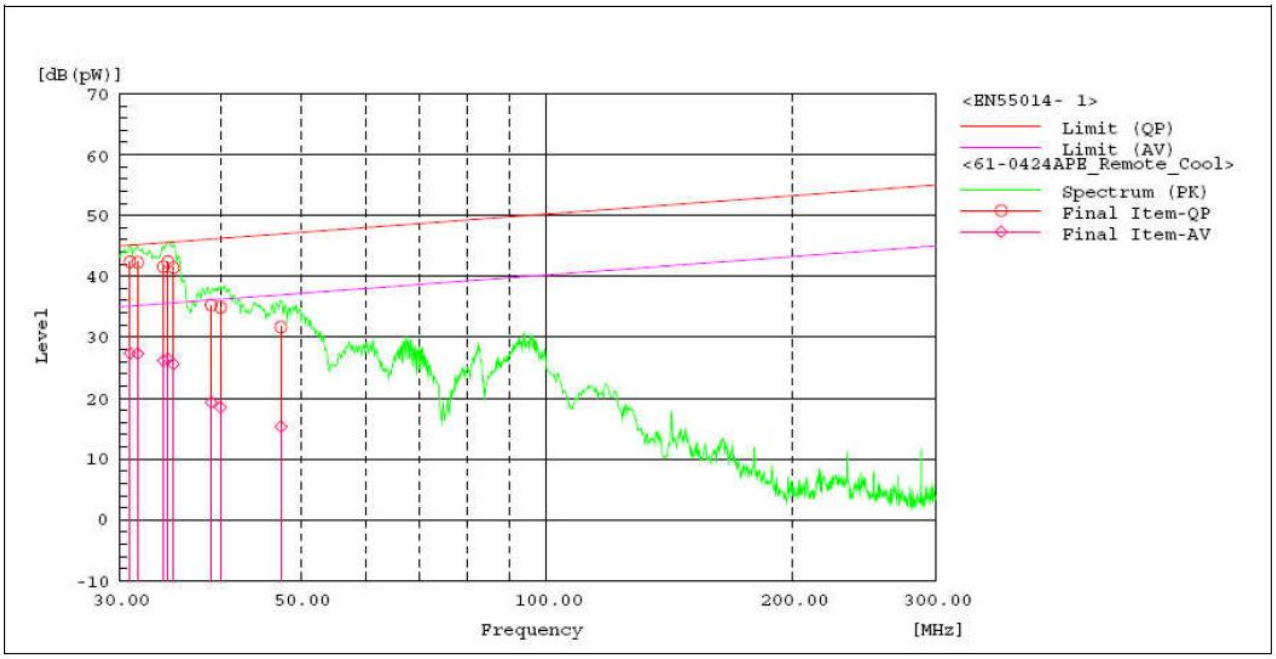
Operation mode D



Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	30.785	43.9	37.4	-26.6	17.3	10.8	45.1	35.1	27.8	24.3
2	35.385	47.6	39.4	-27.4	20.2	12.0	45.7	35.7	25.5	23.7
3	41.442	44.9	38.7	-28.6	16.3	10.1	46.4	36.4	30.1	26.3
4	42.901	44.8	38.6	-28.7	16.1	9.9	46.6	36.6	30.5	26.7
5	52.772	42.4	36.2	-29.3	13.1	6.9	47.5	37.5	34.4	30.6
6	62.644	43.5	34.6	-29.4	14.1	5.2	48.2	38.2	34.1	33.0

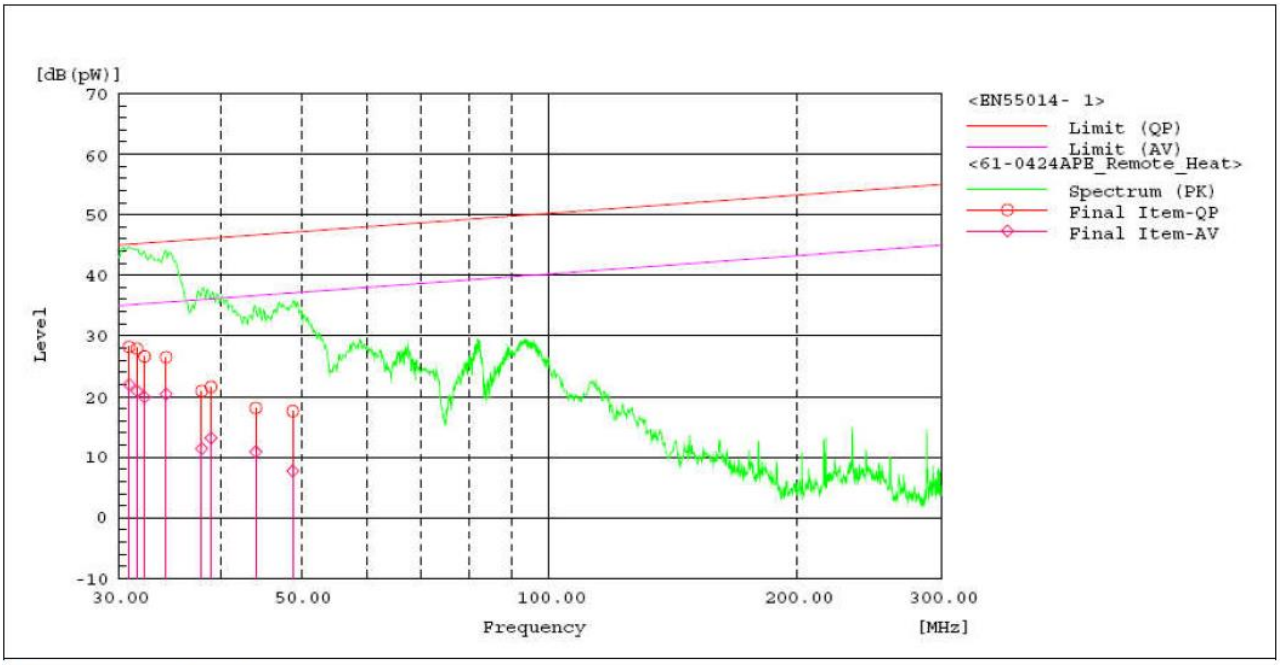
Figure 50: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Remote; Operation mode A



Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	30.897	69.0	54.0	-26.6	42.4	27.4	45.1	35.1	2.7	7.7
2	31.571	69.0	54.0	-26.7	42.3	27.3	45.2	35.2	2.9	7.9
3	33.926	68.7	53.3	-27.1	41.6	26.2	45.5	35.5	3.9	9.3
4	34.375	69.6	53.7	-27.2	42.4	26.5	45.6	35.6	3.2	9.1
5	34.936	68.7	52.9	-27.3	41.4	25.6	45.7	35.7	4.3	10.1
6	38.862	63.5	47.5	-28.2	35.3	19.3	46.1	36.1	10.8	16.8
7	39.872	63.3	46.9	-28.4	34.9	18.5	46.2	36.2	11.3	17.7
8	47.276	60.7	44.3	-29.0	31.7	15.3	47.0	37.0	15.3	21.7

Operation mode D

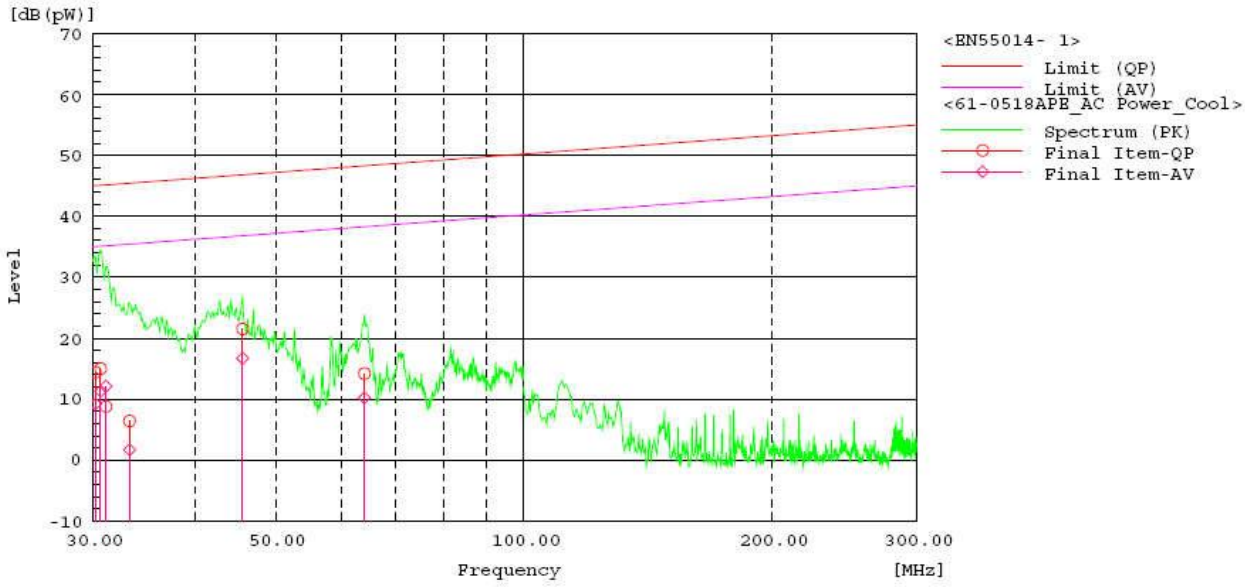


Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	30.897	54.8	48.6	-26.6	28.2	22.0	45.1	35.1	16.9	13.1
2	31.571	54.6	47.6	-26.7	27.9	20.9	45.2	35.2	17.3	14.3
3	32.244	53.4	46.7	-26.8	26.6	19.9	45.3	35.3	18.7	15.4
4	34.263	53.6	47.5	-27.1	26.5	20.4	45.6	35.6	19.1	15.2
5	37.853	48.9	39.4	-28.0	20.9	11.4	46.0	36.0	25.1	24.6
6	38.862	49.8	41.4	-28.2	21.6	13.2	46.1	36.1	24.5	22.9
7	44.022	46.9	39.7	-28.8	18.1	10.9	46.7	36.7	28.6	25.8
8	48.846	46.7	36.8	-29.1	17.6	7.7	47.1	37.1	29.5	29.4

SET UP 3 : RAV-RM801KRTP-E/RAV-GM801ATP-E

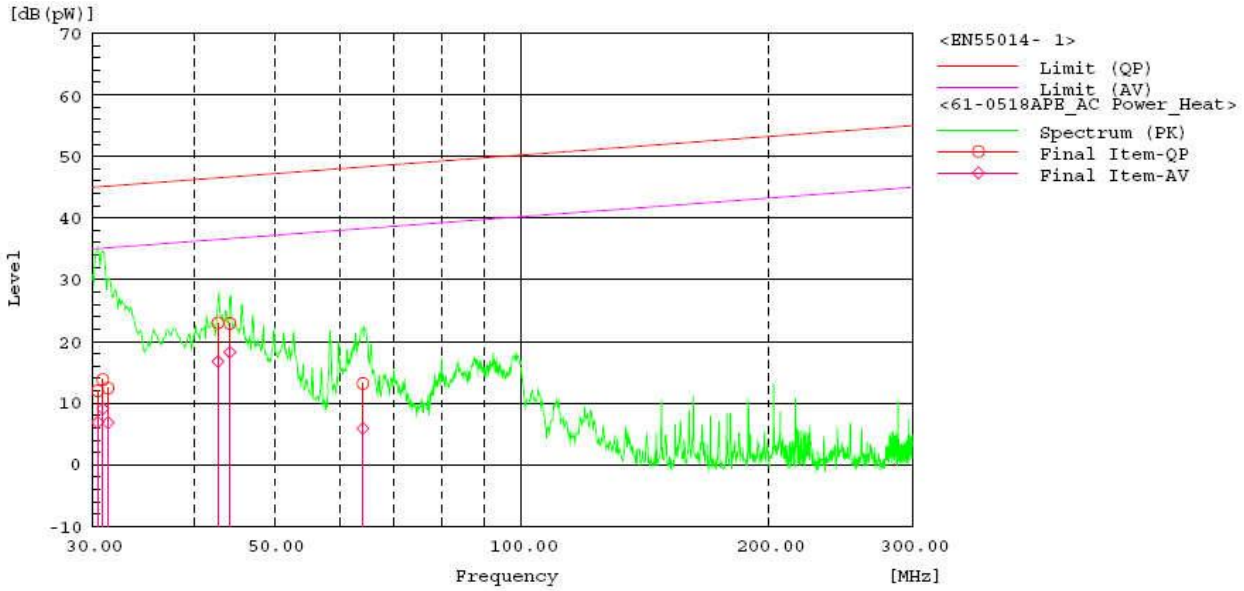
Figure 51: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; AC mains; Operation mode A



Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	30.225	40.9	35.7	-26.5	14.4	9.2	45.0	35.0	30.6	25.8
2	30.673	41.5	37.8	-26.5	15.0	11.3	45.1	35.1	30.1	23.8
3	31.122	35.4	38.7	-26.6	8.8	12.1	45.2	35.2	36.4	23.1
4	33.253	33.4	28.7	-27.0	6.4	1.7	45.4	35.4	39.0	33.7
5	45.593	50.4	45.6	-28.9	21.5	16.7	46.8	36.8	25.3	20.1
6	64.103	43.7	39.7	-29.5	14.2	10.2	48.3	38.3	34.1	28.1

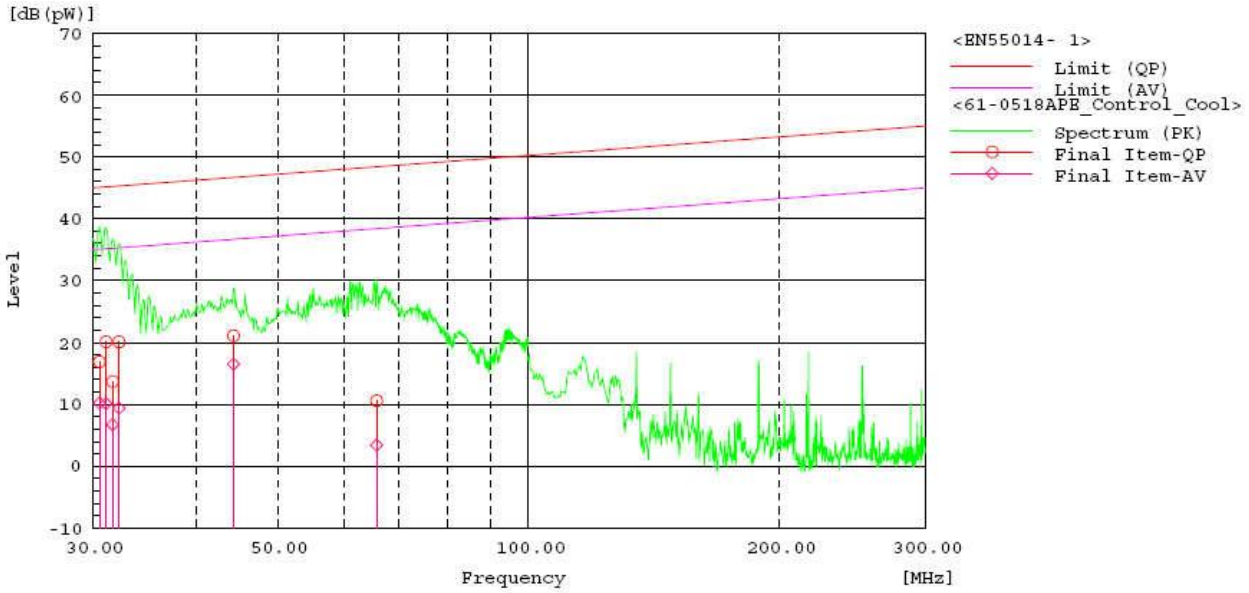
Operation mode D



Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	30.449	38.5	33.4	-26.5	12.0	6.9	45.1	35.1	33.1	28.2
2	30.897	40.4	35.7	-26.6	13.8	9.1	45.1	35.1	31.3	26.0
3	31.346	39.0	33.4	-26.6	12.4	6.8	45.2	35.2	32.8	28.4
4	42.676	51.7	45.4	-28.7	23.0	16.7	46.5	36.5	23.5	19.8
5	44.135	51.7	47.1	-28.8	22.9	18.3	46.7	36.7	23.8	18.4
6	64.103	42.7	35.4	-29.5	13.2	5.9	48.3	38.3	35.1	32.4

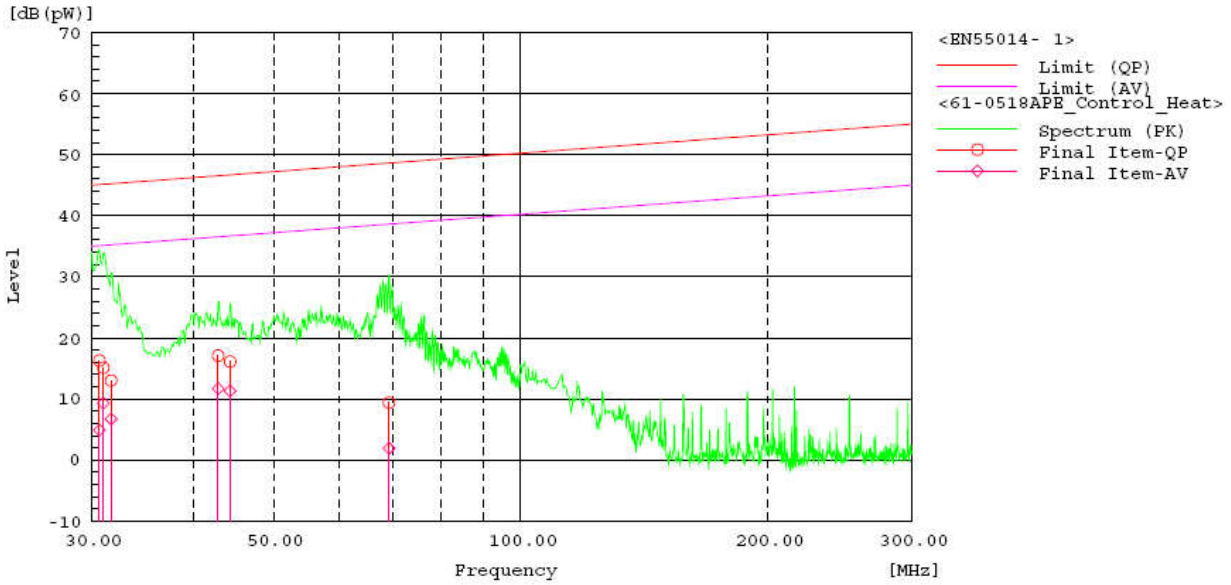
Figure 52: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Control; Operation mode A



Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	30.561	43.4	36.7	-26.5	16.9	10.2	45.1	35.1	28.2	24.9
2	31.122	46.7	36.7	-26.6	20.1	10.1	45.2	35.2	25.1	25.1
3	31.683	40.4	33.4	-26.7	13.7	6.7	45.2	35.2	31.5	28.5
4	32.244	46.9	36.2	-26.8	20.1	9.4	45.3	35.3	25.2	25.9
5	44.247	49.9	45.3	-28.8	21.1	16.5	46.7	36.7	25.6	20.2
6	65.785	40.1	32.9	-29.5	10.6	3.4	48.4	38.4	37.8	35.0

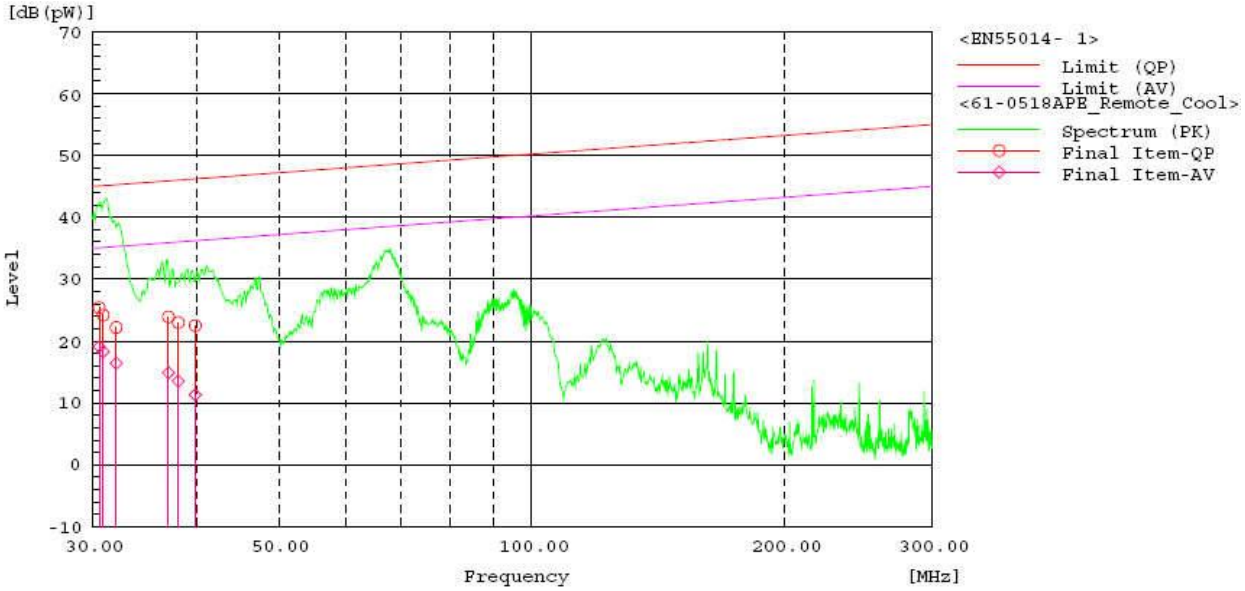
Operation mode D



Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	30.673	42.8	31.4	-26.5	16.3	4.9	45.1	35.1	28.8	30.2
2	31.010	41.7	35.9	-26.6	15.1	9.3	45.1	35.1	30.0	25.8
3	31.683	39.7	33.4	-26.7	13.0	6.7	45.2	35.2	32.2	28.5
4	42.788	45.8	40.4	-28.7	17.1	11.7	46.5	36.5	29.4	24.8
5	44.247	44.9	40.1	-28.8	16.1	11.3	46.7	36.7	30.6	25.4
6	69.151	38.9	31.4	-29.5	9.4	1.9	48.6	38.6	39.2	36.7

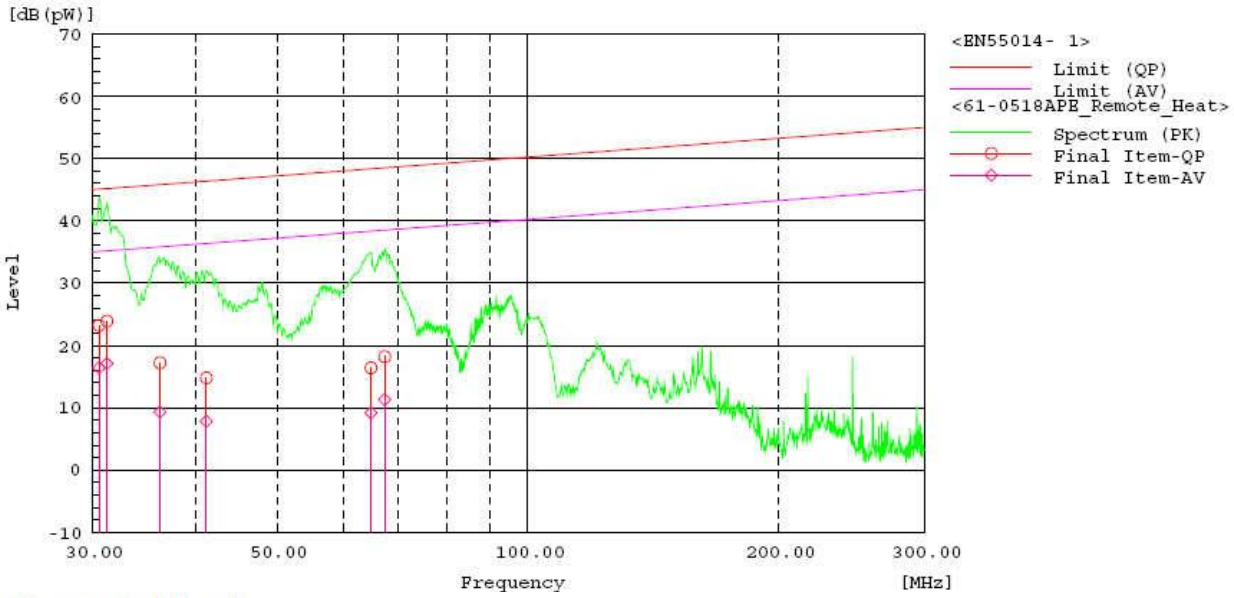
Figure 53: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Remote; Operation mode A



Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	30.561	51.9	45.6	-26.5	25.4	19.1	45.1	35.1	19.7	16.0
2	30.897	50.8	44.9	-26.6	24.2	18.3	45.1	35.1	20.9	16.8
3	32.019	48.9	43.1	-26.7	22.2	16.4	45.3	35.3	23.1	18.9
4	36.946	51.7	42.7	-27.8	23.9	14.9	45.9	35.9	22.0	21.0
5	37.965	51.0	41.5	-28.0	23.0	13.5	46.0	36.0	23.0	22.5
6	39.760	50.9	39.7	-28.4	22.5	11.3	46.2	36.2	23.7	24.9

Operation mode D

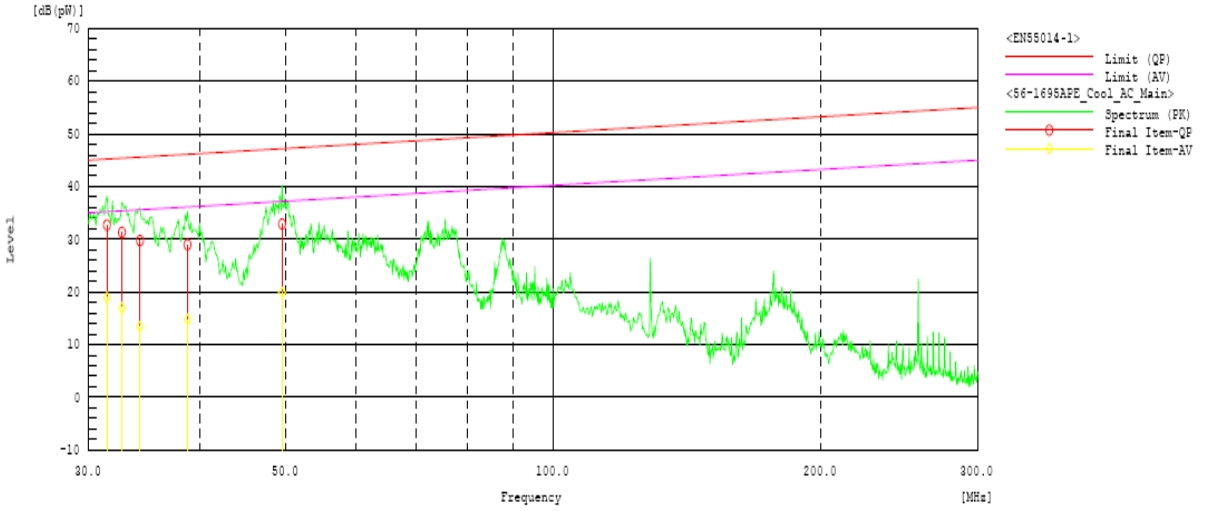


Measurement Result.

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]
1	30.561	49.7	42.9	-26.5	23.2	16.4	45.1	35.1	21.9	18.7
2	31.234	50.5	43.7	-26.6	23.9	17.1	45.2	35.2	21.3	18.1
3	36.170	44.8	36.9	-27.6	17.2	9.3	45.8	35.8	28.6	26.5
4	41.106	43.4	36.4	-28.6	14.8	7.8	46.4	36.4	31.6	28.6
5	64.888	45.9	38.7	-29.5	16.4	9.2	48.4	38.4	32.0	29.2
6	67.356	47.7	40.8	-29.5	18.2	11.3	48.5	38.5	30.3	27.2

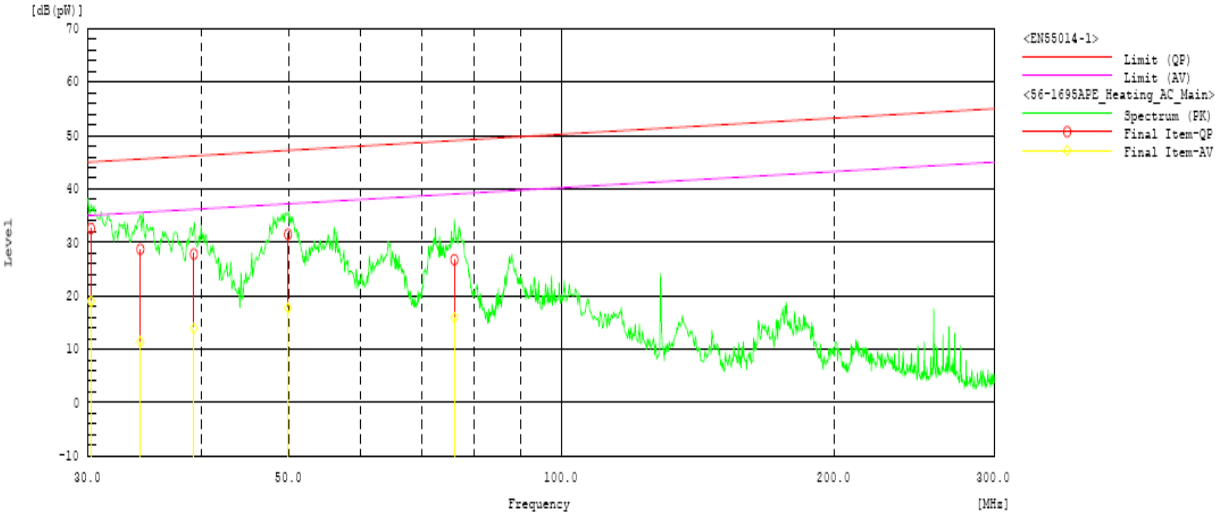
SET UP 4 : RAV-SM1401UTP-E/RAV-GM1401ATP-E

Figure 54: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; AC main; Operation mode A



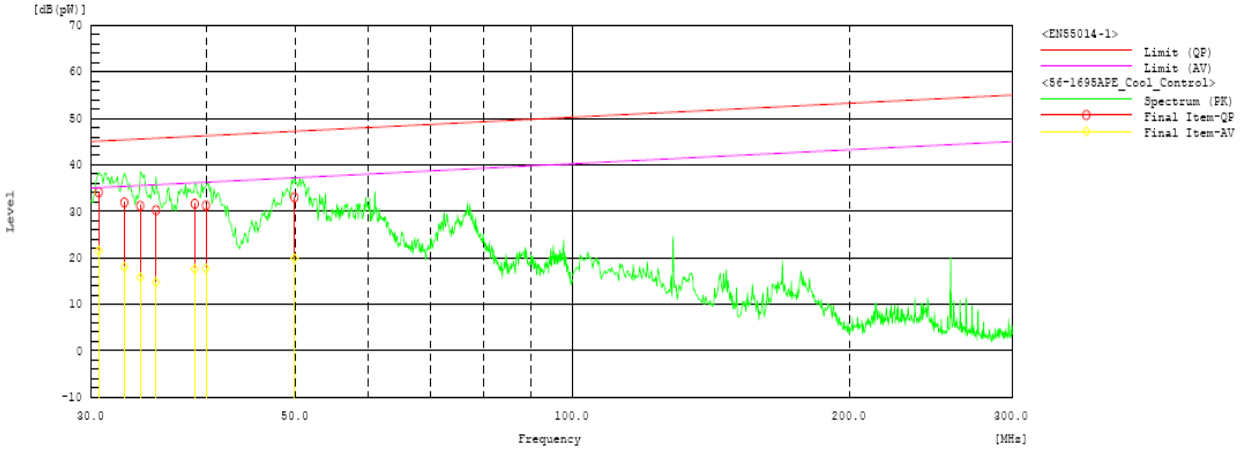
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	31.458	54.9	41.1	-22.2	32.7	18.9	45.2	35.2	12.5	16.3	139.0
2	32.692	53.8	39.5	-22.5	31.3	17.0	45.4	35.4	14.1	18.4	105.0
3	34.263	52.6	36.2	-22.8	29.8	13.4	45.6	35.6	15.8	22.2	86.0
4	38.750	52.1	37.9	-23.1	29.0	14.8	46.1	36.1	17.1	21.3	60.0
5	49.519	57.2	44.2	-24.3	32.9	19.9	47.2	37.2	14.3	17.3	10.0

Operation mode B



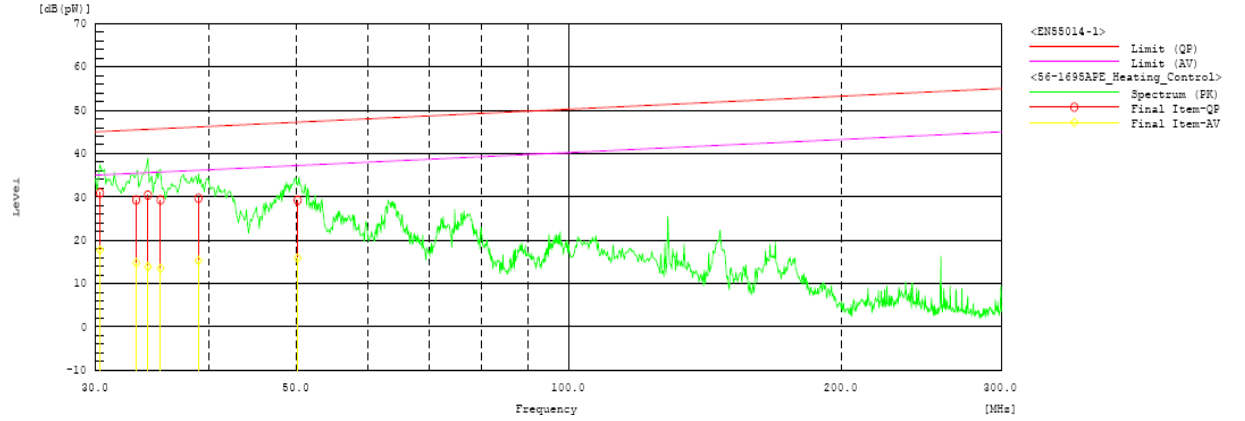
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.224	54.5	40.9	-21.9	32.6	19.0	45.0	35.0	12.4	16.0	158.0
2	34.260	51.5	34.2	-22.8	28.7	11.4	45.6	35.6	16.9	24.2	165.0
3	39.260	51.0	37.1	-23.2	27.8	13.9	46.2	36.2	18.4	22.3	41.0
4	49.856	55.8	42.0	-24.3	31.5	17.7	47.2	37.2	15.7	19.5	0.0
5	76.100	52.0	41.1	-25.2	26.8	15.9	49.0	39.0	22.2	23.1	44.0

Figure 55: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Interconnection cable; Operation mode A, Outdoor side.



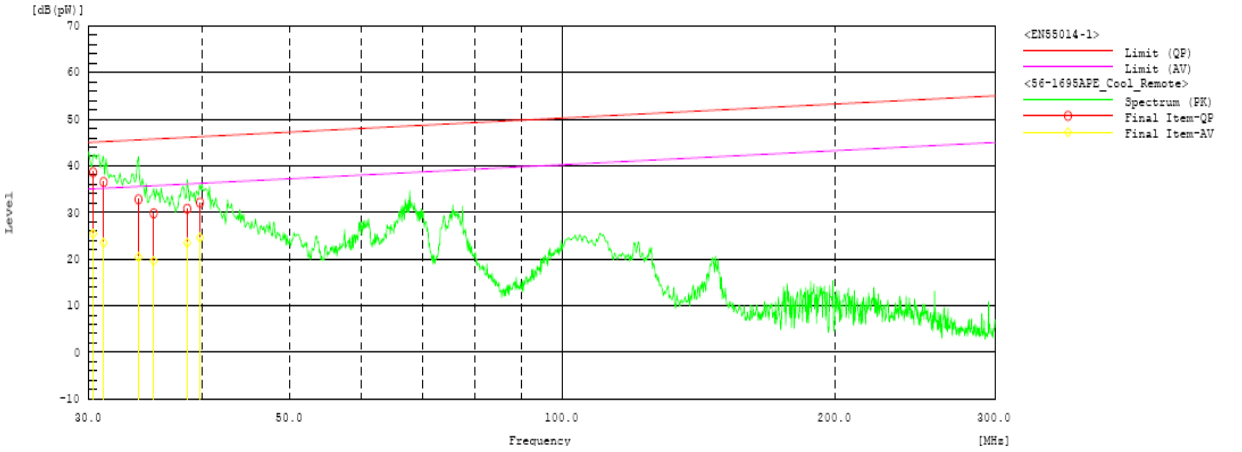
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.561	56.1	43.5	-22.0	34.1	21.5	45.1	35.1	11.0	13.6	138.0
2	32.580	54.4	40.6	-22.5	31.9	18.1	45.4	35.4	13.5	17.3	85.0
3	33.900	54.0	38.6	-22.8	31.2	15.8	45.5	35.5	14.3	19.7	76.0
4	35.270	53.2	37.8	-23.0	30.2	14.8	45.7	35.7	15.5	20.9	58.0
5	38.860	54.7	40.7	-23.1	31.6	17.6	46.1	36.1	14.5	18.5	27.0
6	39.960	54.5	41.0	-23.3	31.2	17.7	46.2	36.2	15.0	18.5	27.0
7	49.850	57.3	44.2	-24.3	33.0	19.9	47.2	37.2	14.2	17.3	197.0

Operation mode B, Outdoor side.



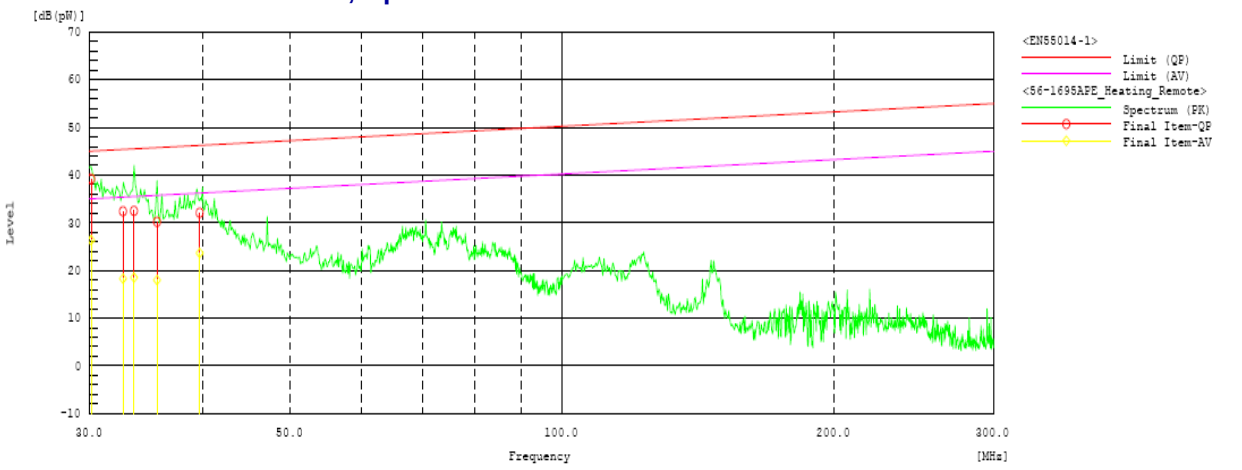
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.337	52.8	39.6	-21.9	30.9	17.7	45.0	35.0	14.1	17.3	151.0
2	33.260	52.0	37.5	-22.7	29.3	14.8	45.4	35.4	16.1	20.6	71.0
3	34.260	53.2	36.7	-22.8	30.4	13.9	45.6	35.6	15.2	21.7	0.0
4	35.389	52.3	36.5	-23.0	29.3	13.5	45.7	35.7	16.4	22.2	0.0
5	38.970	52.9	38.5	-23.2	29.7	15.3	46.1	36.1	16.4	20.8	0.0
6	50.130	53.5	40.2	-24.3	29.2	15.9	47.2	37.2	18.0	21.3	0.0

Figure 56: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Wired remote control cable; Wired remote control cable, Operation mode A



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.330	60.5	47.3	-21.9	38.6	25.4	45.0	35.0	6.4	9.6	236.0
2	31.150	58.6	45.6	-22.1	36.5	23.5	45.2	35.2	8.7	11.7	259.0
3	34.038	55.6	43.2	-22.8	32.8	20.4	45.5	35.5	12.7	15.1	240.0
4	35.381	52.8	42.6	-23.0	29.8	19.6	45.7	35.7	15.9	16.1	251.0
5	38.526	53.9	46.6	-23.1	30.8	23.5	46.1	36.1	15.3	12.6	175.0
6	39.794	55.3	47.8	-23.2	32.1	24.6	46.2	36.2	14.1	11.6	151.0

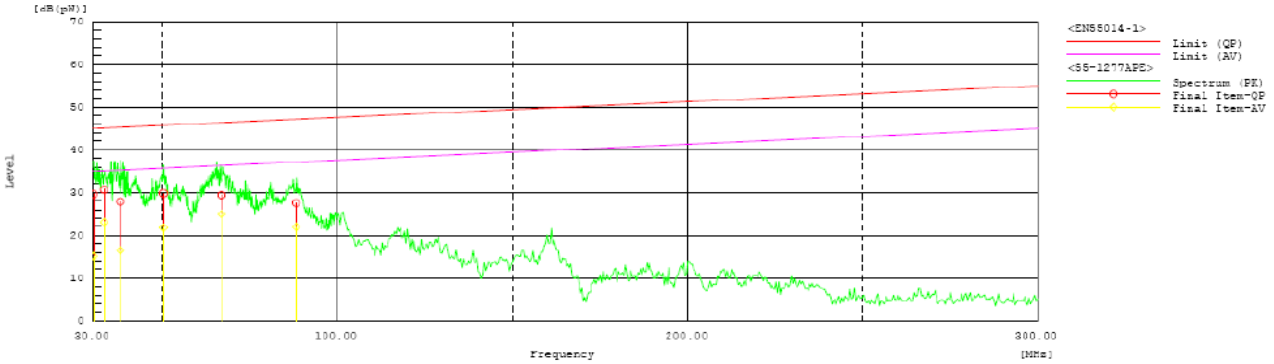
Wired remote control cable, Operation mode B



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.112	61.1	48.2	-21.9	39.2	26.3	45.0	35.0	5.8	8.7	279.0
2	32.650	54.9	40.8	-22.5	32.4	18.3	45.4	35.4	13.0	17.1	329.0
3	33.584	55.2	41.2	-22.7	32.5	18.5	45.5	35.5	13.0	17.0	247.0
4	35.609	53.2	41.0	-23.0	30.2	18.0	45.7	35.7	15.5	17.7	232.0
5	39.698	55.3	46.9	-23.2	32.1	23.7	46.2	36.2	14.1	12.5	157.0

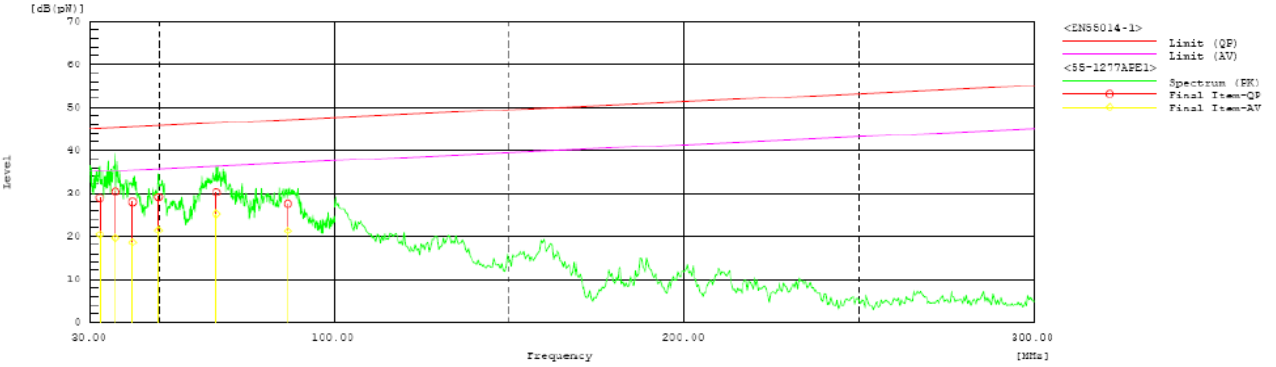
SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

Figure 57: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; AC main; Operation mode A



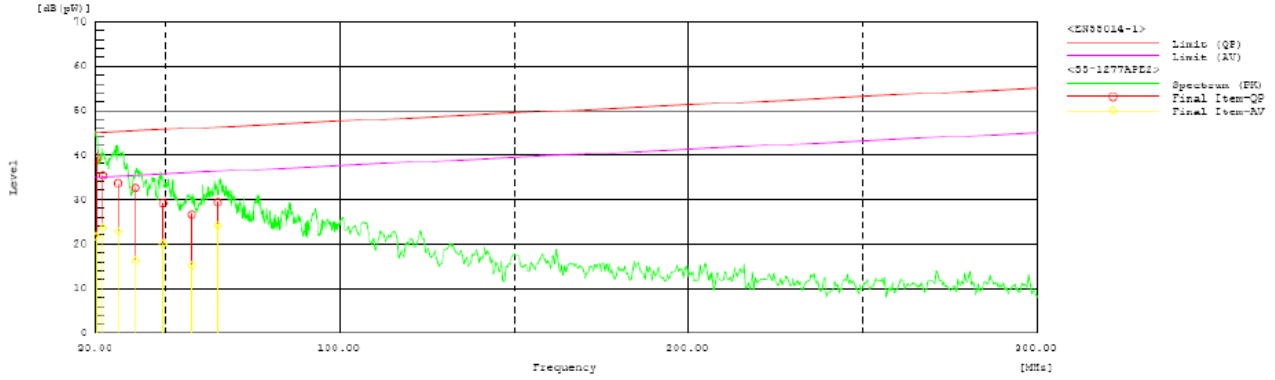
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.160	51.5	37.0	-21.9	29.6	15.1	45.0	35.0	15.4	19.9	168.0
2	33.200	53.4	45.8	-22.7	30.7	23.1	45.1	35.1	14.4	12.0	90.0
3	37.850	51.2	39.8	-23.3	27.9	16.5	45.3	35.3	17.4	18.8	89.0
4	50.250	54.0	46.0	-24.2	29.8	21.8	45.8	35.8	16.0	14.0	0.0
5	66.810	54.2	49.8	-24.8	29.4	25.0	46.4	36.4	17.0	11.4	0.0
6	88.170	52.6	47.0	-25.0	27.6	22.0	47.2	37.2	19.6	15.2	95.0

Operation mode B



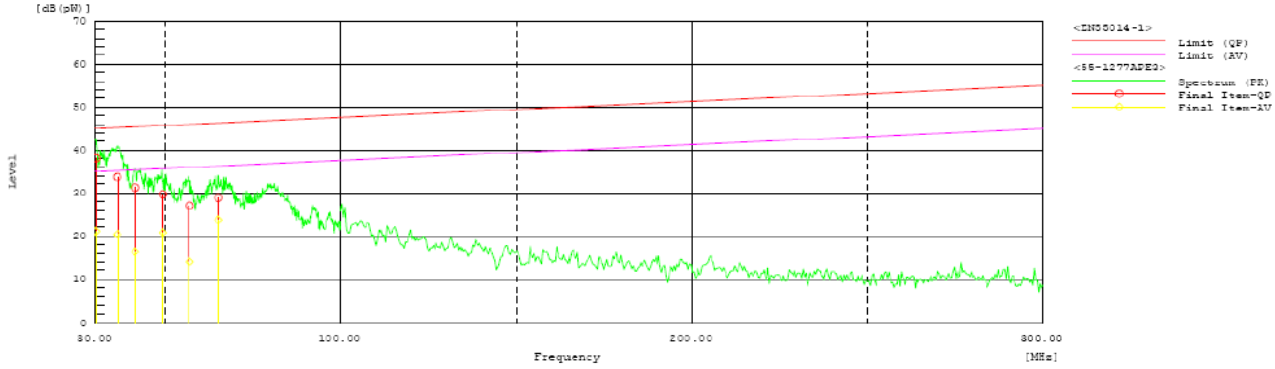
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	32.810	51.5	43.0	-22.6	28.9	20.4	45.1	35.1	16.2	14.7	112.0
2	37.280	53.6	42.8	-23.2	30.4	19.6	45.3	35.3	14.9	15.7	106.0
3	42.250	52.0	42.6	-24.0	28.0	18.6	45.5	35.5	17.5	16.9	70.0
4	49.660	53.3	45.6	-24.2	29.1	21.4	45.7	35.7	16.6	14.3	31.0
5	66.260	55.0	50.0	-24.8	30.2	25.2	46.3	36.3	16.1	11.1	0.0
6	86.720	52.6	46.3	-25.0	27.6	21.3	47.1	37.1	19.5	15.8	105.0

Figure 58: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Interconnection cable; Operation mode A, Outdoor side.



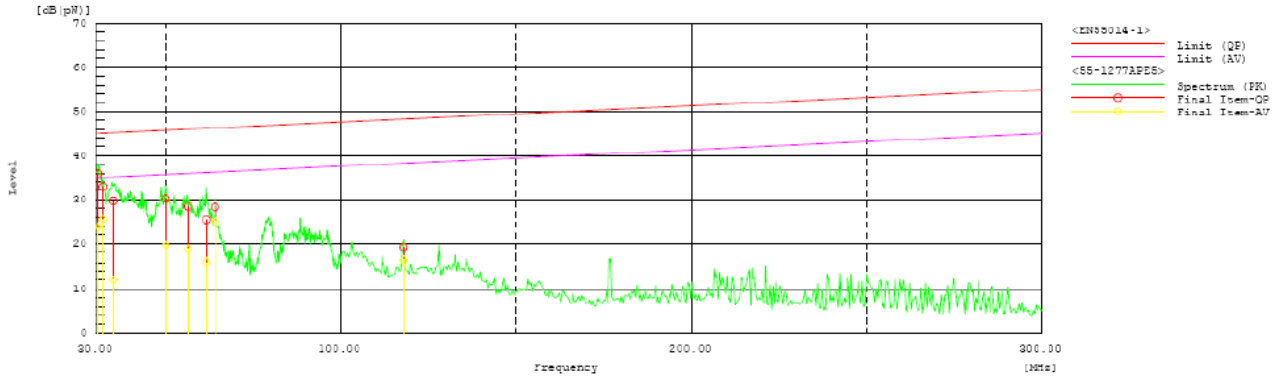
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.090	61.3	43.5	-21.9	39.4	21.6	45.0	35.0	5.6	13.4	35.0
2	31.980	57.7	46.0	-22.4	35.3	23.6	45.1	35.1	9.8	11.5	109.0
3	36.370	56.8	46.0	-23.2	33.6	22.8	45.2	35.2	11.6	12.4	10.0
4	41.340	56.4	40.0	-23.8	32.6	16.2	45.4	35.4	12.8	19.2	35.0
5	49.180	53.3	44.2	-24.2	29.1	20.0	45.7	35.7	16.6	15.7	105.0
6	57.510	51.0	39.6	-24.4	26.6	15.2	46.0	36.0	19.4	20.8	39.0
7	64.950	54.0	48.9	-24.7	29.3	24.2	46.3	36.3	17.0	12.1	41.0

Operation mode B, Outdoor side.



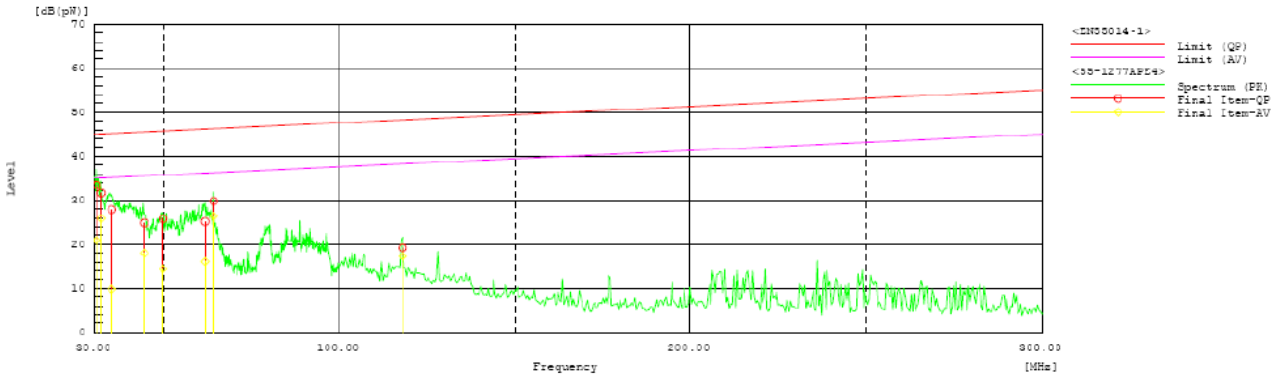
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.110	60.0	43.0	-21.9	38.1	21.1	45.0	35.0	6.9	13.9	35.0
2	36.180	57.0	43.6	-23.2	33.8	20.4	45.2	35.2	11.4	14.8	21.0
3	41.260	55.0	40.2	-23.8	31.2	16.4	45.4	35.4	14.2	19.0	38.0
4	49.140	53.9	45.0	-24.2	29.7	20.8	45.7	35.7	16.0	14.9	109.0
5	56.780	51.5	38.5	-24.4	27.1	14.1	46.0	36.0	18.9	21.9	39.0
6	65.010	53.6	48.5	-24.7	28.9	23.8	46.3	36.3	17.4	12.5	47.0

Figure 59: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Wired remote control cable; Wired remote control cable, Operation mode A



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.650	58.0	45.9	-22.1	35.9	23.8	45.0	35.0	9.1	11.2	250.0
2	32.000	55.3	47.9	-22.4	32.9	25.5	45.1	35.1	12.2	9.6	250.0
3	34.960	52.8	35.2	-23.1	29.7	12.1	45.2	35.2	15.5	23.1	46.0
4	49.950	54.4	43.8	-24.2	30.2	19.6	45.7	35.7	15.5	16.1	78.0
5	56.350	52.8	43.2	-24.4	28.4	18.8	46.0	36.0	17.6	17.2	51.0
6	61.630	50.0	40.6	-24.6	25.4	16.0	46.2	36.2	20.8	20.2	30.0
7	64.030	53.0	49.7	-24.7	28.3	25.0	46.3	36.3	18.0	11.3	34.0
8	117.990	45.0	42.2	-25.8	19.2	16.4	48.3	38.3	29.1	21.9	0.0

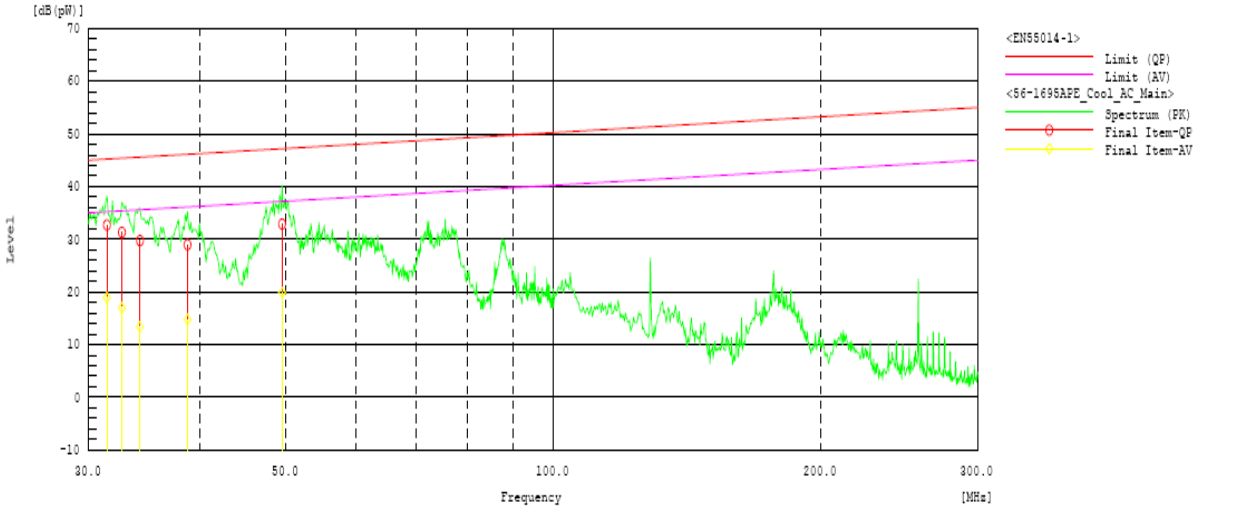
Wired remote control cable, Operation mode B



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.660	55.6	43.0	-22.1	33.5	20.9	45.0	35.0	11.5	14.1	250.0
2	32.000	54.0	48.3	-22.4	31.6	25.9	45.1	35.1	13.5	9.2	250.0
3	34.950	51.0	32.9	-23.1	27.9	9.8	45.2	35.2	17.3	25.4	46.0
4	44.270	49.2	42.3	-24.3	24.9	18.0	45.5	35.5	20.6	17.5	117.0
5	49.560	50.0	38.6	-24.2	25.8	14.4	45.7	35.7	19.9	21.3	81.0
6	61.640	49.8	40.7	-24.6	25.2	16.1	46.2	36.2	21.0	20.1	41.0
7	64.030	54.5	51.1	-24.7	29.8	26.4	46.3	36.3	16.5	9.9	39.0
8	117.990	45.0	43.1	-25.8	19.2	17.3	48.3	38.3	29.1	21.0	0.0

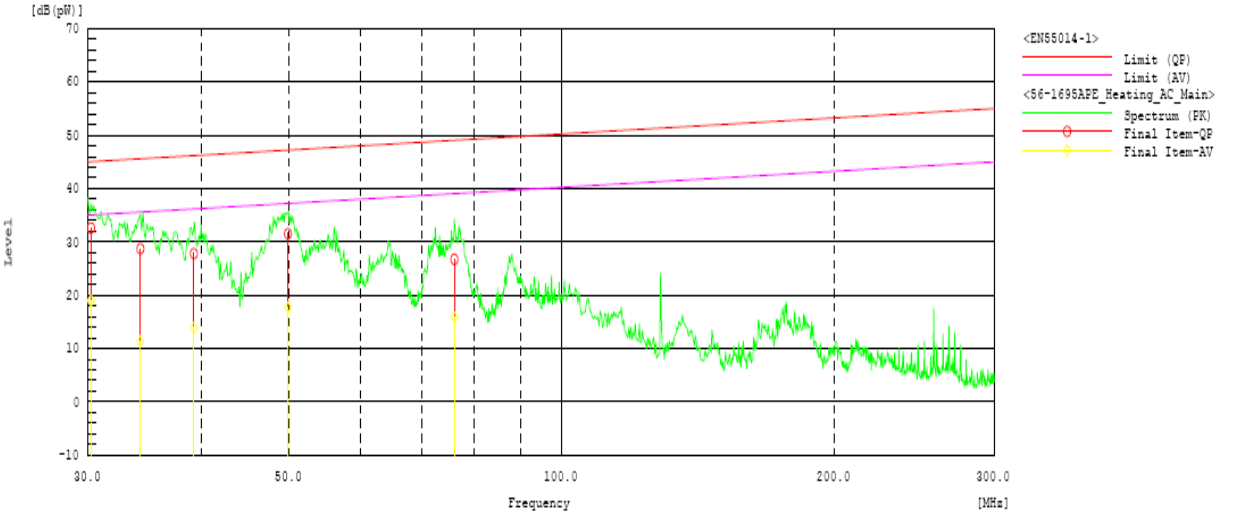
SET UP 7: RAV-RM1401UTP-E/RAV-SM1404ATP -E

Figure 60: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; AC main; Operation mode A



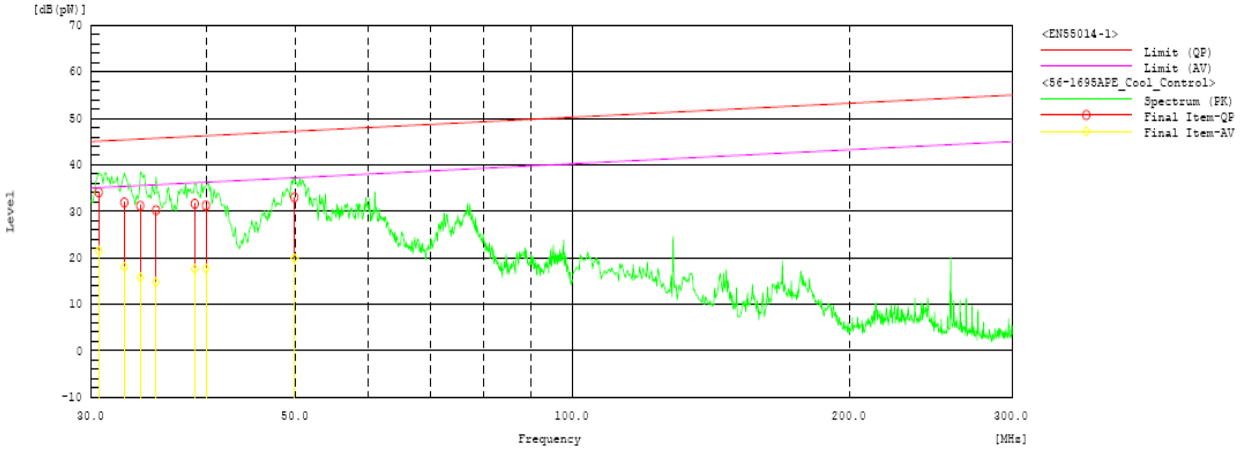
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	31.458	54.9	41.1	-22.2	32.7	18.9	45.2	35.2	12.5	16.3	139.0
2	32.692	53.8	39.5	-22.5	31.3	17.0	45.4	35.4	14.1	18.4	105.0
3	34.263	52.6	36.2	-22.8	29.8	13.4	45.6	35.6	15.8	22.2	86.0
4	38.750	52.1	37.9	-23.1	29.0	14.8	46.1	36.1	17.1	21.3	60.0
5	49.519	57.2	44.2	-24.3	32.9	19.9	47.2	37.2	14.3	17.3	10.0

Operation mode B



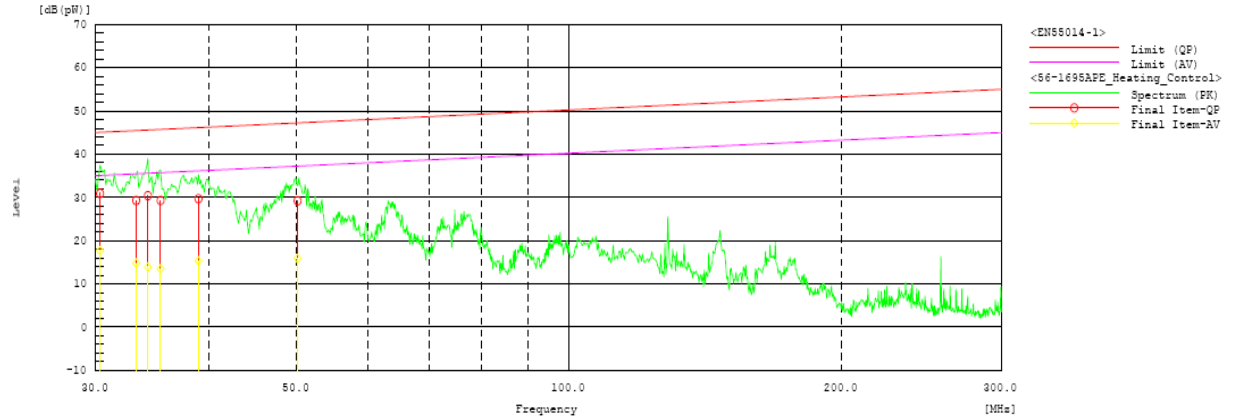
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.224	54.5	40.9	-21.9	32.6	19.0	45.0	35.0	12.4	16.0	158.0
2	34.260	51.5	34.2	-22.8	28.7	11.4	45.6	35.6	16.9	24.2	165.0
3	39.260	51.0	37.1	-23.2	27.8	13.9	46.2	36.2	18.4	22.3	41.0
4	49.856	55.8	42.0	-24.3	31.5	17.7	47.2	37.2	15.7	19.5	0.0
5	76.100	52.0	41.1	-25.2	26.8	15.9	49.0	39.0	22.2	23.1	44.0

Figure 61: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Interconnection cable; Operation mode A, Outdoor side.



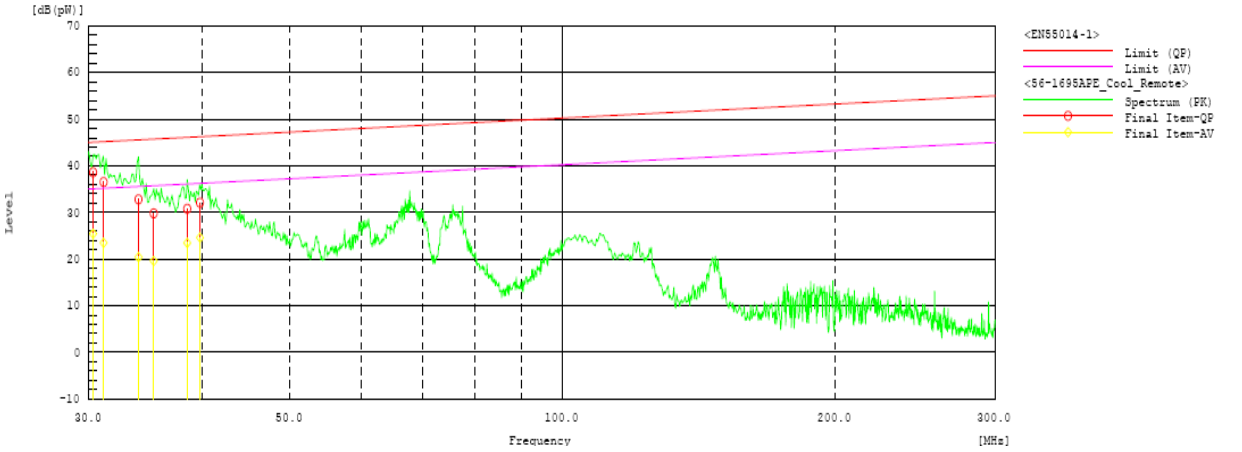
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.561	56.1	43.5	-22.0	34.1	21.5	45.1	35.1	11.0	13.6	138.0
2	32.580	54.4	40.6	-22.5	31.9	18.1	45.4	35.4	13.5	17.3	85.0
3	33.900	54.0	38.6	-22.8	31.2	15.8	45.5	35.5	14.3	19.7	76.0
4	35.270	53.2	37.8	-23.0	30.2	14.8	45.7	35.7	15.5	20.9	58.0
5	38.860	54.7	40.7	-23.1	31.6	17.6	46.1	36.1	14.5	18.5	27.0
6	39.960	54.5	41.0	-23.3	31.2	17.7	46.2	36.2	15.0	18.5	27.0
7	49.850	57.3	44.2	-24.3	33.0	19.9	47.2	37.2	14.2	17.3	197.0

Operation mode B, Outdoor side.



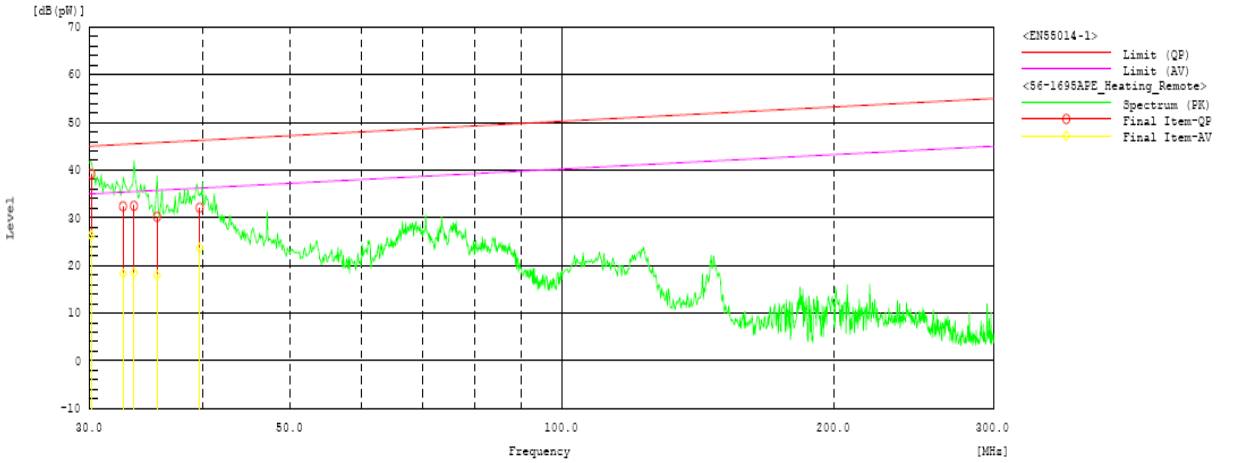
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.337	52.8	39.6	-21.9	30.9	17.7	45.0	35.0	14.1	17.3	151.0
2	33.260	52.0	37.5	-22.7	29.3	14.8	45.4	35.4	16.1	20.6	71.0
3	34.260	53.2	36.7	-22.8	30.4	13.9	45.6	35.6	15.2	21.7	0.0
4	35.389	52.3	36.5	-23.0	29.3	13.5	45.7	35.7	16.4	22.2	0.0
5	38.970	52.9	38.5	-23.2	29.7	15.3	46.1	36.1	16.4	20.8	0.0
6	50.130	53.5	40.2	-24.3	29.2	15.9	47.2	37.2	18.0	21.3	0.0

Figure 62: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Wired remote control cable; Wired remote control cable, Operation mode A



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.330	60.5	47.3	-21.9	38.6	25.4	45.0	35.0	6.4	9.6	236.0
2	31.150	58.6	45.6	-22.1	36.5	23.5	45.2	35.2	8.7	11.7	259.0
3	34.038	55.6	43.2	-22.8	32.8	20.4	45.5	35.5	12.7	15.1	240.0
4	35.381	52.8	42.6	-23.0	29.8	19.6	45.7	35.7	15.9	16.1	251.0
5	38.526	53.9	46.6	-23.1	30.8	23.5	46.1	36.1	15.3	12.6	175.0
6	39.794	55.3	47.8	-23.2	32.1	24.6	46.2	36.2	14.1	11.6	151.0

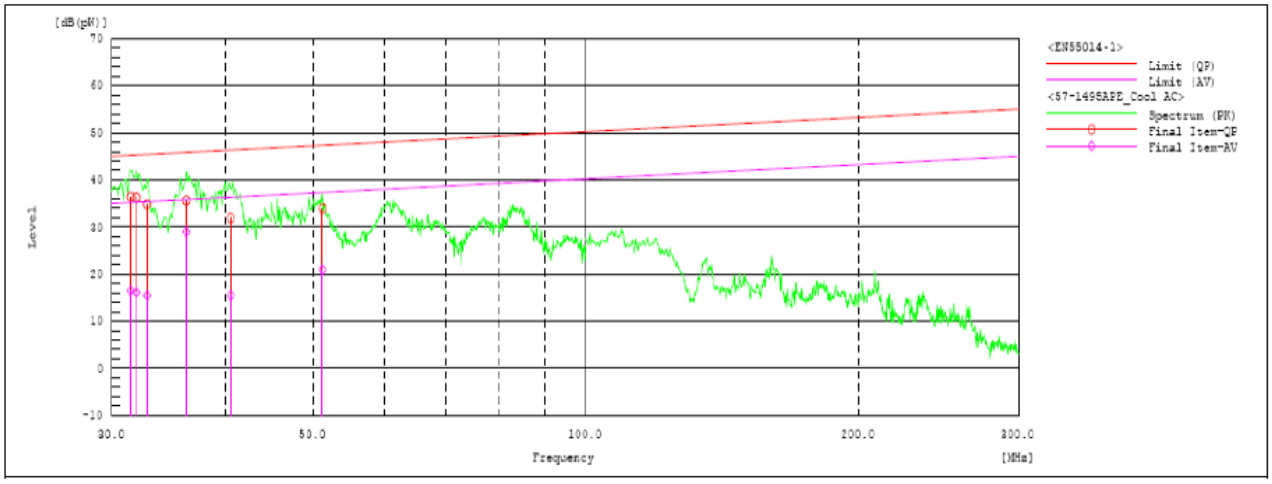
Wired remote control cable, Operation mode B



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.112	61.1	48.2	-21.9	39.2	26.3	45.0	35.0	5.8	8.7	279.0
2	32.650	54.9	40.8	-22.5	32.4	18.3	45.4	35.4	13.0	17.1	329.0
3	33.584	55.2	41.2	-22.7	32.5	18.5	45.5	35.5	13.0	17.0	247.0
4	35.609	53.2	41.0	-23.0	30.2	18.0	45.7	35.7	15.5	17.7	232.0
5	39.698	55.3	46.9	-23.2	32.1	23.7	46.2	36.2	14.1	12.5	157.0

SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

Figure 63: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; AC mains; Operation mode A

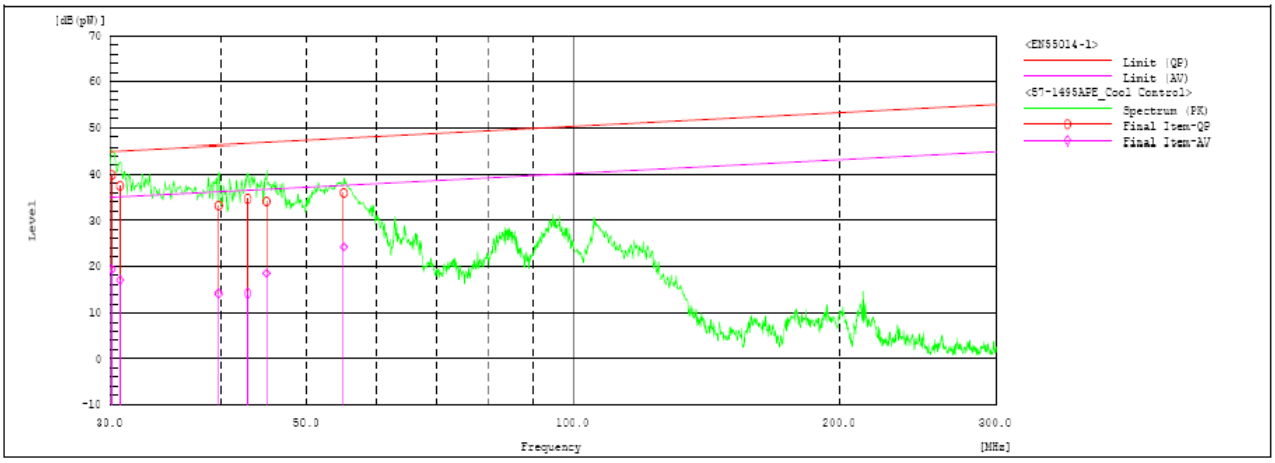


No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	31.458	58.6	38.7	-22.2	36.4	16.5	45.2	35.2	8.8	18.7	182.0
2	31.907	58.5	38.4	-22.3	36.2	16.1	45.3	35.3	9.1	19.2	167.0
3	32.804	57.4	38.1	-22.6	34.8	15.5	45.4	35.4	10.6	19.9	161.0
4	36.220	58.6	52.0	-23.0	35.6	29.0	45.8	35.8	10.2	6.8	112.0
5	40.550	55.3	38.9	-23.4	31.9	15.5	46.3	36.3	14.4	20.8	101.0
6	51.202	58.2	45.2	-24.3	33.9	20.9	47.3	37.3	13.4	16.4	31.0

Operation mode B

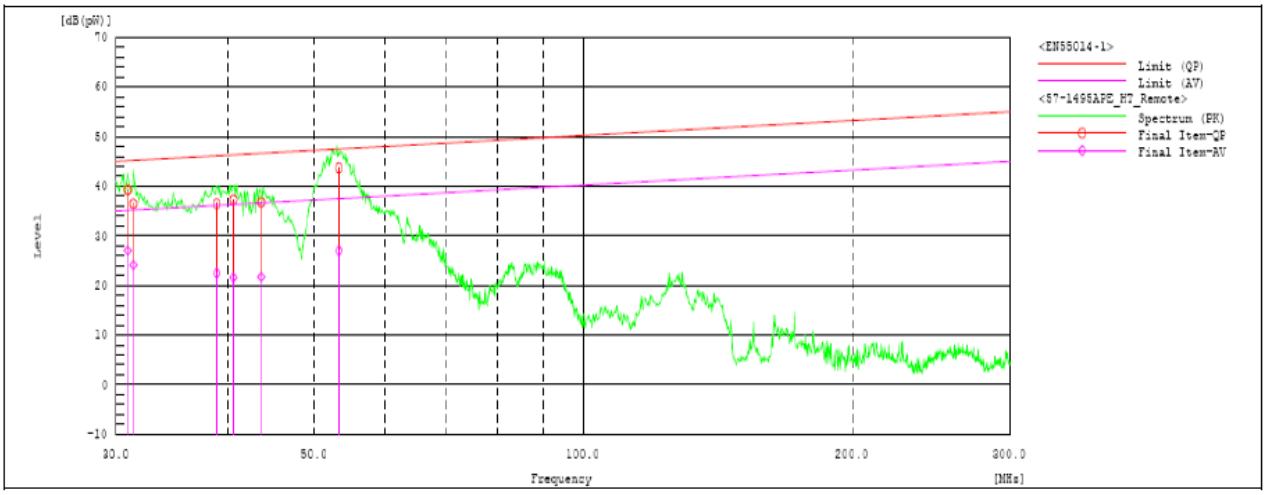
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	31.234	61.0	39.7	-22.2	38.8	17.5	45.2	35.2	6.4	17.7	180.0
2	31.795	61.3	40.7	-22.3	39.0	18.4	45.3	35.3	6.3	16.9	161.0
3	36.843	64.0	43.4	-23.0	41.0	20.4	45.9	35.9	4.9	15.5	105.0
4	39.760	64.0	43.8	-23.2	40.8	20.6	46.2	36.2	5.4	15.6	111.0
5	44.247	65.4	45.4	-24.2	41.2	21.2	46.7	36.7	5.5	15.5	79.0
6	45.369	63.9	44.6	-24.2	39.7	20.4	46.8	36.8	7.1	16.4	81.0

Figure 64: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Interconnection cable; Operation mode A, Outdoor side.



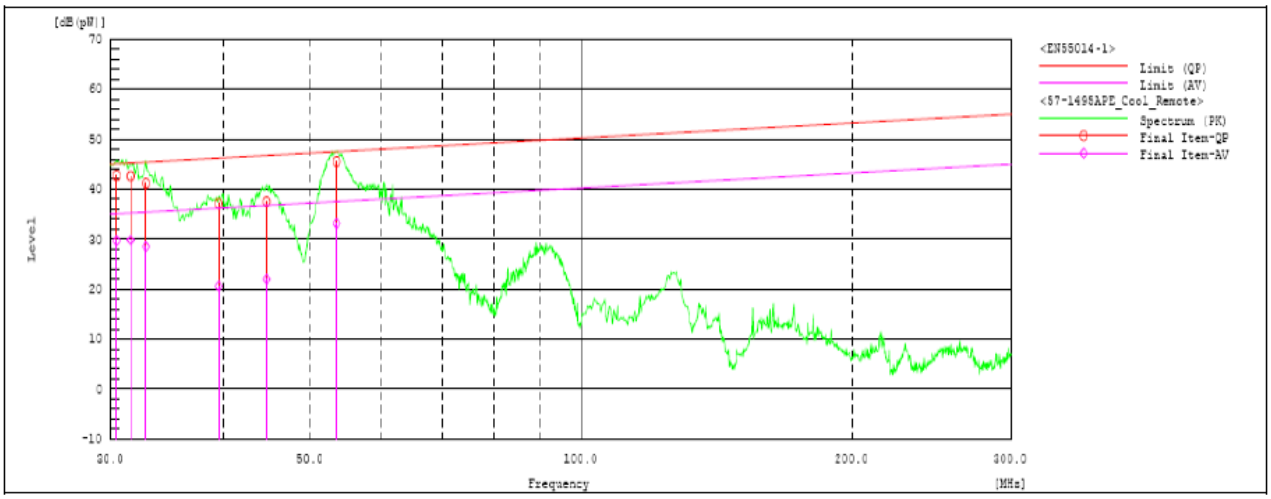
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.112	61.8	41.2	-21.9	39.9	19.3	45.0	35.0	5.1	15.7	180.0
2	30.785	59.5	38.9	-22.0	37.5	16.9	45.1	35.1	7.6	18.2	180.0
3	39.760	56.4	37.3	-23.2	33.2	14.1	46.2	36.2	13.0	22.1	140.0
4	42.901	58.6	38.1	-23.9	34.7	14.2	46.6	36.6	11.9	22.4	80.0
5	45.032	58.3	42.6	-24.2	34.1	18.4	46.8	36.8	12.7	18.4	52.0
6	55.016	60.3	48.5	-24.3	36.0	24.2	47.6	37.6	11.6	13.4	54.0

Operation mode B, Outdoor side.



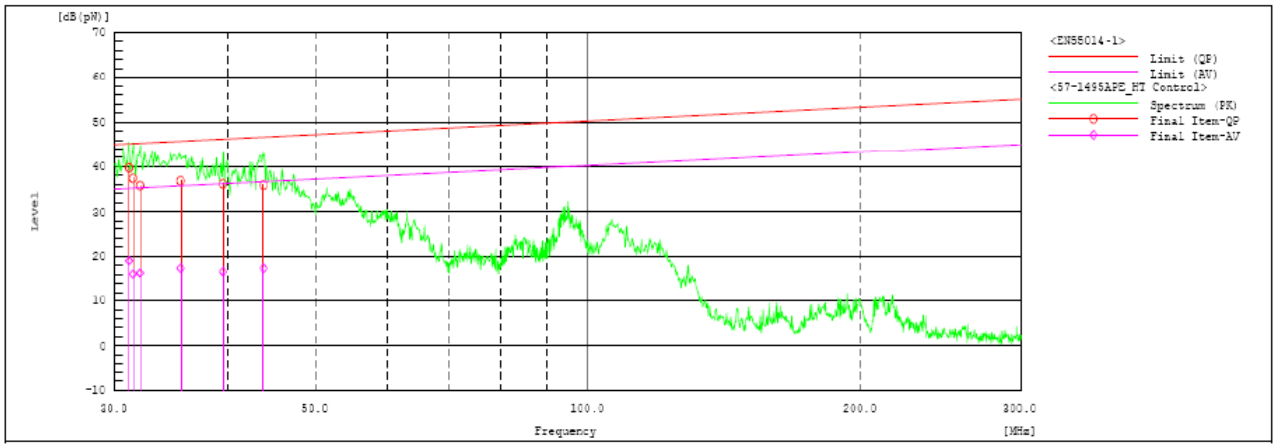
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.897	61.4	49.1	-22.1	39.3	27.0	45.1	35.1	5.8	8.1	78.0
2	31.346	58.6	46.3	-22.2	36.4	24.1	45.2	35.2	8.8	11.1	28.0
3	38.862	59.6	45.6	-23.1	36.5	22.5	46.1	36.1	9.6	13.6	105.0
4	40.545	60.7	45.0	-23.4	37.3	21.6	46.3	36.3	9.0	14.7	114.0
5	43.574	60.9	45.8	-24.1	36.8	21.7	46.6	36.6	9.8	14.9	83.0
6	53.221	68.0	51.3	-24.3	43.7	27.0	47.5	37.5	3.8	10.5	51.0

Figure 65: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Wired remote control cable; Wired remote control cable, Operation mode A



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.448	64.6	51.6	-21.9	42.7	29.7	45.1	35.1	2.4	5.4	18.0
2	31.571	64.8	52.0	-22.2	42.6	29.8	45.2	35.2	2.6	5.4	30.0
3	32.804	63.8	51.1	-22.6	41.2	28.5	45.4	35.4	4.2	6.9	88.0
4	39.535	60.3	43.8	-23.2	37.1	20.6	46.2	36.2	9.1	15.6	104.0
5	44.696	61.7	46.2	-24.2	37.5	22.0	46.7	36.7	9.2	14.7	68.0
6	53.446	69.8	57.5	-24.3	45.5	33.2	47.5	37.5	2.0	4.3	29.0

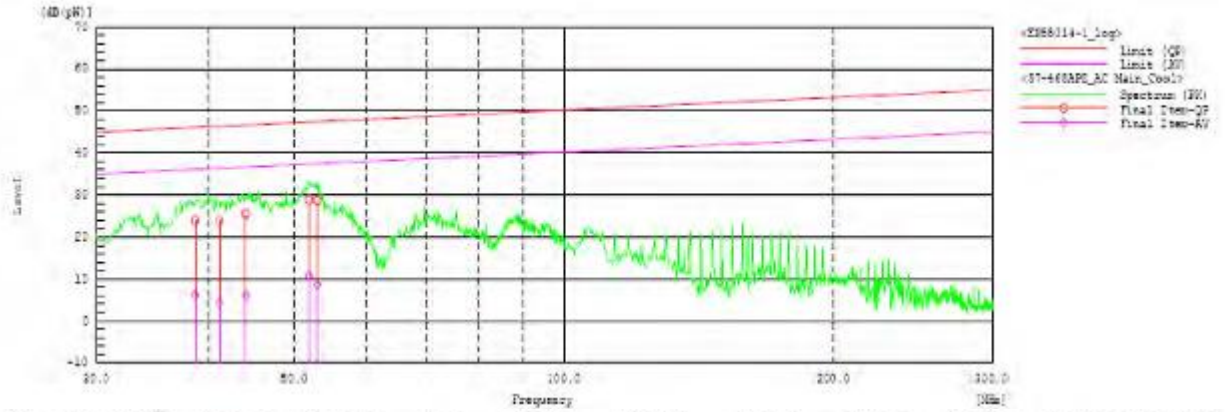
Wired remote control cable, Operation mode B



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	31.122	61.8	41.1	-22.1	39.7	19.0	45.2	35.2	5.5	16.2	180.0
2	31.458	59.6	38.3	-22.2	37.4	16.1	45.2	35.2	7.8	19.1	181.0
3	32.019	58.2	38.7	-22.4	35.8	16.3	45.3	35.3	9.5	19.0	179.0
4	35.497	59.8	40.4	-23.0	36.8	17.4	45.7	35.7	8.9	18.3	280.0
5	39.535	59.4	39.8	-23.2	36.2	16.6	46.2	36.2	10.0	19.6	135.0
6	43.798	60.0	41.4	-24.1	35.9	17.3	46.6	36.6	10.7	19.3	83.0

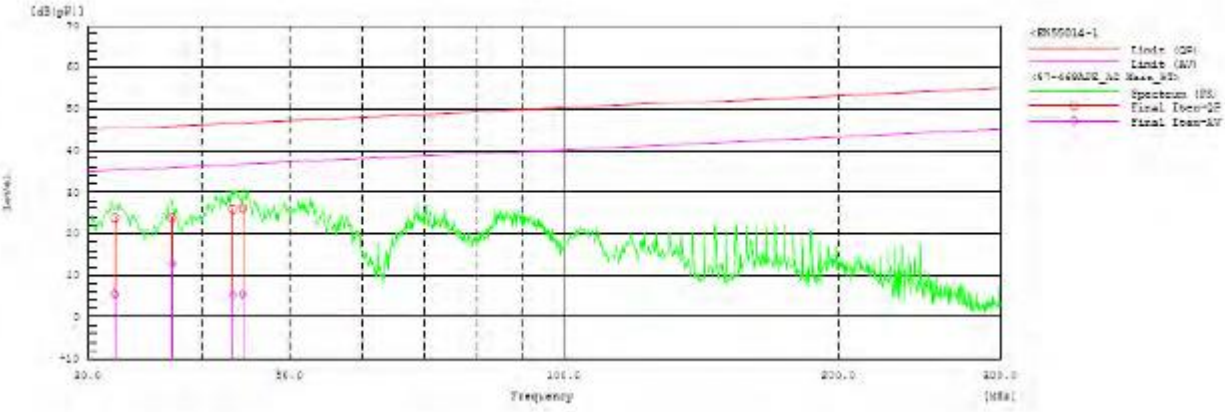
SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E

Figure 66: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; AC main; Operation mode A



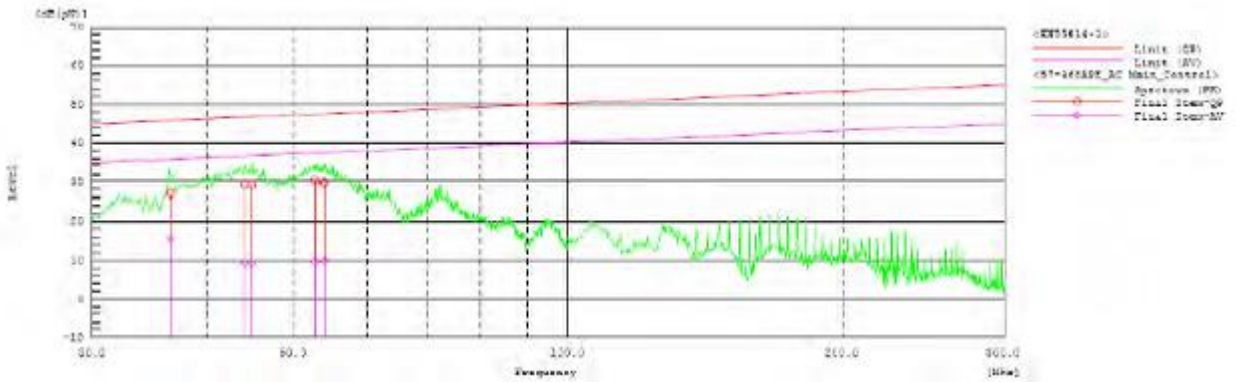
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	38.638	47.1	29.2	-23.1	24.0	6.1	46.1	36.1	22.1	30.0	92.0
2	41.218	47.3	27.9	-23.5	23.8	4.4	46.4	36.4	22.6	32.0	97.0
3	44.022	49.7	30.1	-24.1	25.6	6.0	46.7	36.7	21.1	30.7	56.0
4	51.763	53.2	35.0	-24.3	28.9	10.7	47.4	37.4	18.5	26.7	28.0
5	52.885	53.0	32.9	-24.3	28.7	8.6	47.5	37.5	18.8	28.9	32.0

Operation mode B



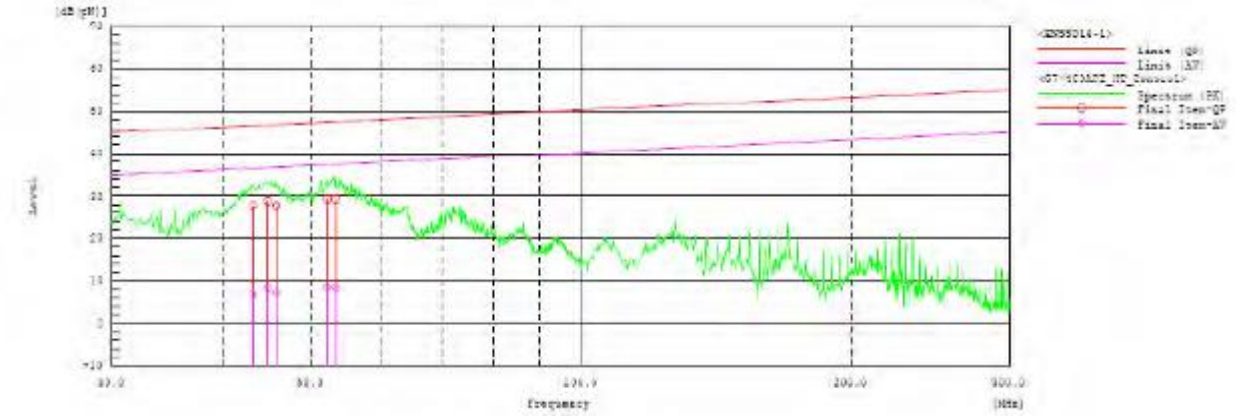
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	32.092	46.2	27.9	-22.4	23.8	5.5	45.3	35.3	21.5	29.8	170.0
2	37.067	46.9	35.8	-23.1	23.8	12.7	45.9	35.9	22.1	23.2	192.0
3	43.270	49.8	29.2	-24.0	25.8	5.2	46.6	36.6	20.8	31.4	93.0
4	44.359	50.2	29.7	-24.2	26.0	5.5	46.7	36.7	20.7	31.2	75.0

Figure 67: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Interconnection cable; Operation mode A, Outdoor side.



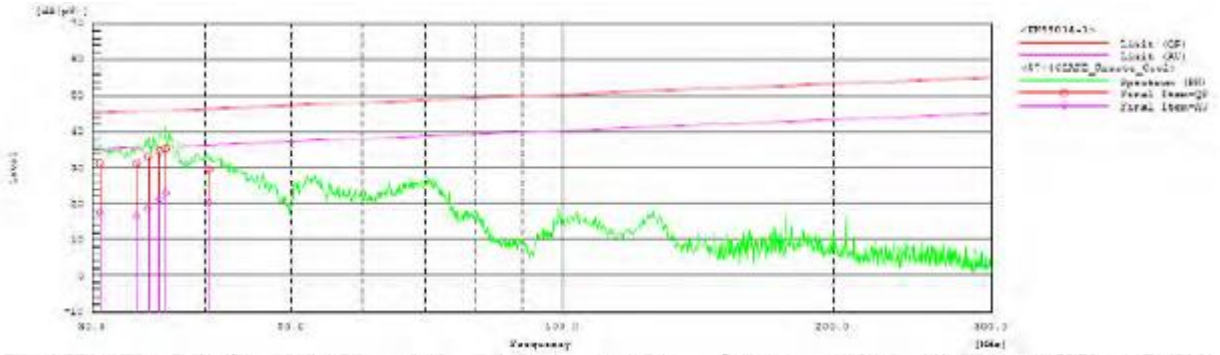
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	36.594	50.0	38.6	-23.0	27.0	15.6	45.9	35.9	18.9	20.3	44.0
2	44.135	53.5	33.5	-24.1	29.4	9.4	46.7	36.7	17.3	27.3	122.0
3	44.920	53.4	33.5	-24.2	29.2	9.3	46.8	36.8	17.6	27.5	102.0
4	52.772	54.6	34.0	-24.3	30.3	9.7	47.5	37.5	17.2	27.8	60.0
5	53.870	54.0	34.2	-24.3	29.7	9.9	47.5	37.5	17.8	27.6	57.0

Operation mode B, Outdoor side.



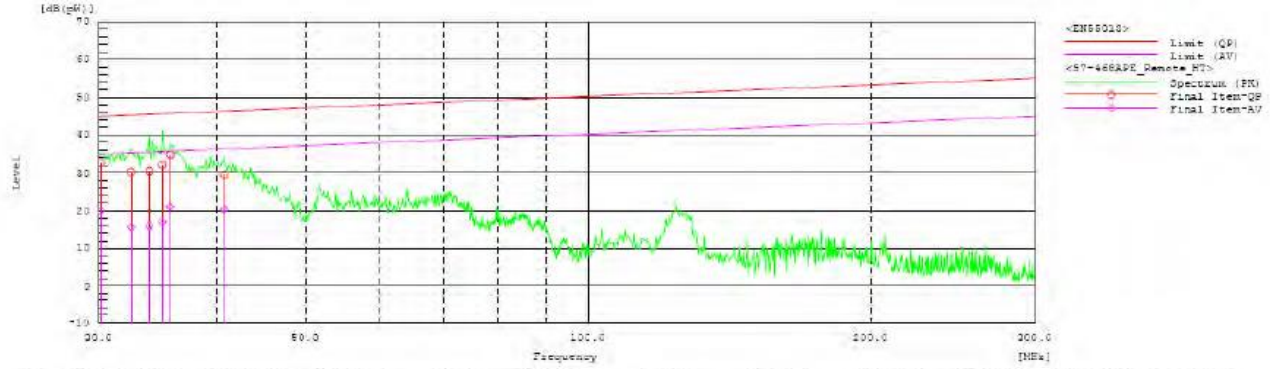
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	43.125	51.7	30.7	-24.0	27.7	6.7	46.6	36.6	18.9	29.9	125.0
2	44.808	53.1	32.5	-24.2	28.9	8.3	46.7	36.7	17.8	28.4	110.0
3	45.017	51.9	31.5	-24.2	27.7	7.3	46.8	36.8	19.1	29.5	91.0
4	52.185	53.6	32.7	-24.3	29.3	8.4	47.4	37.4	18.1	29.0	67.0
5	53.335	53.5	32.7	-24.3	29.2	8.4	47.5	37.5	18.3	29.1	57.0

Figure 68: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Wired remote control cable; Wired remote control cable, Operation mode A



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.560	53.1	39.7	-22.0	31.1	17.7	45.1	35.1	14.0	17.4	248.0
2	33.590	53.9	39.3	-22.7	31.2	16.6	45.5	35.5	14.3	18.9	221.0
3	34.599	55.9	41.6	-22.9	33.0	18.7	45.6	35.6	12.6	16.9	175.0
4	35.609	57.5	44.4	-23.0	34.5	21.4	45.7	35.7	11.2	14.3	130.0
5	36.170	58.3	46.9	-23.0	35.3	22.9	45.8	35.8	10.5	12.9	150.0
6	40.433	52.9	43.9	-23.4	29.5	20.5	46.3	36.3	16.8	15.8	144.0

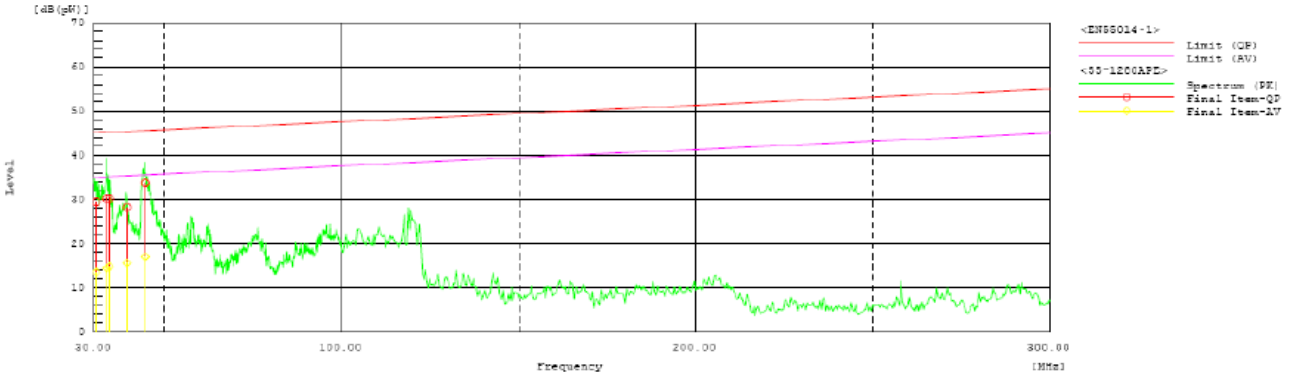
Wired remote control cable, Operation mode B



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.112	54.6	41.9	-21.9	32.7	20.0	45.0	35.0	12.3	15.0	248.0
2	32.468	52.7	38.2	-22.5	30.2	15.7	45.3	35.3	15.1	19.6	243.0
3	33.926	53.2	38.8	-22.8	30.4	16.0	45.5	35.5	15.1	19.5	25.0
4	35.040	55.0	40.0	-22.9	32.1	17.1	45.7	35.7	13.6	18.6	123.0
5	35.721	57.8	44.0	-23.0	34.8	21.0	45.8	35.8	11.0	14.8	153.0
6	40.769	52.9	43.7	-23.4	29.5	20.3	46.3	36.3	16.8	16.0	139.0

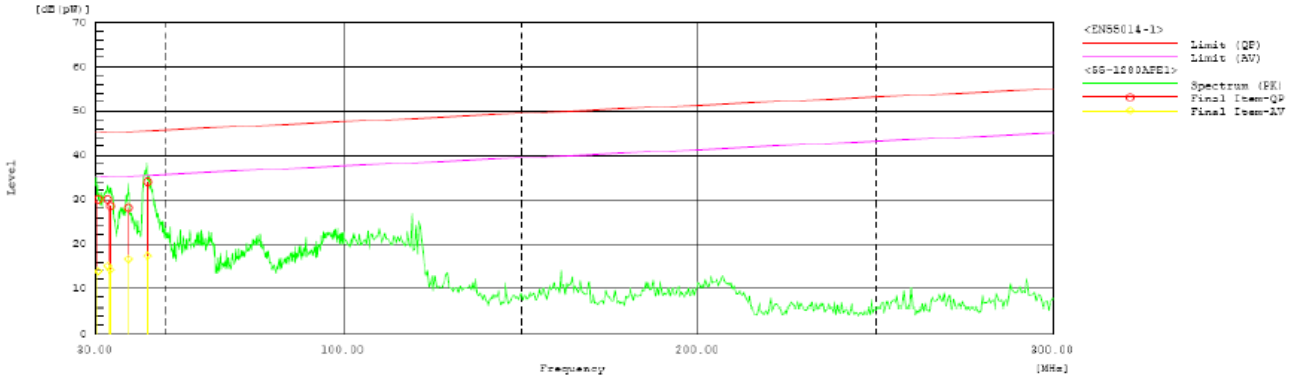
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1

Figure 69: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; AC main; Operation mode A



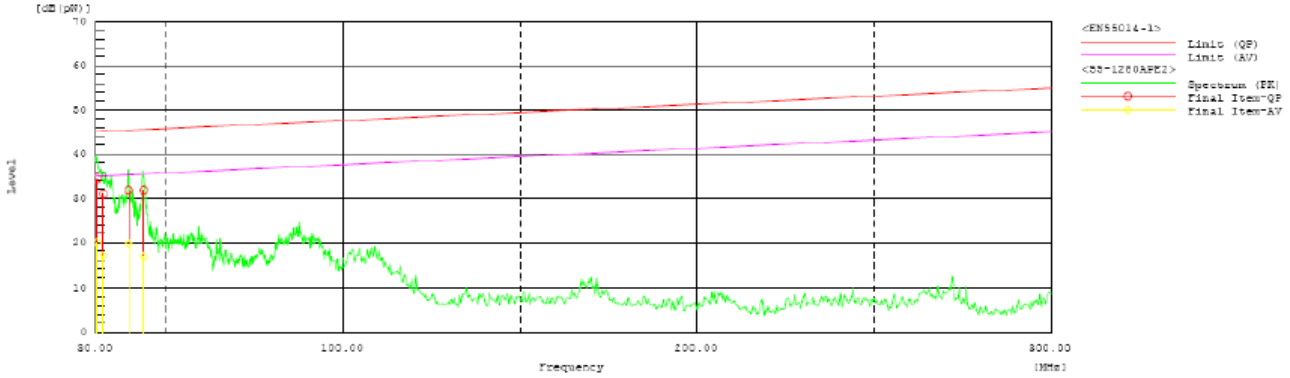
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.690	51.5	35.6	-22.1	29.4	13.5	45.0	35.0	15.6	21.5	121.0
2	33.510	53.0	37.2	-22.8	30.2	14.4	45.1	35.1	14.9	20.7	98.0
3	34.410	53.2	37.8	-23.0	30.2	14.8	45.2	35.2	15.0	20.4	86.0
4	39.240	51.6	39.0	-23.4	28.2	15.6	45.3	35.3	17.1	19.7	8.0
5	44.410	58.0	41.3	-24.3	33.7	17.0	45.5	35.5	11.8	18.5	11.0

Operation mode B



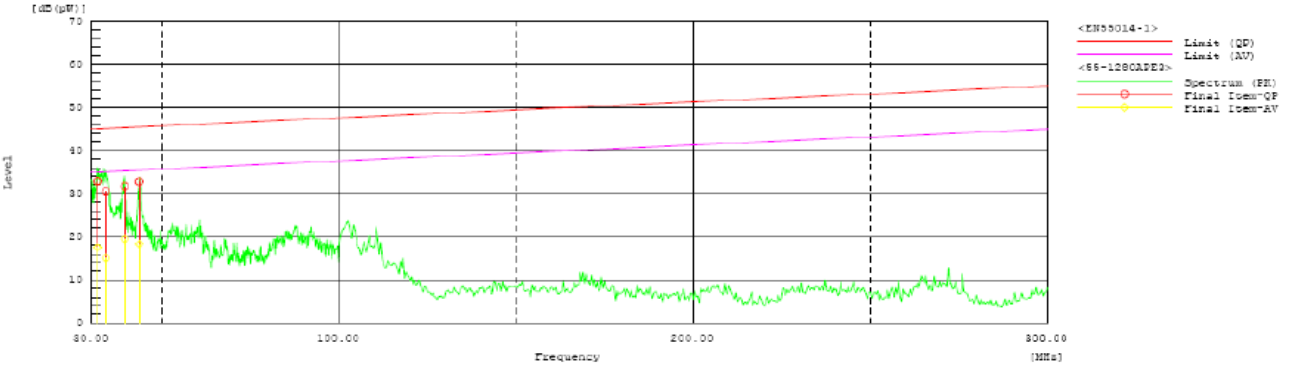
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.720	52.1	36.0	-22.1	30.0	13.9	45.0	35.0	15.0	21.1	125.0
2	33.500	52.8	37.9	-22.8	30.0	15.1	45.1	35.1	15.1	20.0	104.0
3	34.160	51.4	37.1	-22.9	28.5	14.2	45.2	35.2	16.7	21.0	56.0
4	39.250	51.6	40.0	-23.4	28.2	16.6	45.3	35.3	17.1	18.7	26.0
5	44.650	58.3	41.6	-24.3	34.0	17.3	45.5	35.5	11.5	18.2	5.0

Figure 70: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Interconnection cable; Operation mode A, Outdoor side.



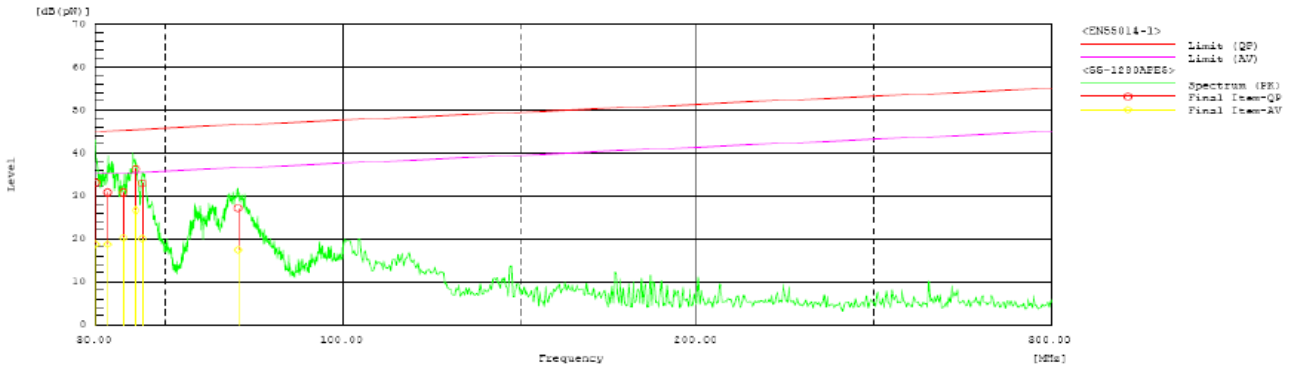
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.340	56.4	42.0	-22.0	34.4	20.0	45.0	35.0	10.6	15.0	75.0
2	32.090	53.5	39.5	-22.5	31.0	17.0	45.1	35.1	14.1	18.1	80.0
3	39.250	55.2	43.1	-23.4	31.8	19.7	45.3	35.3	13.5	15.6	177.0
4	43.500	56.0	41.0	-24.2	31.8	16.8	45.5	35.5	13.7	18.7	185.0

Operation mode B, Outdoor side.



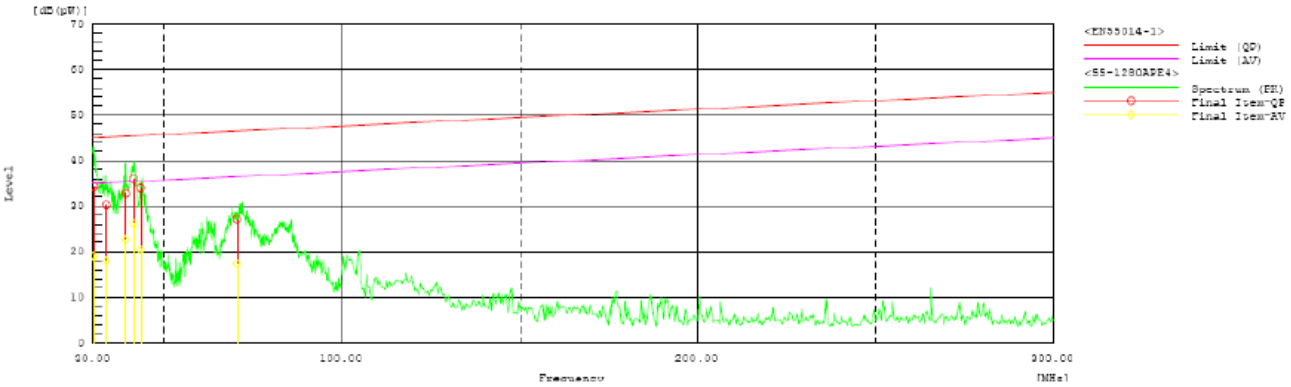
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	31.550	55.2	39.8	-22.3	32.9	17.5	45.1	35.1	12.2	17.6	92.0
2	33.950	53.4	38.0	-22.9	30.5	15.1	45.1	35.1	14.6	20.0	116.0
3	39.270	55.1	42.9	-23.4	31.7	19.5	45.3	35.3	13.6	15.8	184.0
4	43.400	57.0	42.5	-24.2	32.8	18.3	45.5	35.5	12.7	17.2	185.0

Figure 71: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Wired remote control cable; Wired remote control cable, Operation mode A



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.120	55.0	40.6	-21.9	33.1	18.7	45.0	35.0	11.9	16.3	6.0
2	33.510	53.6	41.5	-22.8	30.8	18.7	45.1	35.1	14.3	16.4	243.0
3	37.900	54.1	43.5	-23.3	30.8	20.2	45.3	35.3	14.5	15.1	171.0
4	41.510	60.0	50.4	-23.8	36.2	26.6	45.4	35.4	9.2	8.8	108.0
5	43.310	57.1	44.2	-24.2	32.9	20.0	45.5	35.5	12.6	15.5	125.0
6	70.390	52.0	42.3	-24.9	27.1	17.4	46.5	36.5	19.4	19.1	235.0

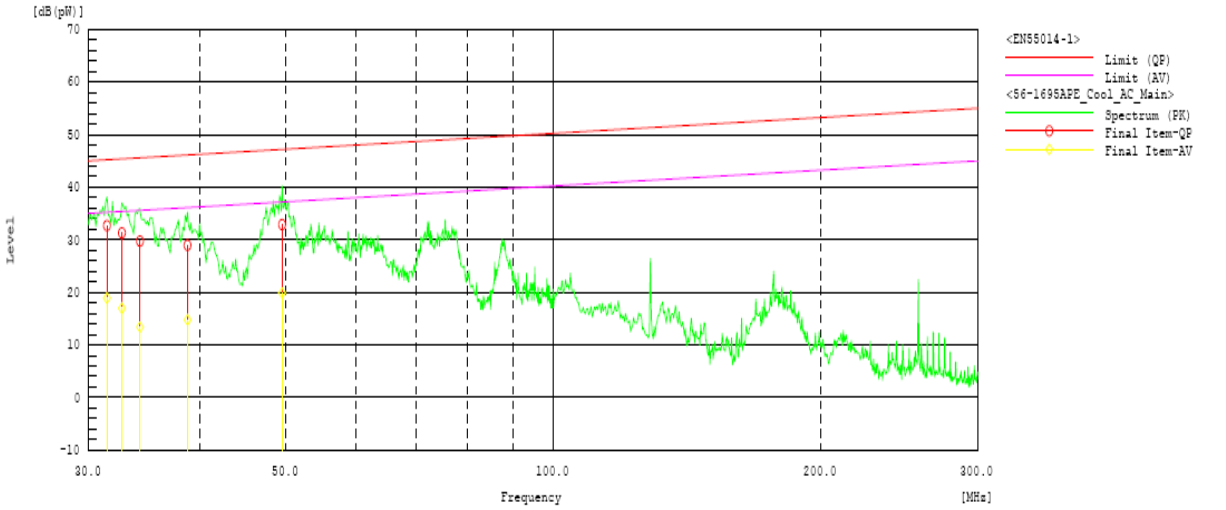
Wired remote control cable, Operation mode B



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.110	56.2	41.0	-21.9	34.3	19.1	45.0	35.0	10.7	15.9	3.0
2	33.560	53.0	40.8	-22.8	30.2	18.0	45.1	35.1	14.9	17.1	215.0
3	39.030	56.2	46.0	-23.4	32.8	22.6	45.3	35.3	12.5	12.7	122.0
4	41.320	59.8	50.0	-23.8	36.0	26.2	45.4	35.4	9.4	9.2	108.0
5	43.330	58.2	44.6	-24.2	34.0	20.4	45.5	35.5	11.5	15.1	121.0
6	70.390	52.0	42.3	-24.9	27.1	17.4	46.5	36.5	19.4	19.1	235.0

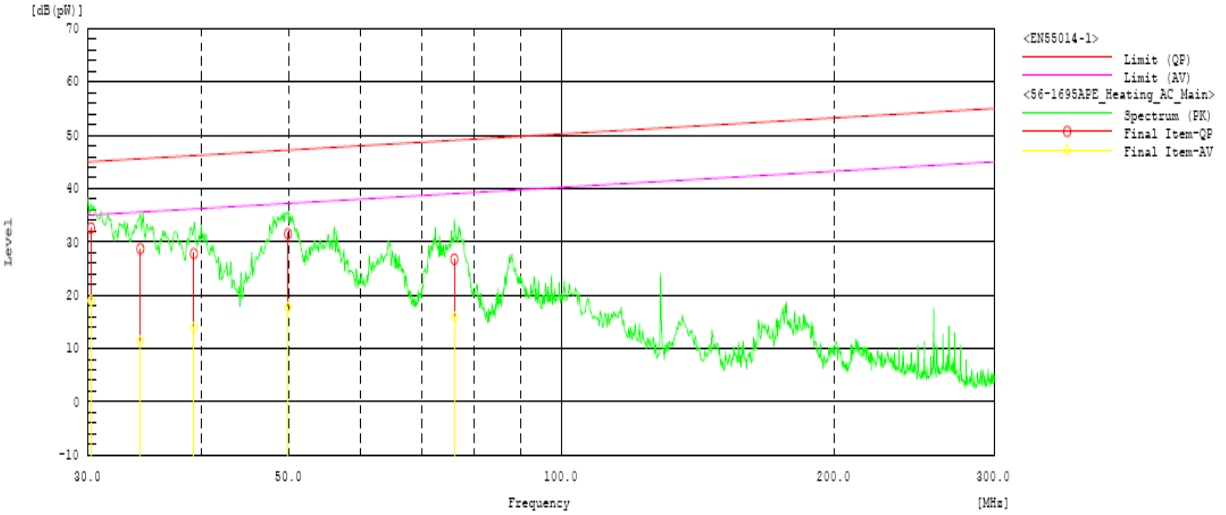
SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

Figure 72: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; AC main; Operation mode A



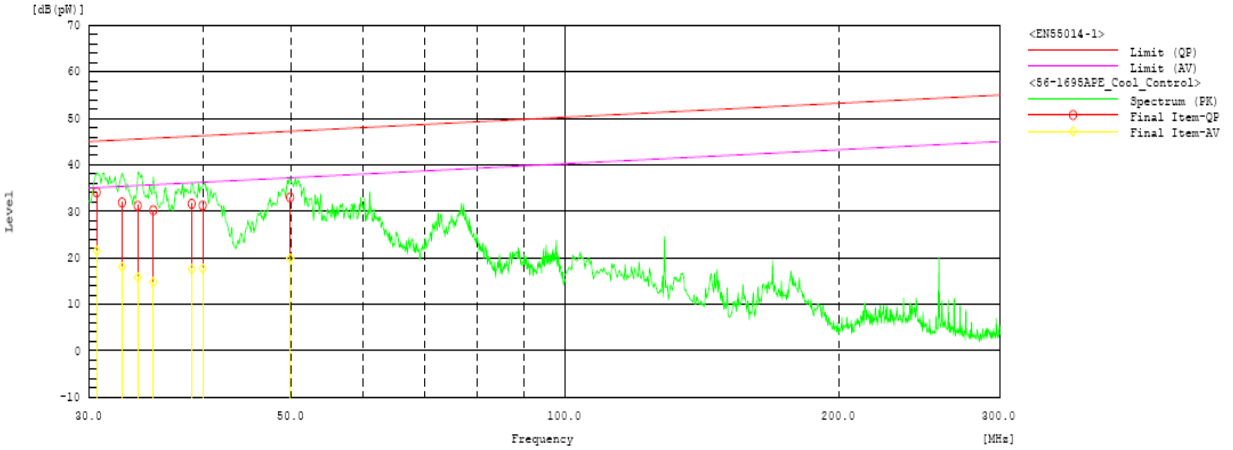
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	31.458	54.9	41.1	-22.2	32.7	18.9	45.2	35.2	12.5	16.3	139.0
2	32.692	53.8	39.5	-22.5	31.3	17.0	45.4	35.4	14.1	18.4	105.0
3	34.263	52.6	36.2	-22.8	29.8	13.4	45.6	35.6	15.8	22.2	86.0
4	38.750	52.1	37.9	-23.1	29.0	14.8	46.1	36.1	17.1	21.3	60.0
5	49.519	57.2	44.2	-24.3	32.9	19.9	47.2	37.2	14.3	17.3	10.0

Operation mode B



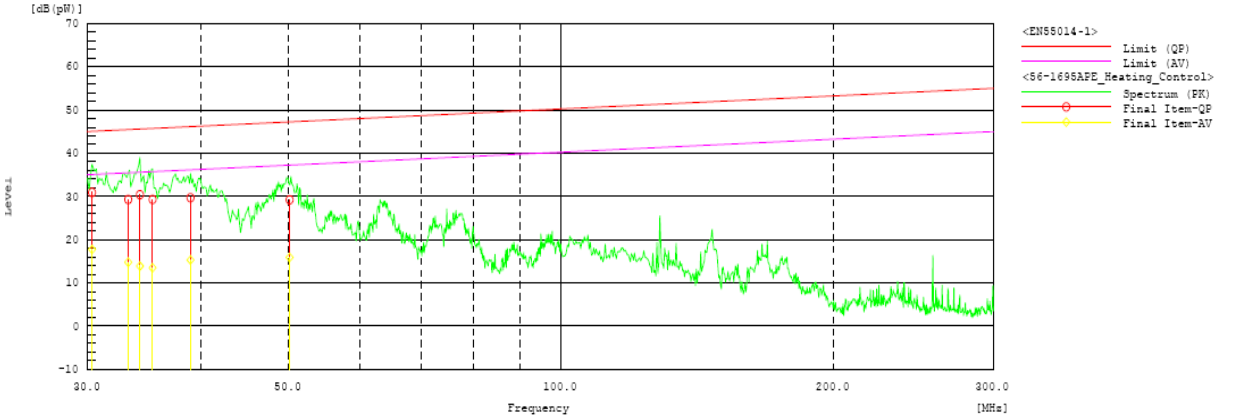
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.224	54.5	40.9	-21.9	32.6	19.0	45.0	35.0	12.4	16.0	158.0
2	34.260	51.5	34.2	-22.8	28.7	11.4	45.6	35.6	16.9	24.2	165.0
3	39.260	51.0	37.1	-23.2	27.8	13.9	46.2	36.2	18.4	22.3	41.0
4	49.856	55.8	42.0	-24.3	31.5	17.7	47.2	37.2	15.7	19.5	0.0
5	76.100	52.0	41.1	-25.2	26.8	15.9	49.0	39.0	22.2	23.1	44.0

Figure 73: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Interconnection cable; Operation mode A, Outdoor side.



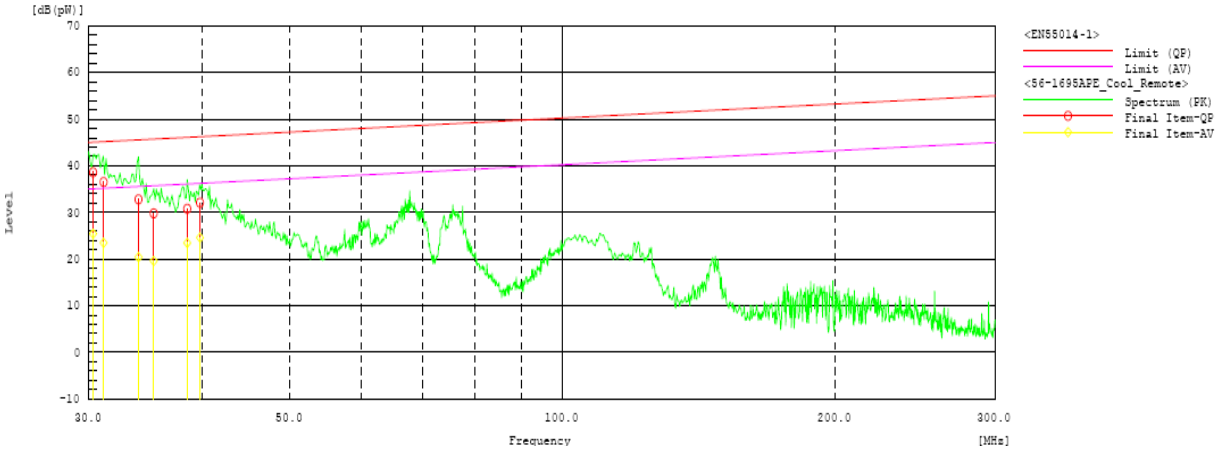
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.561	56.1	43.5	-22.0	34.1	21.5	45.1	35.1	11.0	13.6	138.0
2	32.580	54.4	40.6	-22.5	31.9	18.1	45.4	35.4	13.5	17.3	85.0
3	33.900	54.0	38.6	-22.8	31.2	15.8	45.5	35.5	14.3	19.7	76.0
4	35.270	53.2	37.8	-23.0	30.2	14.8	45.7	35.7	15.5	20.9	58.0
5	38.860	54.7	40.7	-23.1	31.6	17.6	46.1	36.1	14.5	18.5	27.0
6	39.960	54.5	41.0	-23.3	31.2	17.7	46.2	36.2	15.0	18.5	27.0
7	49.850	57.3	44.2	-24.3	33.0	19.9	47.2	37.2	14.2	17.3	197.0

Operation mode B, Outdoor side.



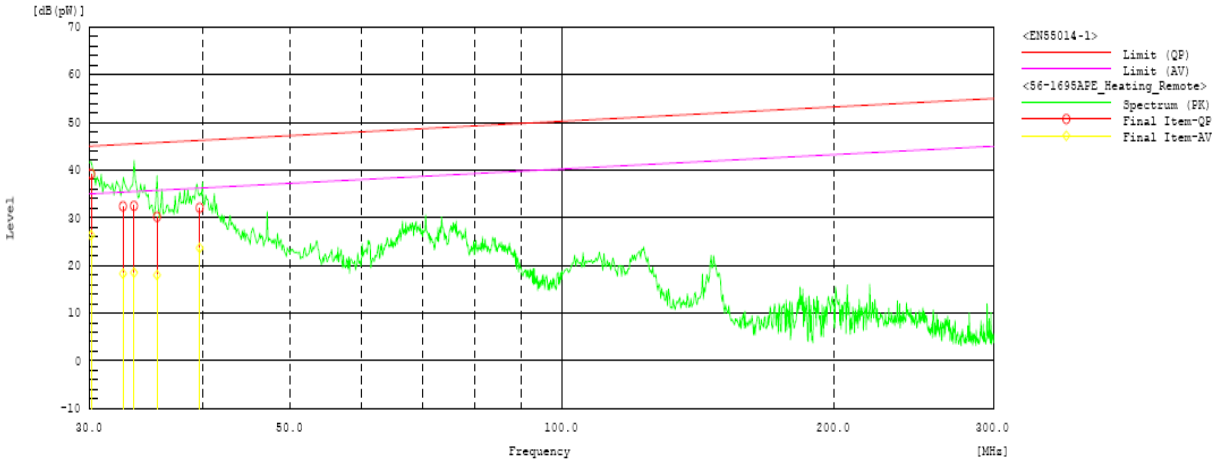
No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.337	52.8	39.6	-21.9	30.9	17.7	45.0	35.0	14.1	17.3	151.0
2	33.260	52.0	37.5	-22.7	29.3	14.8	45.4	35.4	16.1	20.6	71.0
3	34.260	53.2	36.7	-22.8	30.4	13.9	45.6	35.6	15.2	21.7	0.0
4	35.389	52.3	36.5	-23.0	29.3	13.5	45.7	35.7	16.4	22.2	0.0
5	38.970	52.9	38.5	-23.2	29.7	15.3	46.1	36.1	16.4	20.8	0.0
6	50.130	53.5	40.2	-24.3	29.2	15.9	47.2	37.2	18.0	21.3	0.0

Figure 74: Spectral Diagram, Disturbance Power 30MHz – 300 MHz; Wired remote control cable; Wired remote control cable, Operation mode A



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.330	60.5	47.3	-21.9	38.6	25.4	45.0	35.0	6.4	9.6	236.0
2	31.150	58.6	45.6	-22.1	36.5	23.5	45.2	35.2	8.7	11.7	259.0
3	34.038	55.6	43.2	-22.8	32.8	20.4	45.5	35.5	12.7	15.1	240.0
4	35.381	52.8	42.6	-23.0	29.8	19.6	45.7	35.7	15.9	16.1	251.0
5	38.526	53.9	46.6	-23.1	30.8	23.5	46.1	36.1	15.3	12.6	175.0
6	39.794	55.3	47.8	-23.2	32.1	24.6	46.2	36.2	14.1	11.6	151.0

Wired remote control cable, Operation mode B



No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(pW)]	Result AV [dB(pW)]	Limit QP [dB(pW)]	Limit AV [dB(pW)]	Margin QP [dB]	Margin AV [dB]	Position [cm]
1	30.112	61.1	48.2	-21.9	39.2	26.3	45.0	35.0	5.8	8.7	279.0
2	32.650	54.9	40.8	-22.5	32.4	18.3	45.4	35.4	13.0	17.1	329.0
3	33.584	55.2	41.2	-22.7	32.5	18.5	45.5	35.5	13.0	17.0	247.0
4	35.609	53.2	41.0	-23.0	30.2	18.0	45.7	35.7	15.5	17.7	232.0
5	39.698	55.3	46.9	-23.2	32.1	23.7	46.2	36.2	14.1	12.5	157.0

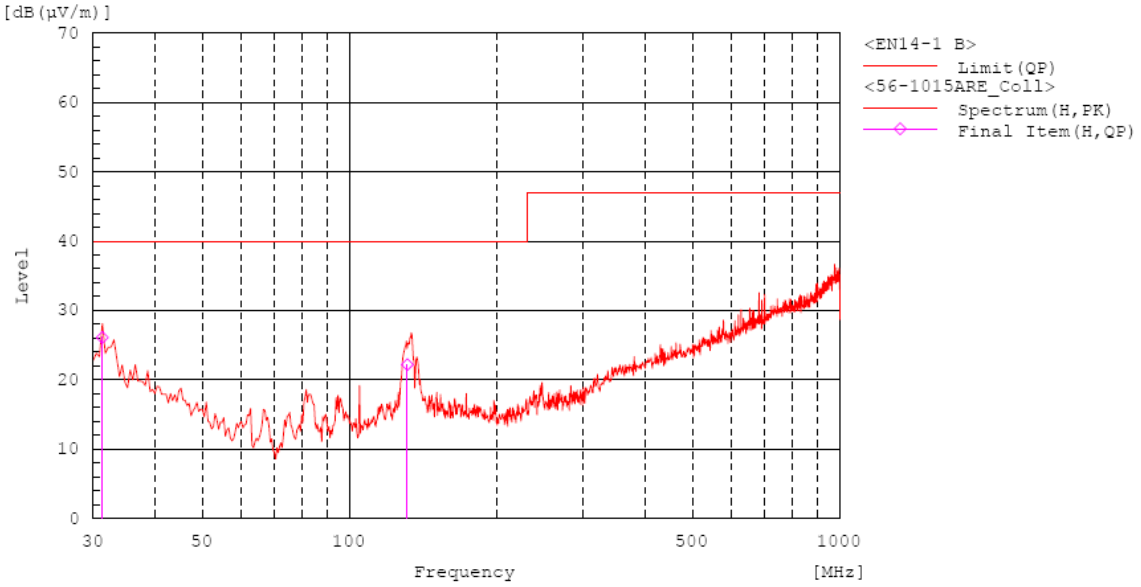
5.2.2 Radiated Disturbance

RESULT: **PASSED**

Date of testing	:	2018.01.03 – 2018.02.21
Test procedure	:	EN 55014-1:2017
Frequency range	:	30 - 1000MHz
Limits	:	EN 55014-1:2017, Clause 4.1.2, Table 3
Input Voltage	:	AC 230V, 50Hz
Operation mode	:	A, B

SET UP 9 : RAV-RM561CTP-E/RAV-SP564ATP-A1

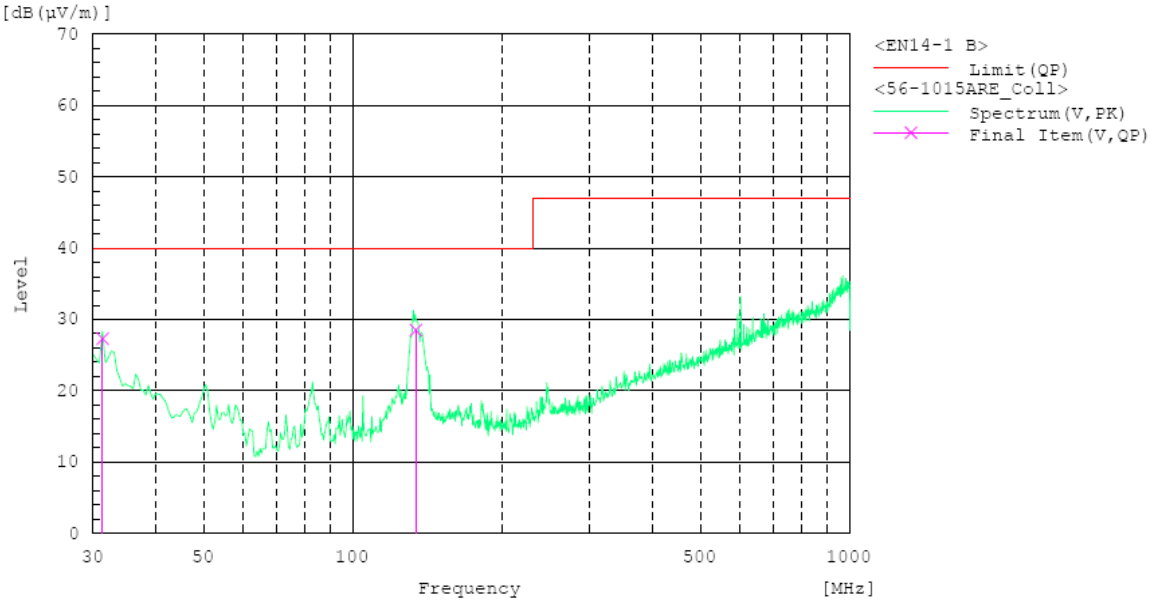
Figure 75: Spectral Diagram, Radiated Disturbance, 30MHz – 1000 MHz;
Operation mode A
Horizontal Polarity :



--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]
1	31.311	31.7	-5.6	26.1	40.0	13.9
2	131.093	35.5	-13.3	22.2	40.0	17.8

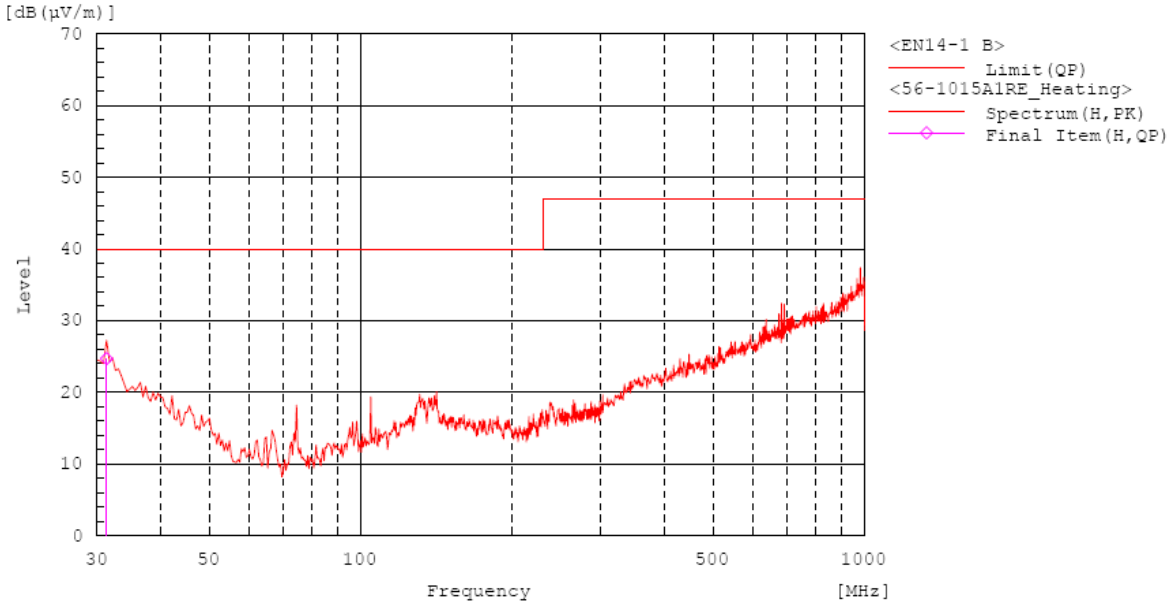
Vertical Polarity :



--- Vertical Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]
1	31.341	32.9	-5.6	27.3	40.0	12.7
2	133.816	41.9	-13.4	28.5	40.0	11.5

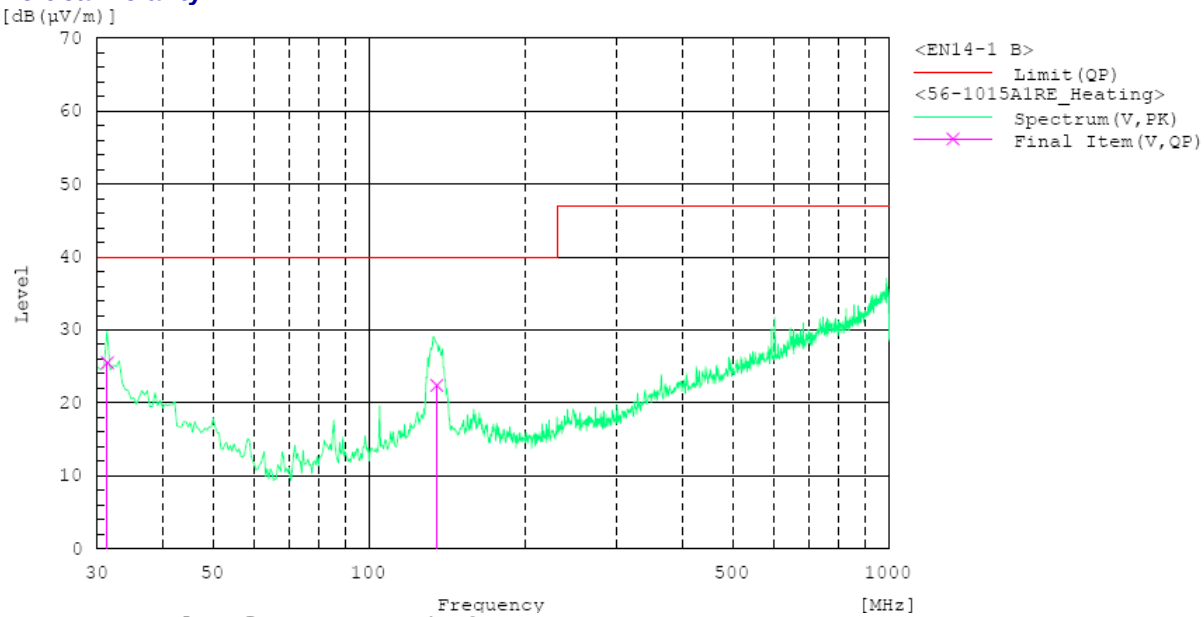
Operation mode B
Horizontal Polarity :



--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]
1	31.311	30.3	-5.6	24.7	40.0	15.3

Vertical Polarity :

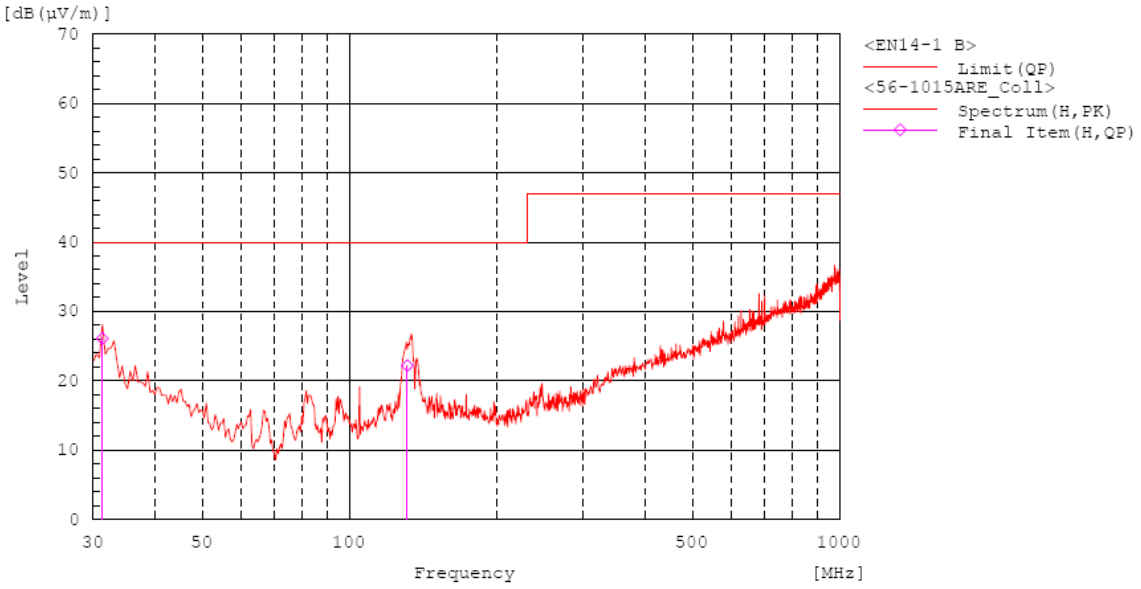


--- Vertical Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]
1	31.341	32.9	-5.6	27.3	40.0	12.7
2	133.816	41.9	-13.4	28.5	40.0	11.5

SET UP 10 : RAV-RM801CTP-E/RAV-SM1404ATP-E

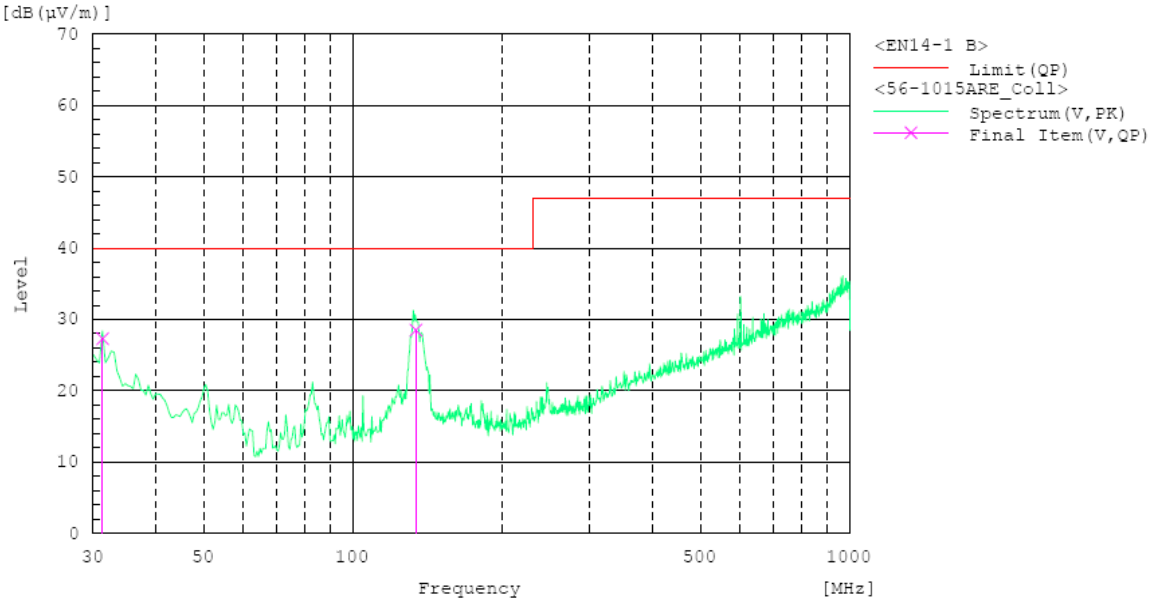
Figure 76: Spectral Diagram, Radiated Disturbance, 30MHz – 1000 MHz; Operation mode A
Horizontal Polarity :



--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]
1	31.311	31.7	-5.6	26.1	40.0	13.9
2	131.093	35.5	-13.3	22.2	40.0	17.8

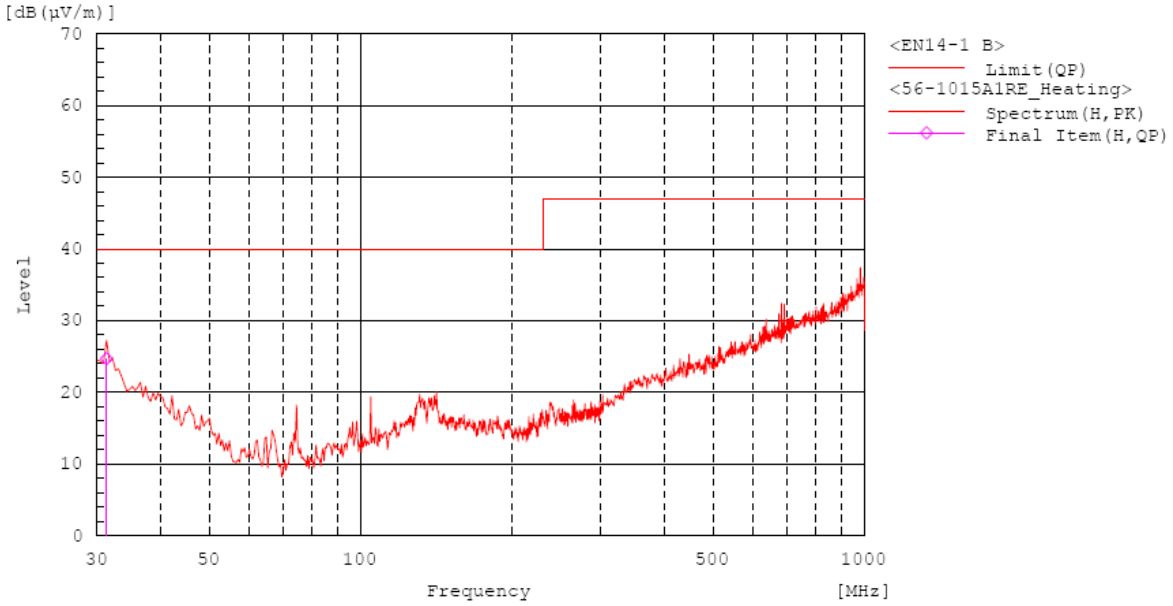
Vertical Polarity :



--- Vertical Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]
1	31.341	32.9	-5.6	27.3	40.0	12.7
2	133.816	41.9	-13.4	28.5	40.0	11.5

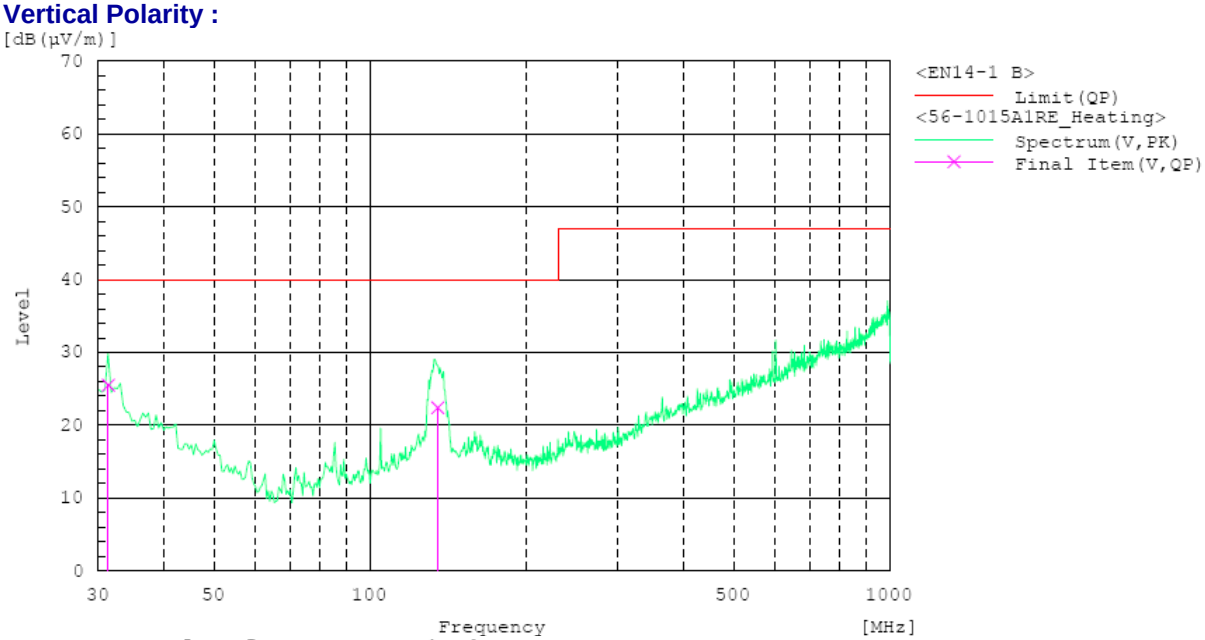
Operation mode B
Horizontal Polarity :



--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]
1	31.311	30.3	-5.6	24.7	40.0	15.3

Vertical Polarity :

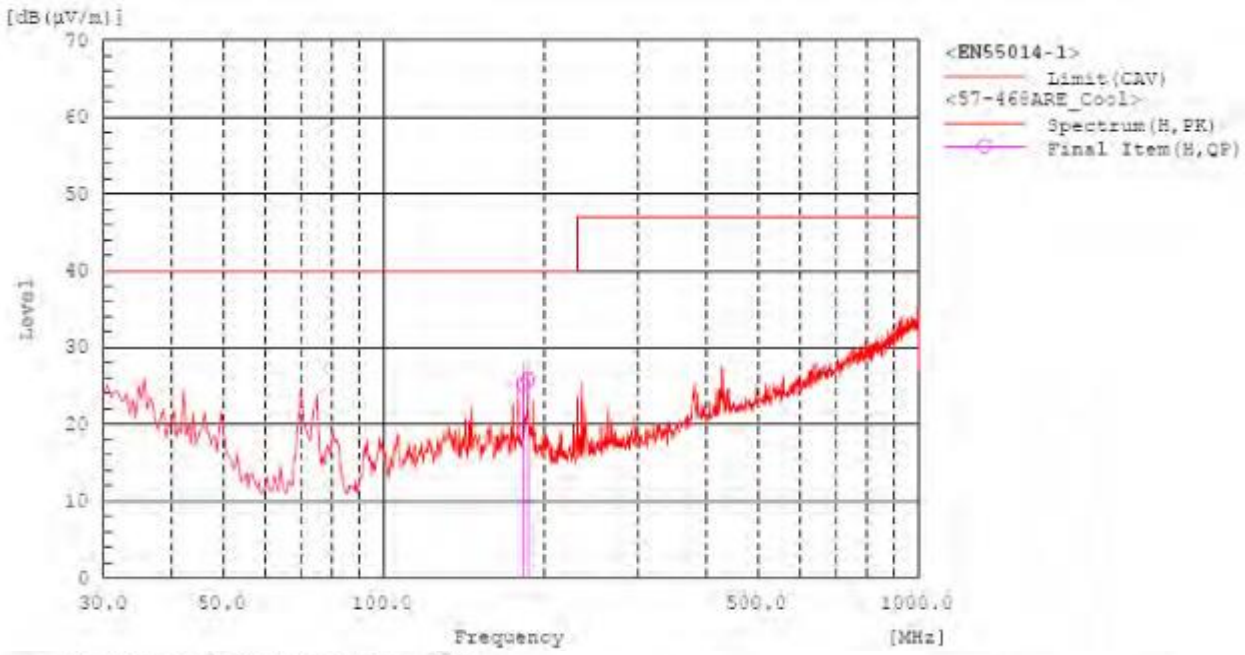


--- Vertical Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]
1	31.341	32.9	-5.6	27.3	40.0	12.7
2	133.816	41.9	-13.4	28.5	40.0	11.5

SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E

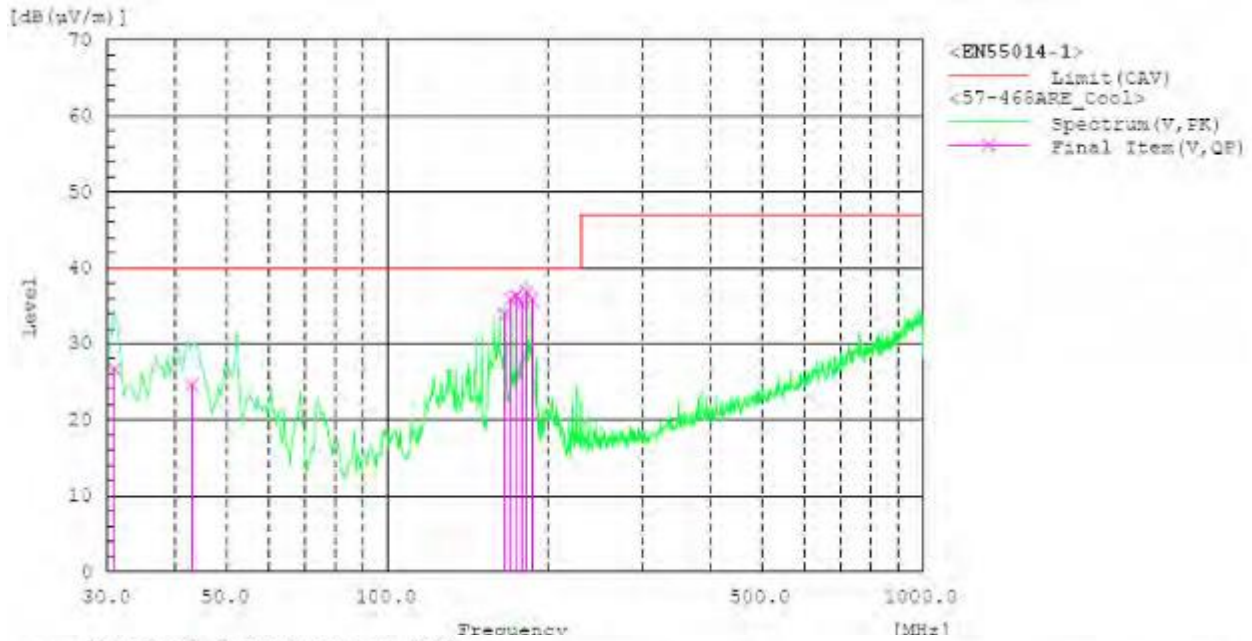
Figure 77: Spectral Diagram, Radiated Disturbance, 30MHz – 1000 MHz;
Operation mode A
Horizontal Polarity :



--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	182.068	39.5	-14.3	25.2	40.0	14.8	100.0	0.0
2	186.016	40.2	-14.4	25.8	40.0	14.2	100.0	0.0

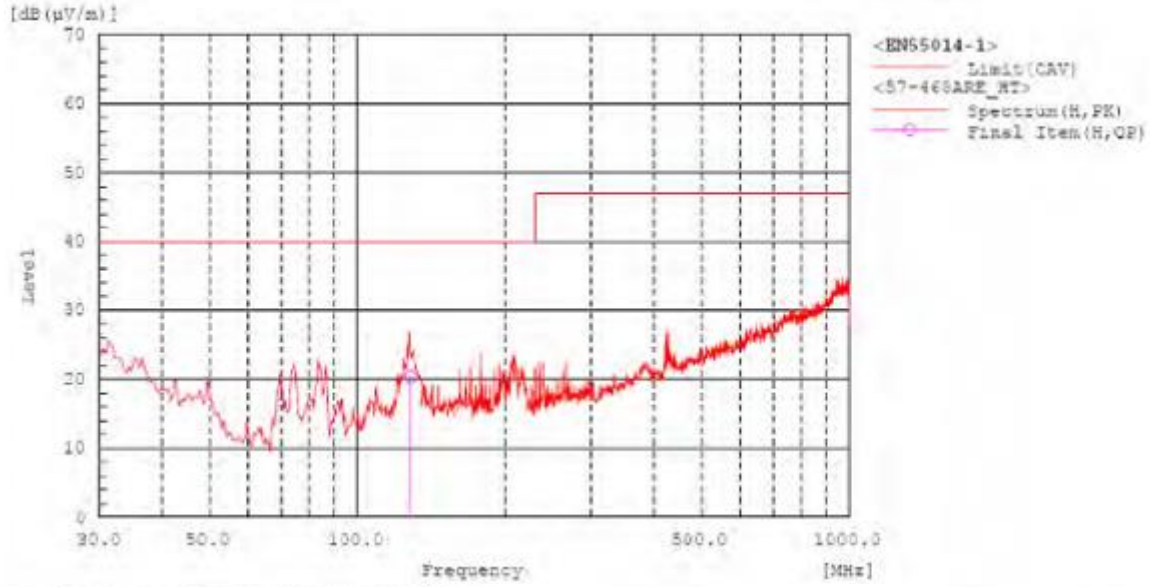
Vertical Polarity :



--- Vertical Polarization (QP) ---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	30.874	32.0	-5.3	26.7	40.0	13.3	100.0	0.0
2	43.115	36.5	-11.9	24.6	40.0	15.4	100.0	0.0
3	166.030	47.7	-13.8	33.9	40.0	6.1	100.0	0.0
4	170.037	49.8	-13.9	35.9	40.0	4.1	100.0	0.0
5	174.043	50.4	-14.1	36.3	40.0	3.7	100.0	0.0
6	178.033	49.5	-14.2	35.3	40.0	4.7	100.0	0.0
7	182.048	51.1	-14.3	36.8	40.0	3.2	100.0	0.0
8	186.015	50.2	-14.4	35.8	40.0	4.2	100.0	0.0

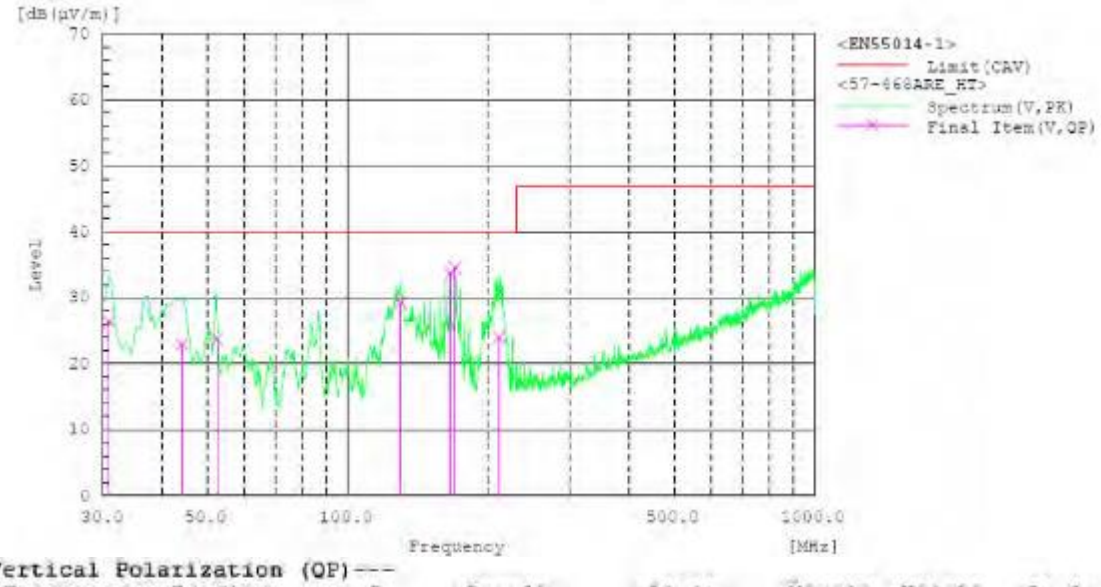
Operation mode B
Horizontal Polarity :



--- Horizontal Polarization (QP) ---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	128.500	34.1	-13.7	20.4	40.0	19.6	100.0	0.0

Vertical Polarity :

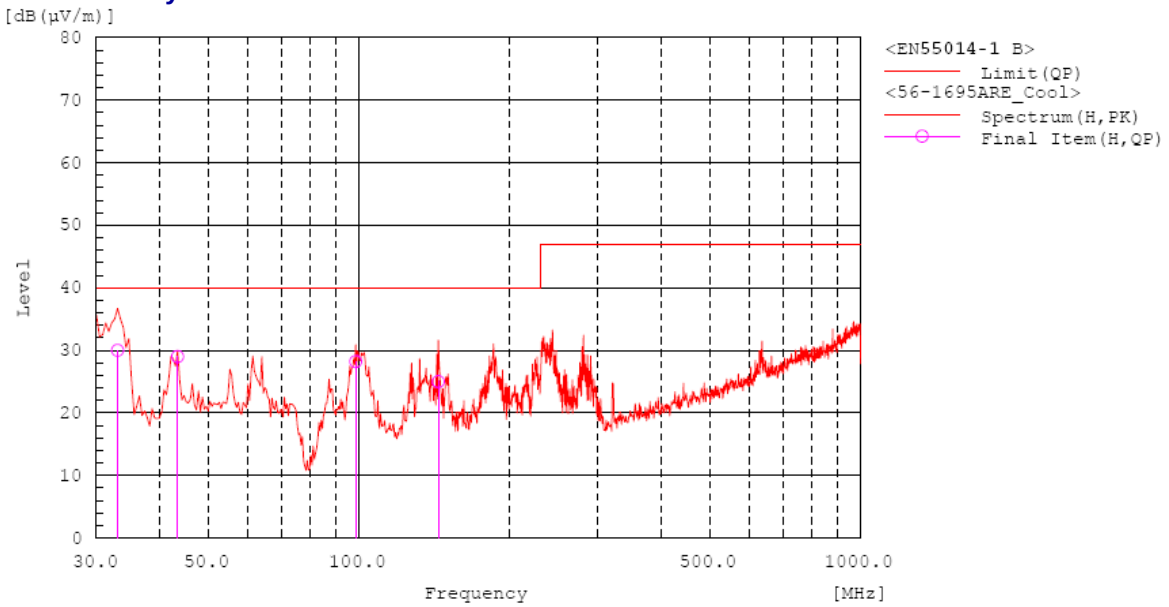


--- Vertical Polarization (QP) ---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	30.874	31.7	-5.3	26.4	40.0	13.6	100.0	0.0
2	44.190	35.4	-12.5	22.9	40.0	17.1	100.0	0.0
3	52.590	38.9	-15.2	23.7	40.0	16.3	100.0	0.0
4	130.017	42.9	-13.6	29.3	40.0	10.7	100.0	0.0
5	166.039	47.4	-13.8	33.6	40.0	6.4	100.0	0.0
6	170.050	48.4	-13.9	34.5	40.0	5.5	100.0	0.0
7	210.900	38.2	-14.2	24.0	40.0	16.0	100.0	0.0

SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

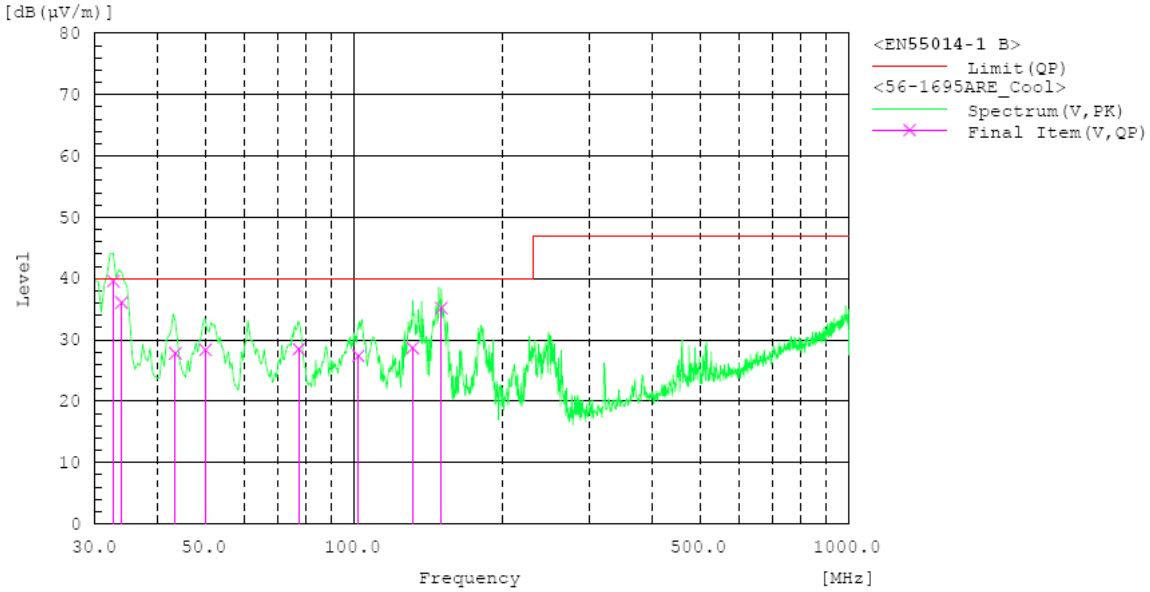
Figure 78: Spectral Diagram, Radiated Disturbance, 30MHz – 1000 MHz;
Operation mode A
Horizontal Polarity :



--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	33.056	37.1	-7.1	30.0	40.0	10.0	100.0	0.0
2	43.532	41.1	-12.1	29.0	40.0	11.0	100.0	0.0
3	98.569	44.8	-16.6	28.2	40.0	11.8	100.0	0.0
4	144.062	38.6	-13.6	25.0	40.0	15.0	100.0	0.0

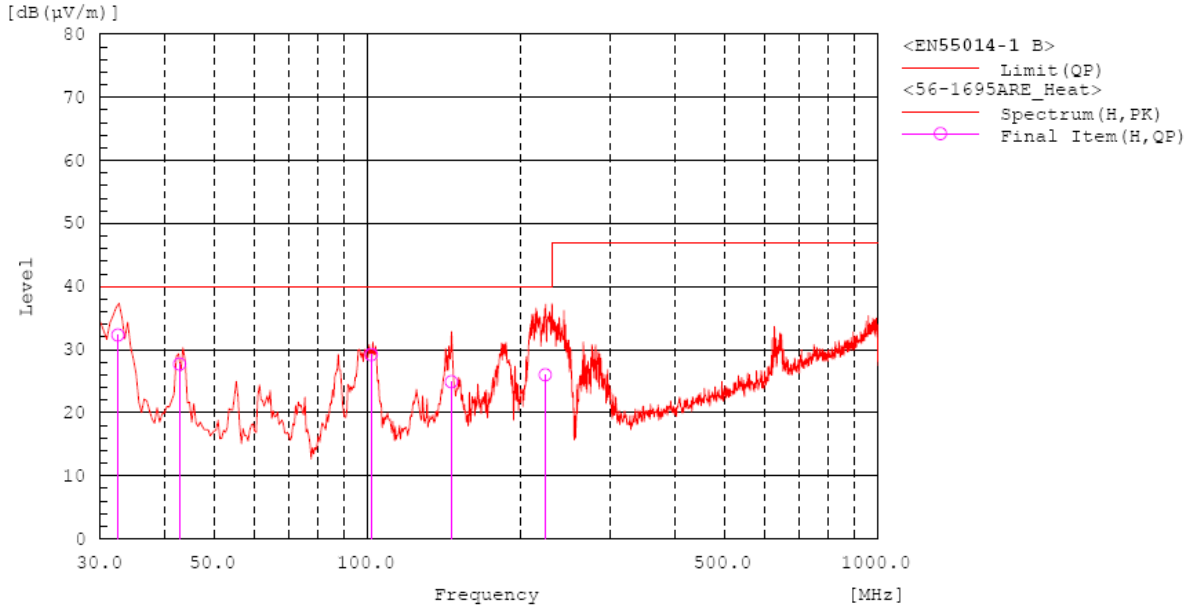
Vertical Polarity :



--- Vertical Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	32.651	46.4	-6.8	39.6	40.0	0.4	100.0	0.0
2	33.923	43.8	-7.7	36.1	40.0	3.9	100.0	0.0
3	43.570	40.0	-12.2	27.8	40.0	12.2	100.0	0.0
4	50.102	41.5	-13.1	28.4	40.0	11.6	100.0	0.0
5	77.385	47.5	-19.0	28.5	40.0	11.5	100.0	0.0
6	102.074	43.5	-16.1	27.4	40.0	12.6	100.0	0.0
7	131.385	42.3	-13.6	28.7	40.0	11.3	100.0	0.0
8	150.253	48.7	-13.5	35.2	40.0	4.8	100.0	0.0

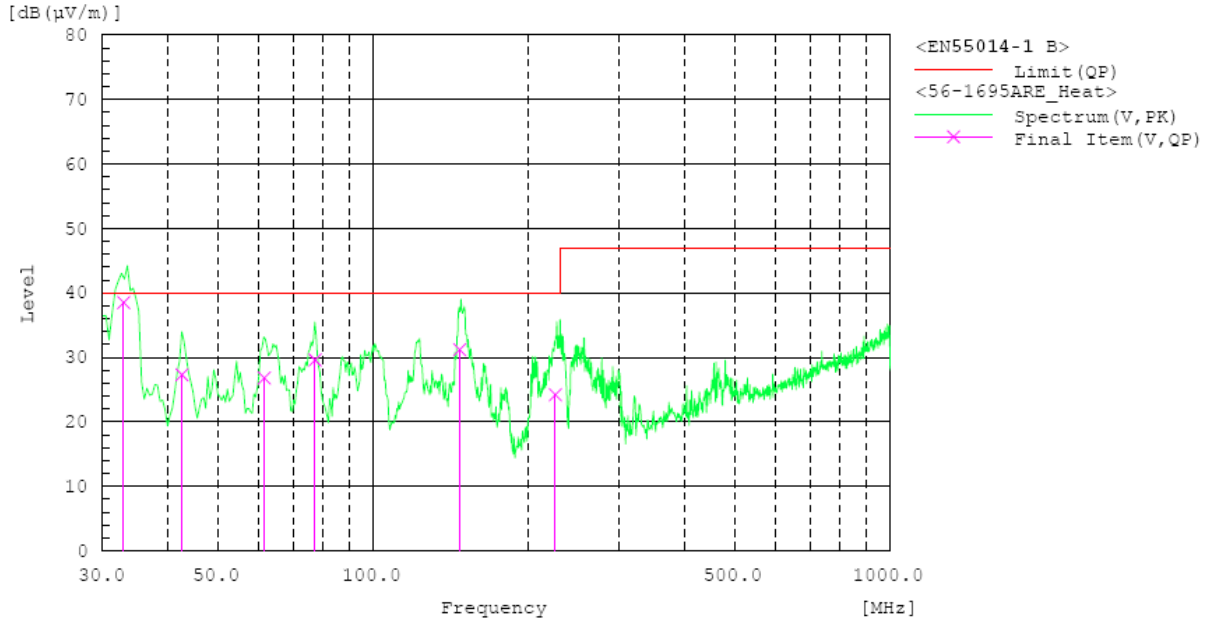
Operation mode B
Horizontal Polarity :



--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	32.462	39.0	-6.7	32.3	40.0	7.7	100.0	0.0
2	42.874	39.5	-11.8	27.7	40.0	12.3	100.0	0.0
3	101.786	45.3	-16.1	29.2	40.0	10.8	100.0	0.0
4	146.148	38.5	-13.6	24.9	40.0	15.1	100.0	0.0
5	223.062	39.8	-13.8	26.0	40.0	14.0	100.0	0.0

Vertical Polarity :



--- Vertical Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(µV)]	c.f [dB(1/m)]	Result [dB(µV/m)]	Limit [dB(µV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	32.944	45.5	-7.0	38.5	40.0	1.5	100.0	0.0
2	42.698	39.0	-11.7	27.3	40.0	12.7	100.0	0.0
3	61.568	46.0	-19.2	26.8	40.0	13.2	100.0	0.0
4	77.219	48.6	-19.0	29.6	40.0	10.4	100.0	0.0
5	147.163	44.8	-13.6	31.2	40.0	8.8	100.0	0.0
6	225.358	37.9	-13.7	24.2	40.0	15.8	100.0	0.0

6 . Test Results I M M U N I T Y

6.1 Classification of Apparatus

The EUT is mains powered operated appliance contains electronic control circuit with no internal clock frequency or oscillator frequency higher than 15MHz, according to EN 55014-2: 2015, clause 4.2 the EUT is a category IV appliance.

Apparatus of the **category IV** shall fulfill the requirements of:

Continuous Disturbance:	
Radio-frequency Common Mode / Conducted Susceptibility (CS)	**Criterion A**
Transient Disturbance:	
Electrical Fast Transients (EFT)	**Criterion B**
Surge	**Criterion B**
Electrostatic Discharges (ESD)	**Criterion B**
Power Supply Alterations:	
Voltage Dips and Interruptions	**Criterion C**

Note: The phenomena is monitored on display and fan speed.

6.2 Continuous Disturbances

6.2.1 Radio-frequency Common Mode / Conducted Susceptibility (CS)

RESULT: **PASSED**

Date of testing	:	2018.01.03 – 2018.02.21
Test Specification	:	EN 55014-2: 2015, clause 5.3
Basic Standard	:	IEC 61000-4-6:2013
Source impedance	:	150Ω
Frequency range	:	150kHz - 230MHz
Modulation	:	AM 80%, 1kHz sine-wave
Sweep mode	:	automatic
Sweep rate	:	$<1.5\times10^{-3}$decade/3sec.
Performance criterion	:	A

Test Setup:

Input Voltage	:	AC 230V, 50Hz
Operation Mode	:	D
Temperature	:	15°C
Humidity	:	56%

Table 5: Immunity against Radio-frequency Common Mode / Conducted Susceptibility (CS)

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

Coupling port	Coupling method:	Strength	Result	Remarks
AC mains: L N PE	CDN M-3	3V(r.m.s.)	Pass	Equipment operated as intended, no degradation of function
Interconnection cable:	EM Injection clamp	1V(r.m.s.)	Pass	Equipment operated as intended, no degradation of function

SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1
SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1
SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

Coupling port	Coupling method:	Strength	Result	Remarks
AC mains: L N PE	CDN M-3	3V(r.m.s.)	Pass	Equipment operated as intended, no degradation of function
Interconnection cable:	EM Injection clamp	1V(r.m.s.)	Pass	Equipment operated as intended, no degradation of function
Wired remote con-troller cable:	EM Injection clamp	1V(r.m.s.)	Pass	Equipment operated as intended, no degradation of function

6.2.2 Radio frequency electromagnetic fields

RESULT: **PASSED**

Date of testing	:	2018.01.03 – 2018.02.21
Test Specification	:	EN 55014-2: 2015, clause 5.5
Basic Standard	:	IEC 61000-4-3:2006 +A1:2008 +A2:2010
Frequency range	:	80MHz – 1000MHz
Modulation	:	AM 80%, 1kHz sine-wave
Step size	:	1%
Dwell time	:	3sec.
Performance criterion	:	A

Test Setup:

Input Voltage	:	AC 230V, 50Hz
Operation Mode	:	B
Temperature	:	23°C
Humidity	:	31%

Table 6: Immunity against Radio-frequency electromagnetic fields

SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

Enclosure	Polarity	Result	Remarks
Front	Horizontal, Vertical	Pass	Equipment operated as intended, no degradation of function
Left	Horizontal, Vertical	Pass	Equipment operated as intended, no degradation of function
Back	Horizontal, Vertical	Pass	Equipment operated as intended, no degradation of function
Right	Horizontal, Vertical	Pass	Equipment operated as intended, no degradation of function

6.3 Transient Disturbances

6.3.1 Electrical Fast Transients (EFT)

RESULT: **PASSED**

Date of testing : 2018.01.03 – 2018.02.21

Test Specification : EN 55014-2: 2015, clause 5.2
Basic Standard : IEC 61000-4-4:2012
Performance criterion : B
Pulsform : T_r/T_d=5/50ns
Repetition Freq. : 5kHz
Test duration : 2min.

Test Setup:
Input Voltage : AC 230V, 50Hz
Operation Mode : D

Temperature : 15°C
Humidity : 56%

Table 7: Immunity against Electrical Fast Transients (EFT), AC Mains

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

Coupling method: direct injection		**Inject time: 120s**
Coupling port	**Test voltage / result**	**Remarks**
AC mains: L-G, N-G, PE-G, L,N,PE-G	±1000V Pass	Equipment operated as intended, no degradation of function
Interconnection cable:	±500V Pass	Equipment operated as intended, no degradation of function

SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1
SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1
SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

Coupling method: direct injection		**Inject time: 120s**
Coupling port	**Test voltage / result**	**Remarks**
AC mains: L-G, N-G, PE-G	±1000V Pass	Equipment operated as intended, no degradation of function
Interconnection cable:	±500V Pass	Equipment operated as intended, no degradation of function
Wired remote controller cable:	±500V Pass	Equipment operated as intended, no degradation of function

6.3.2 Surge

RESULT: **PASSED**

Date of testing	:	2018.01.03 – 2018.02.21
Test Specification	:	EN 55014-2: 2015, clause 5.6
Basic Standard	:	IEC 61000-4-5:2014
Pulsform	:	T_r/T_d=1.2/50µs
Test voltages	:	±1kV, ±2kV
Coupling	:	Coupling Network for AC Mains
Coupling phases	:	π/2, 3π/2
Number of surges	:	5 (for each combination of parameters)
Repetition rate	:	max. 1/min
Performance criterion	:	B

Test Setup:

Input Voltage	:	AC 230V, 50Hz
Operation Mode	:	D
Temperature	:	16°C
Humidity	:	55%

Table 8: Surge Immunity Tests, AC Power Supply

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E
SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1
SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1
SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

Coupling port	Test voltage	Source Impedance	Coupling phase / result	Remarks
AC mains: L – N	±1000V	2Ω	π/2 Pass 3π/2 Pass	Equipment operated as intended, no degradation of function
AC mains: L – PE	±2000V	12Ω	π/2 Pass 3π/2 Pass	Equipment operated as intended, no degradation of function
AC mains: N – PE	±2000V	12Ω	π/2 Pass 3π/2 Pass	Equipment operated as intended, no degradation of function

6.3.3 Electrostatic Discharges (ESD)

RESULT: **PASSED**

Date of testing : 2018.01.03 – 2018.02.21

Test Specification : EN 55014-2: 2015, Clause 5.1
Basic Standard : IEC 61000-4-2:2008
Performance criterion : B
Charge voltage : ±4.0kV(contact)
±8.0kV(air discharge)
Number of discharges : >10
Polarity : Positive / Negative

Test Setup:
Input Voltage : AC 230V, 50Hz
Operation Mode : D

Temperature : 16°C
Humidity : 55%

Table 9: Electrostatic Discharge, both Polarities

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E
SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1
SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1
SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

Discharge points	Type of discharge	Result	Remarks
Enclosure	Direct contact	Pass	Equipment operated as intended, no degradation of function
Wireless remote control unit	Air	Pass	Equipment operated as intended, no degradation of function
Screws at enclosure	Direct contact	Pass	Equipment operated as intended, no degradation of function
VCP	Direct contact	Pass	Equipment operated as intended, no degradation of function

6.4 Power Supply Alterations

6.4.1 Voltage Dips and Interruptions

RESULT: **PASSED**

Date of testing : 2018.01.03 – 2018.02.21

Test Specification : EN 55014-2: 2015, clause 5.7
Basic Standard : IEC 61000-4-11:2004
Performance criterion : C

Test Setup:
Input Voltage : AC 230V, 50Hz
Operation Mode : D

Temperature : 16°C
Humidity : 54%

Table 10: Voltage Dips and Interruptions Immunity

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E
SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1
SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

Voltage reduction [%, appl. Voltage V]	Reduction time [period]	Results	Remarks
60% **(40%)**	200 ms (10)	Pass	Equipment operated as intended, no degradation of function
30% **(70%)**	500 ms (25)	Pass	Equipment operated as intended, no degradation of function
Interruption (0%)	10 ms (0.5)	Pass	Equipment operated as intended, no degradation of function

7 . Photographs of the Test Set-Up

Photograph 1: Set-up for Emission of Harmonics & Voltage Fluctuation and Flicker

SET UP 1 : RAV-RM301KRTP-E/RAV-GM301ATP-E

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

SET UP 3 : RAV-RM801KRTP-E/RAV-GM801ATP-E

SET UP 4 : RAV-SM1401UTP-E/RAV-GM1401ATP-E

SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

SET UP 6 : RAV-RM801UTP-E/RAV-SM804ATP-E

SET UP 7: RAV-RM1401UTP-E/RAV-SM-1404ATP-E

SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

SET UP 9 : RAV-RM561CTP-E/RAV-SP564ATP-A1

SET UP 10 : RAV-RM801CTP-E/RAV-SM1404ATP-E

SET UP 11: RAV-RM1401CTP-E/RAV-SM1404ATP-E

SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E

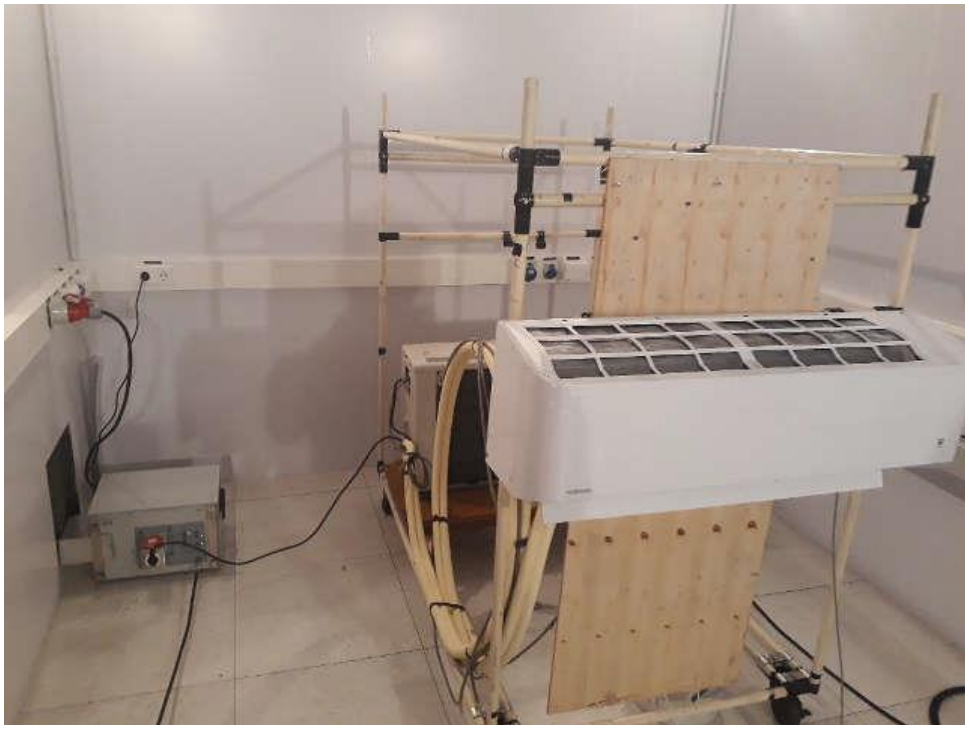
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1

SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

Photograph 2: Set-up for Mains Terminal Continuous Disturbance Voltage

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

SET UP 3 : RAV-RM801KRTP-E/RAV-GM801ATP-E



SET UP 4 : RAV-SM1401UTP-E/RAV-GM1401ATP-E

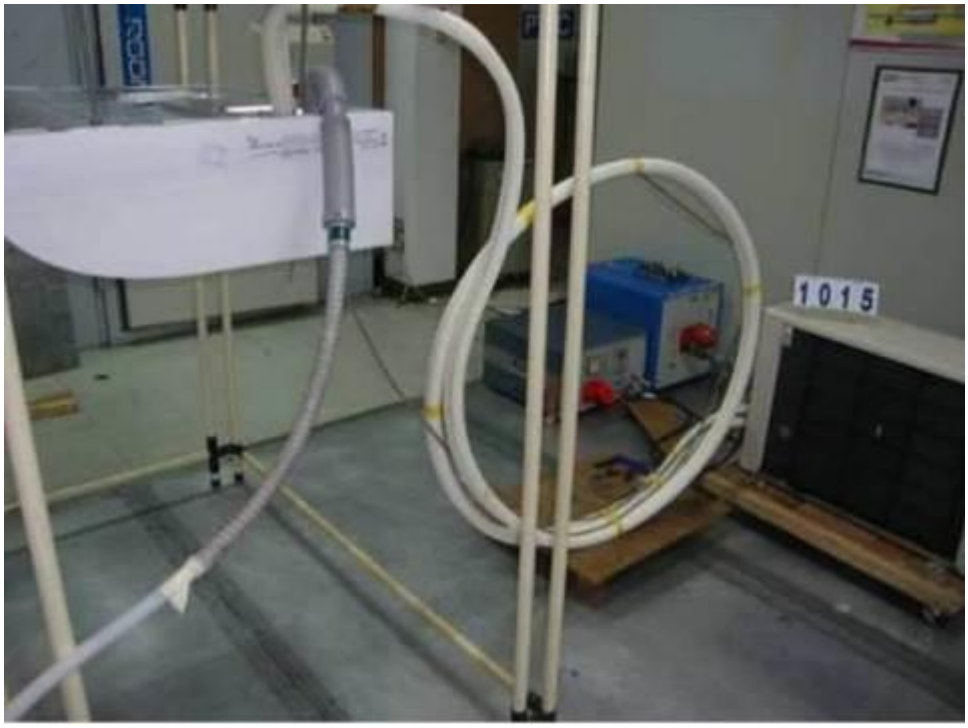
SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

SET UP 6 : RAV-RM801UTP-E/RAV-SM804ATP-E

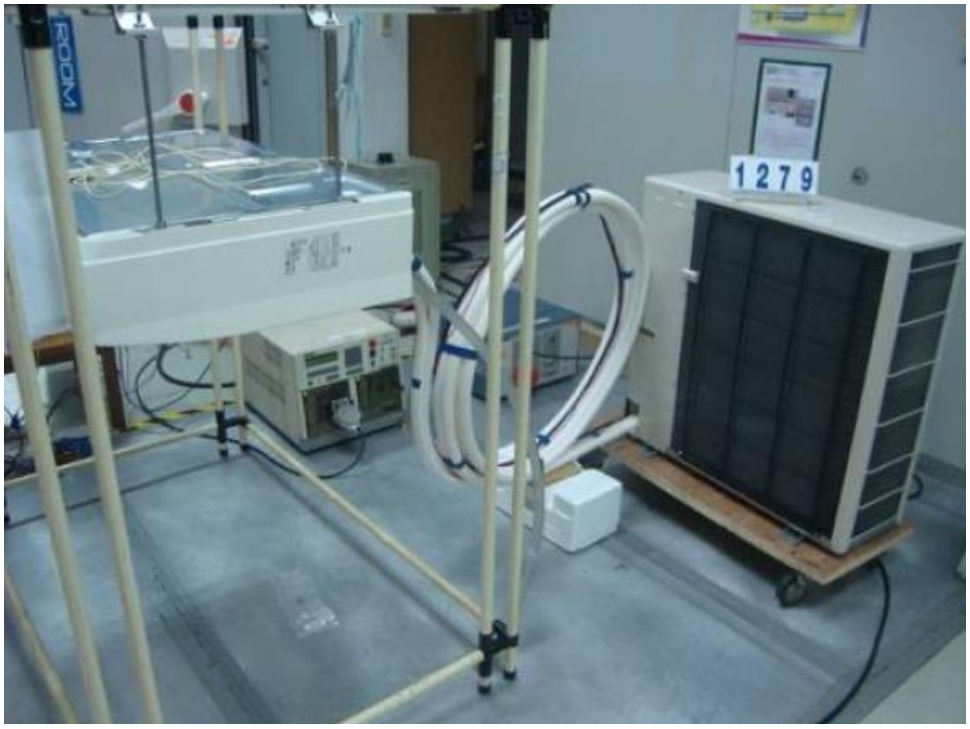
SET UP 7: RAV-RM1401UTP-E/RAV-SM-1404ATP-E

SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

SET UP 9 : RAV-RM561CTP-E/RAV-SP564ATP-A1

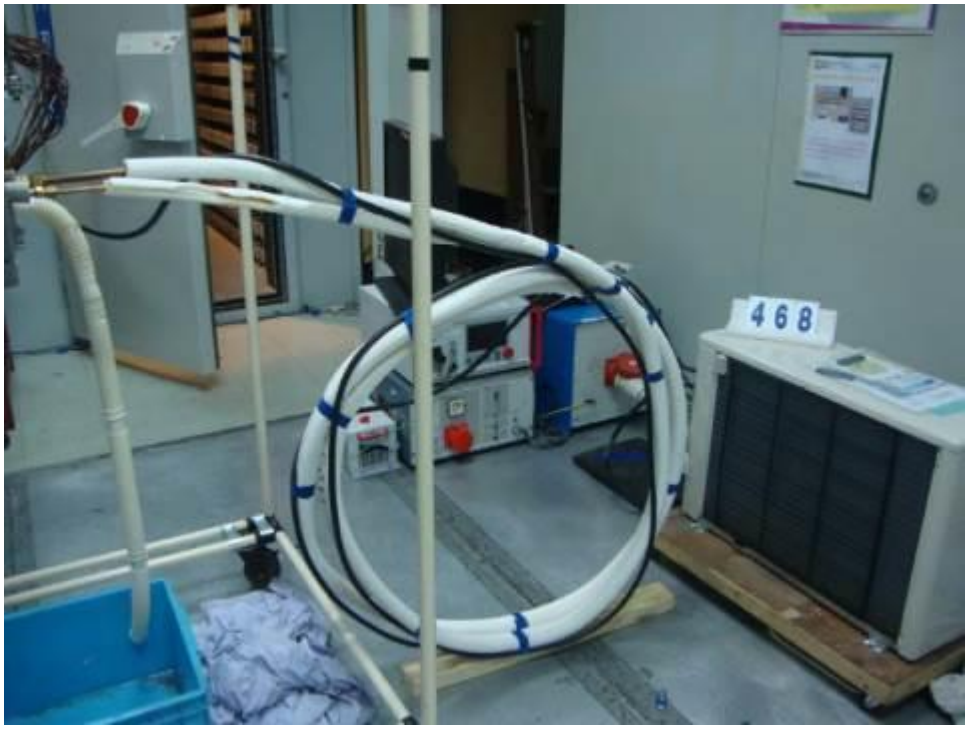


SET UP 10 : RAV-RM801CTP-E/RAV-SM1404ATP-E



SET UP 11: RAV-RM1401CTP-E/RAV-SM1404ATP-E

SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E



SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1

SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

Photograph 3: Set-up for Discontinuous Disturbance

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

SET UP 3 : RAV-RM801KRTP-E/RAV-GM801ATP-E

SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E

SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1

SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

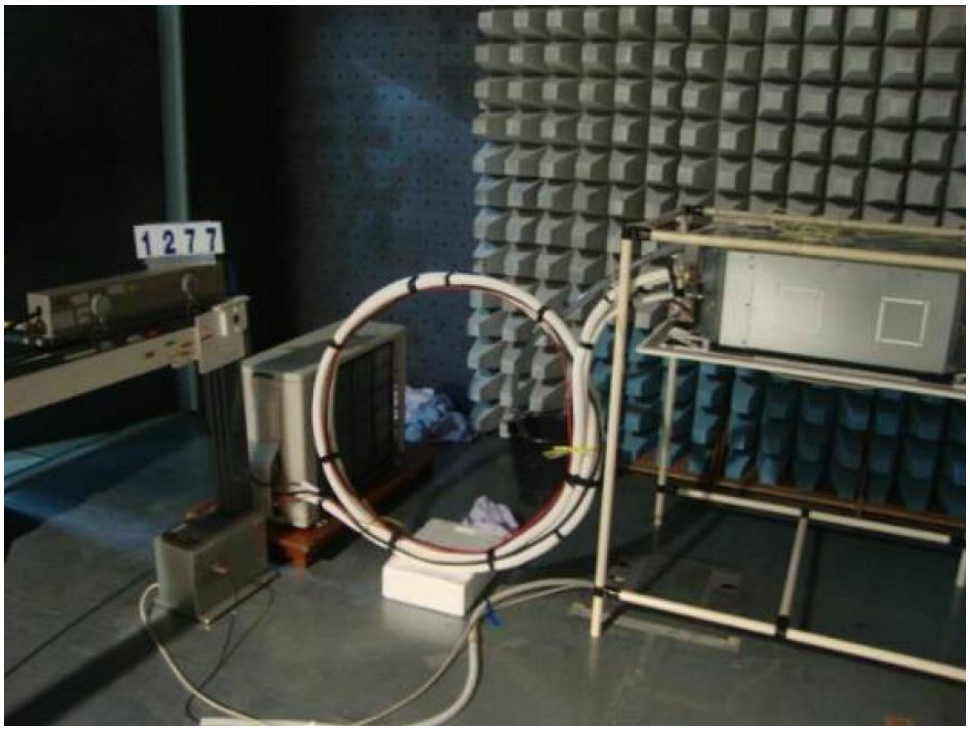
Photograph 4: Set-up for Disturbance Power

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

SET UP 3 : RAV-RM801KRTP-E/RAV-GM801ATP-E

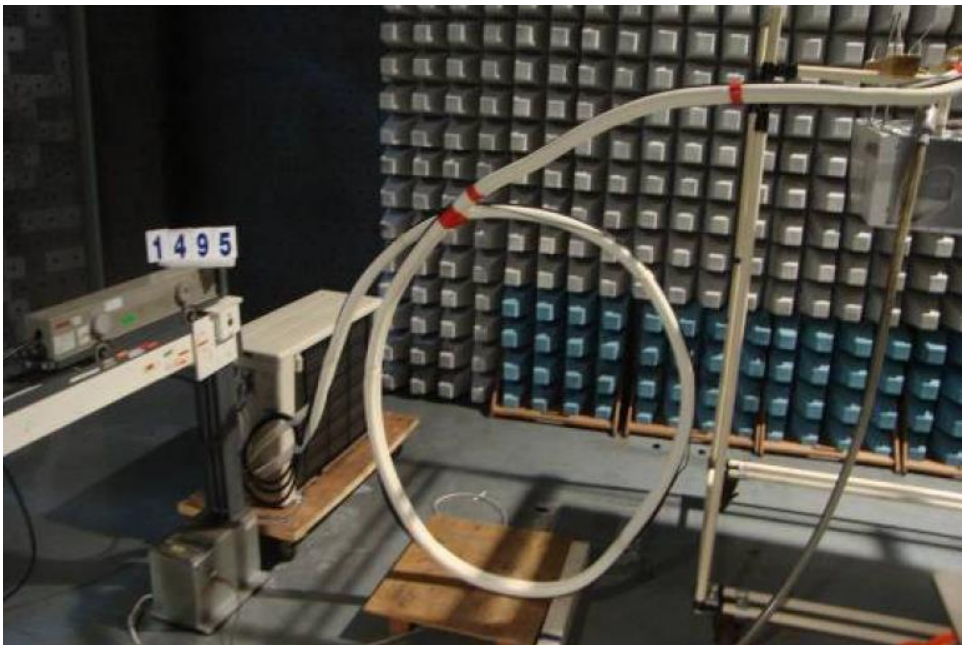
SET UP 4 : RAV-SM1401UTP-E/RAV-GM1401ATP-E

SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1



SET UP 7: RAV-RM1401UTP-E/RAV-SM-1404ATP -E

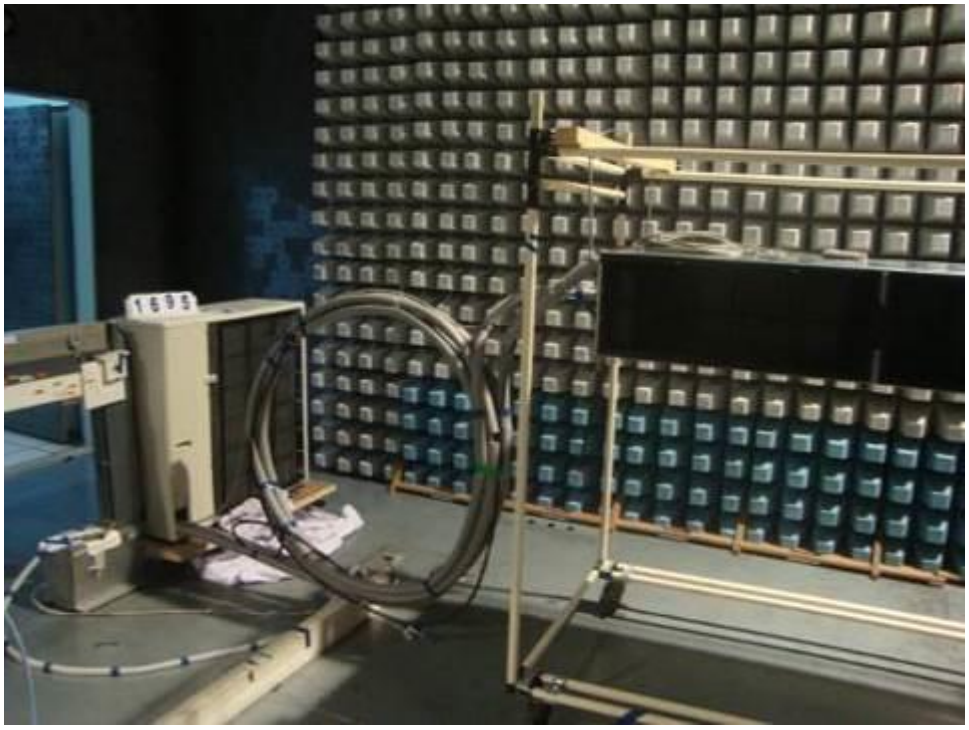
SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E



SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E

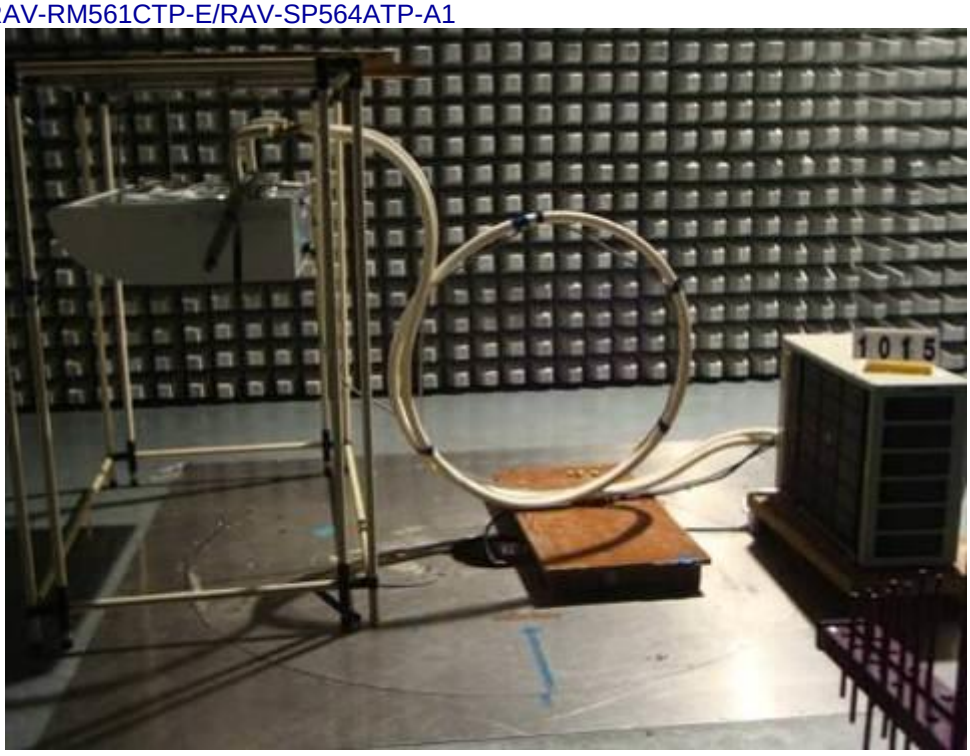
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1

SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E



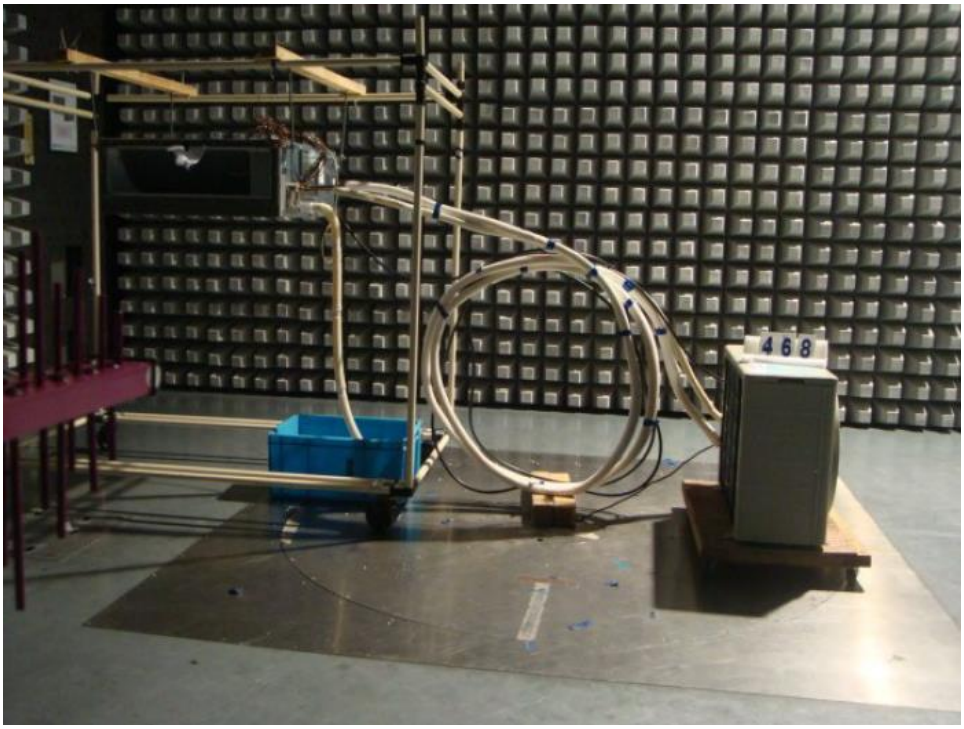
Photograph 5: Set-up for Radiated Disturbance

SET UP 9 : RAV-RM561CTP-E/RAV-SP564ATP-A1

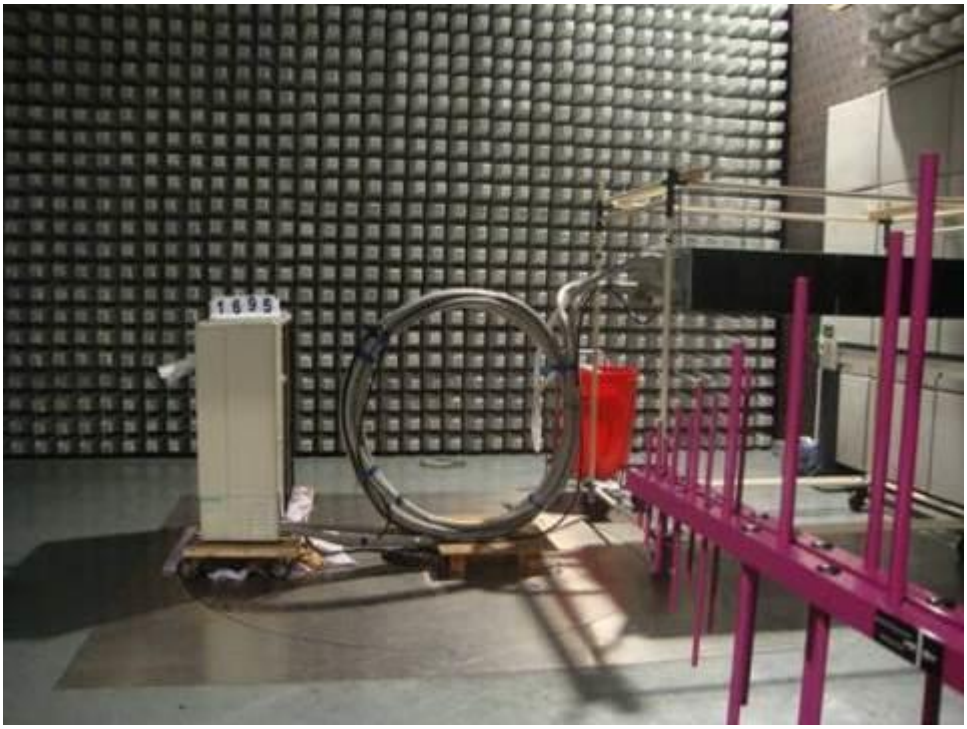


SET UP 10 : RAV-RM801CTP-E/RAV-SM1404ATP-E

SET UP 12 : RAV-RM561BTP-E/RAV-SM564ATP-E

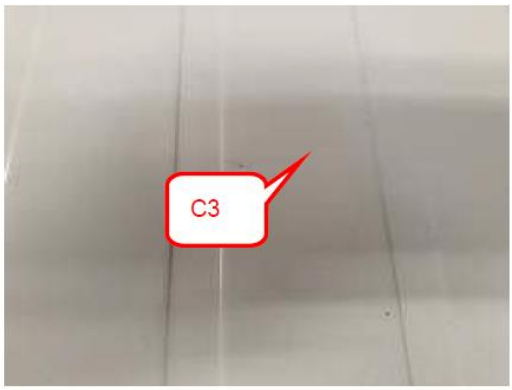


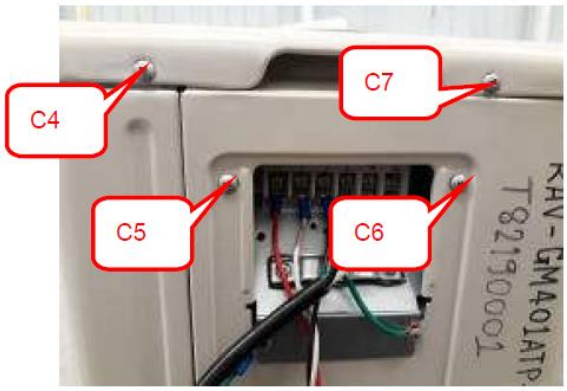
SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

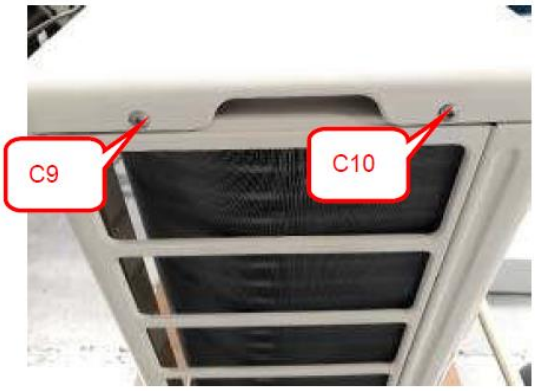


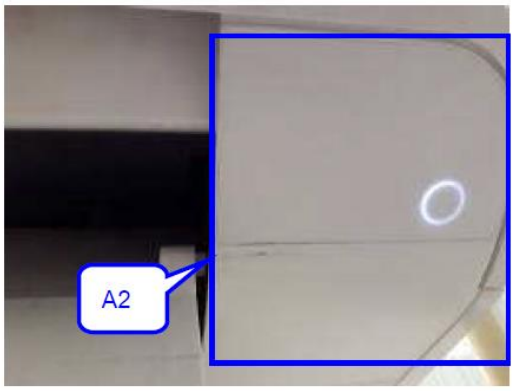
Photograph 6: Set-up for Electrostatic Discharge

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

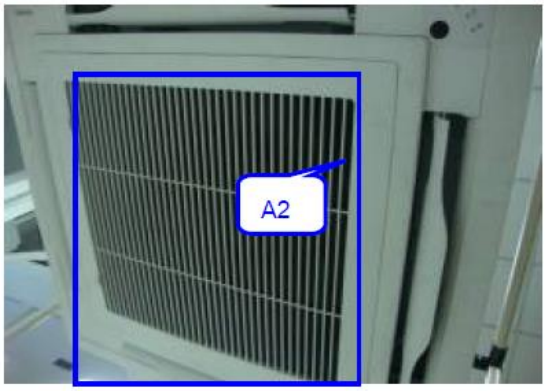




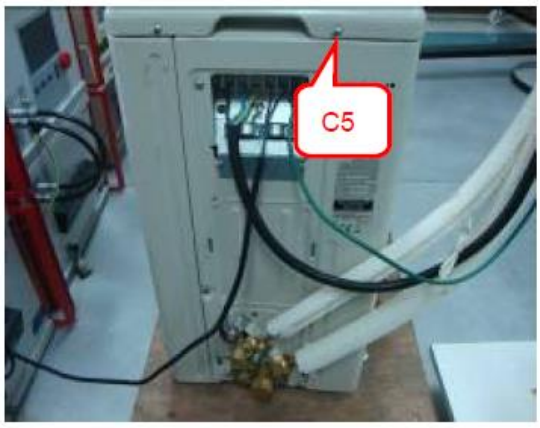


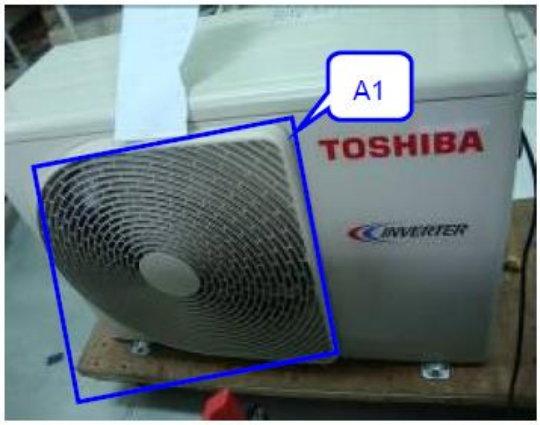


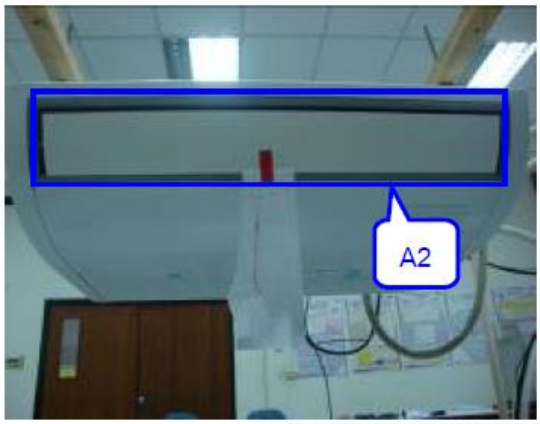
SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

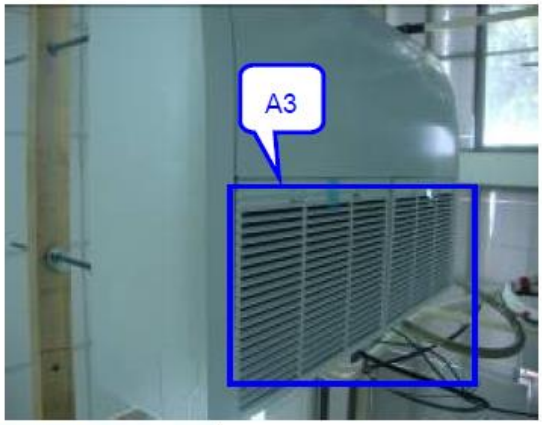


SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

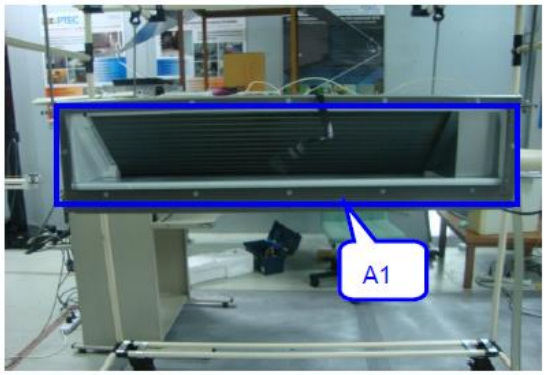


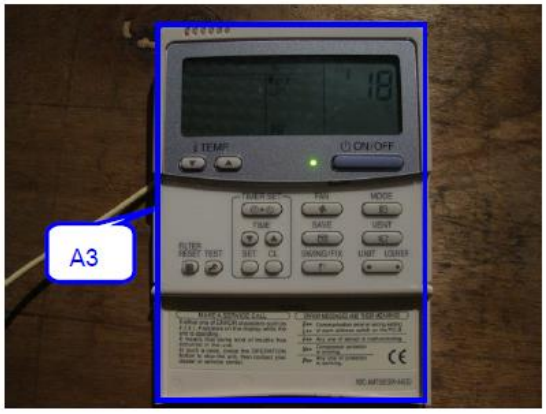


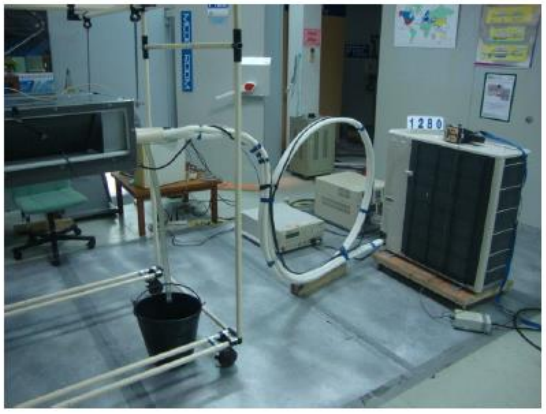




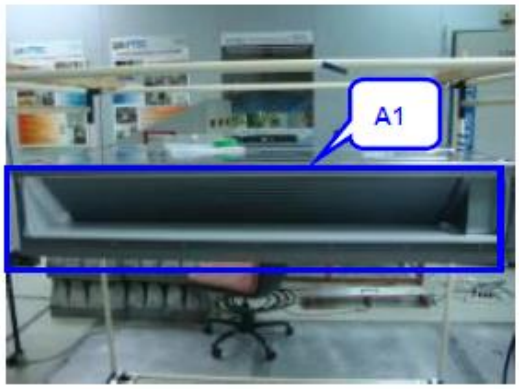
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1





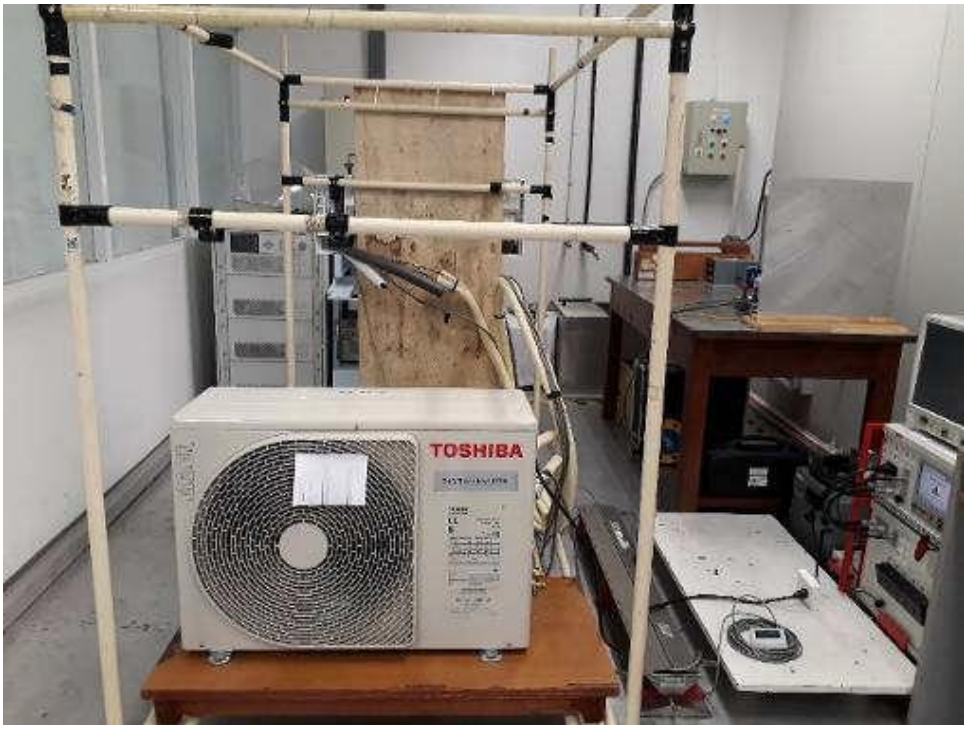


SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E



Photograph 7: Set-up for ELECTRICAL FAST TRANSIENTS

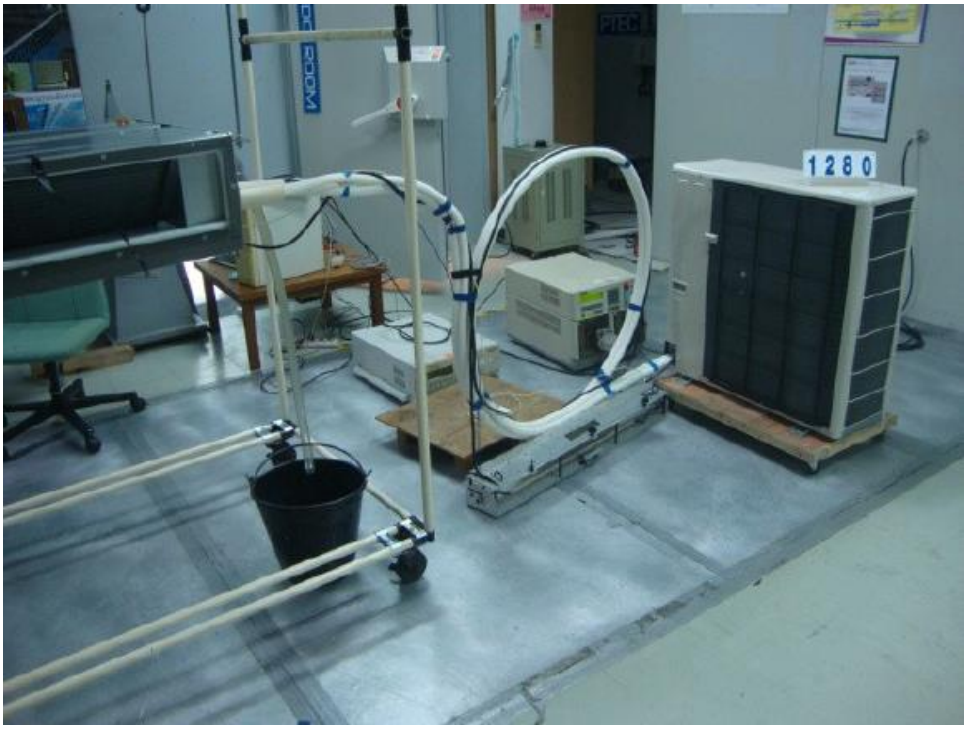
SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E



SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

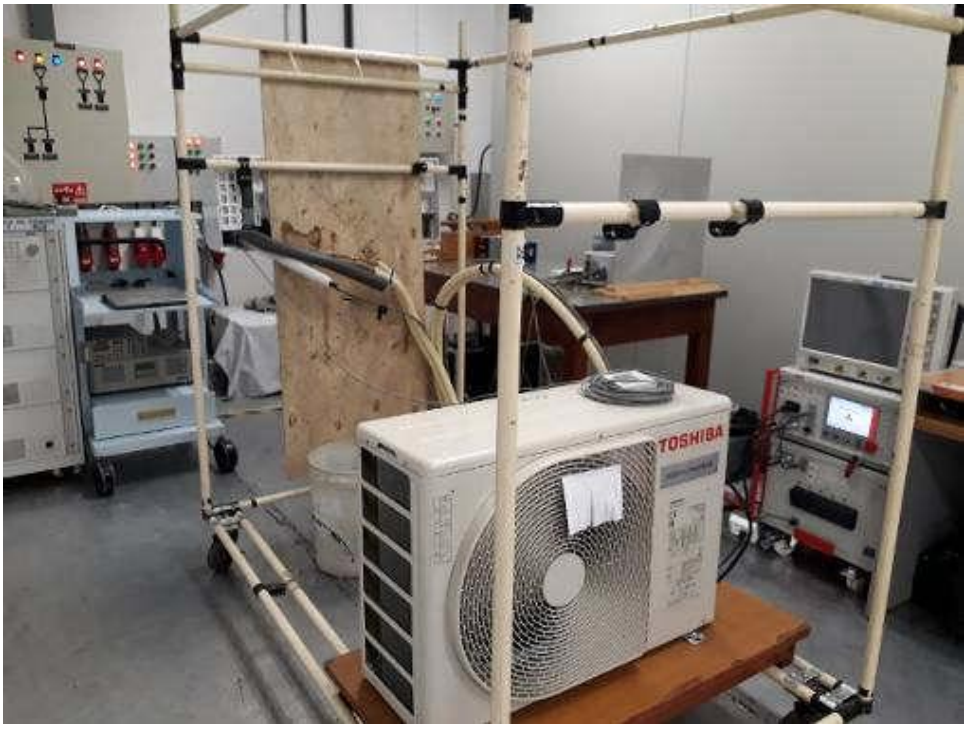
SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1



SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

Photograph 8: Set-up for Surge

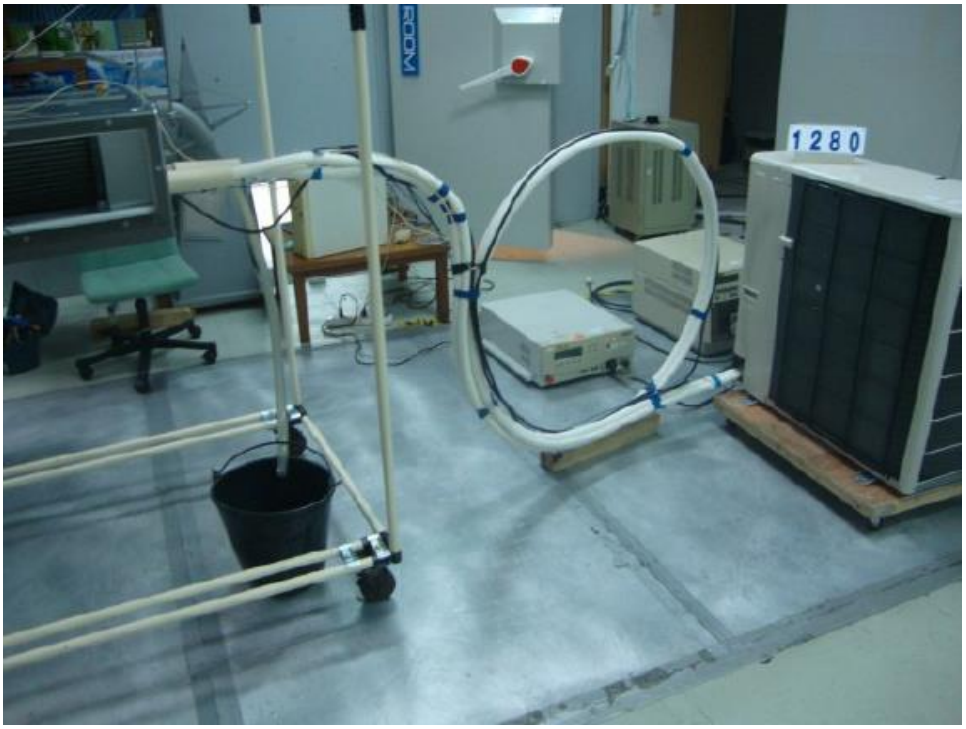
SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E



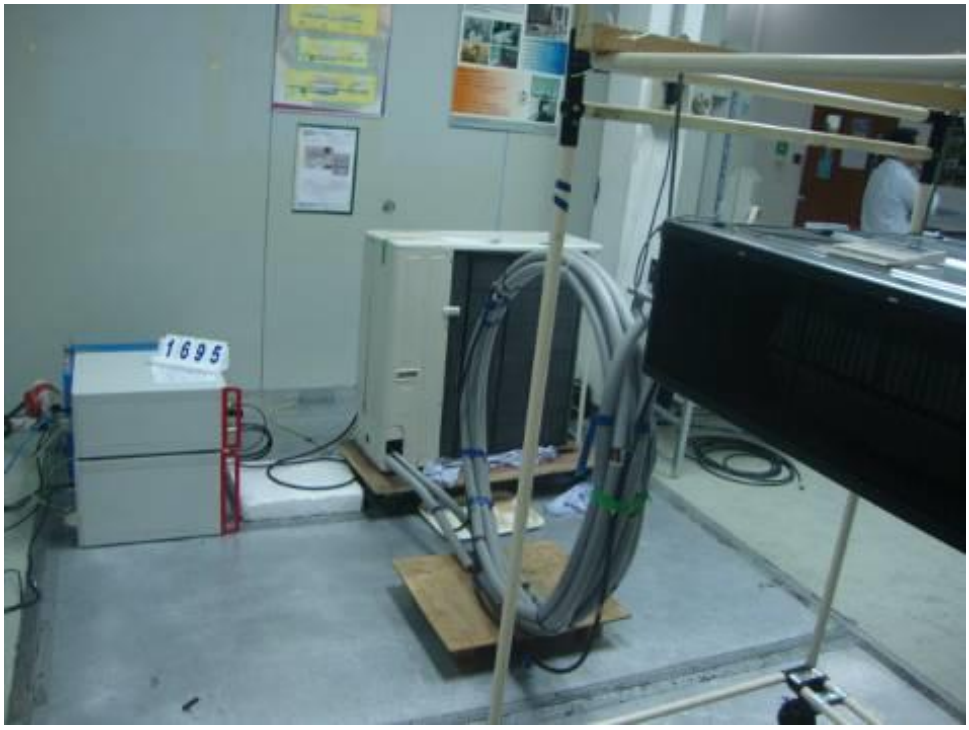
SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1



SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E



Photograph 9: Set-up for Radio-frequency Common Mode / Conducted Susceptibility (CS)

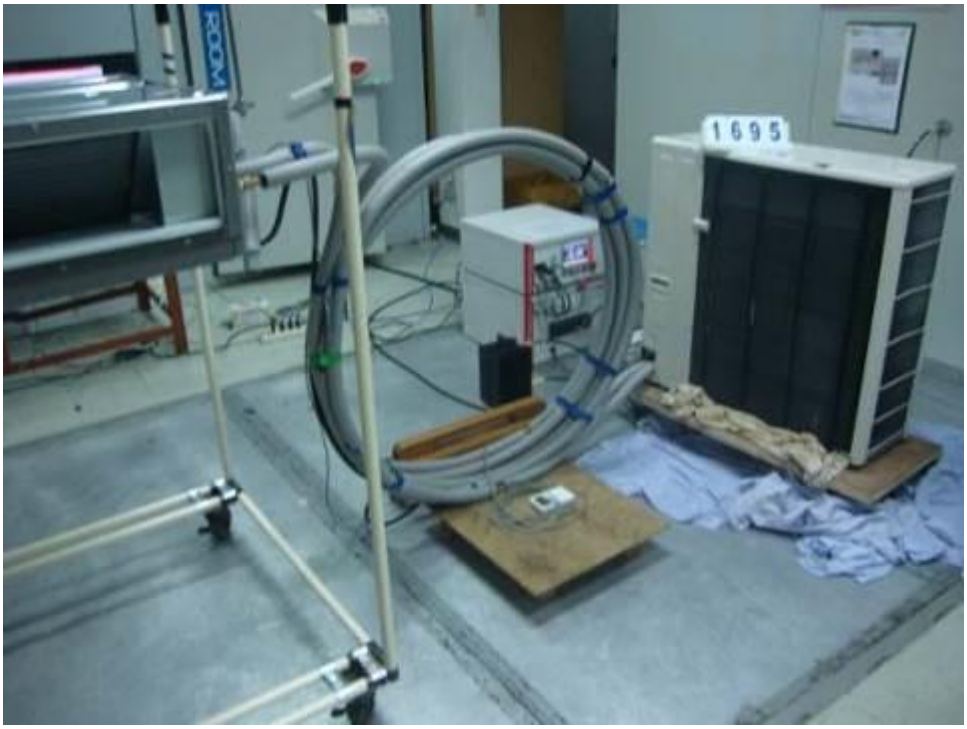
SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E

SET UP 13: RAV-RM801BTP-E/RAV-SP804ATP-A1

SET UP 14 : RAV-RM1401BTP-E/RAV-SM1401ATP-E

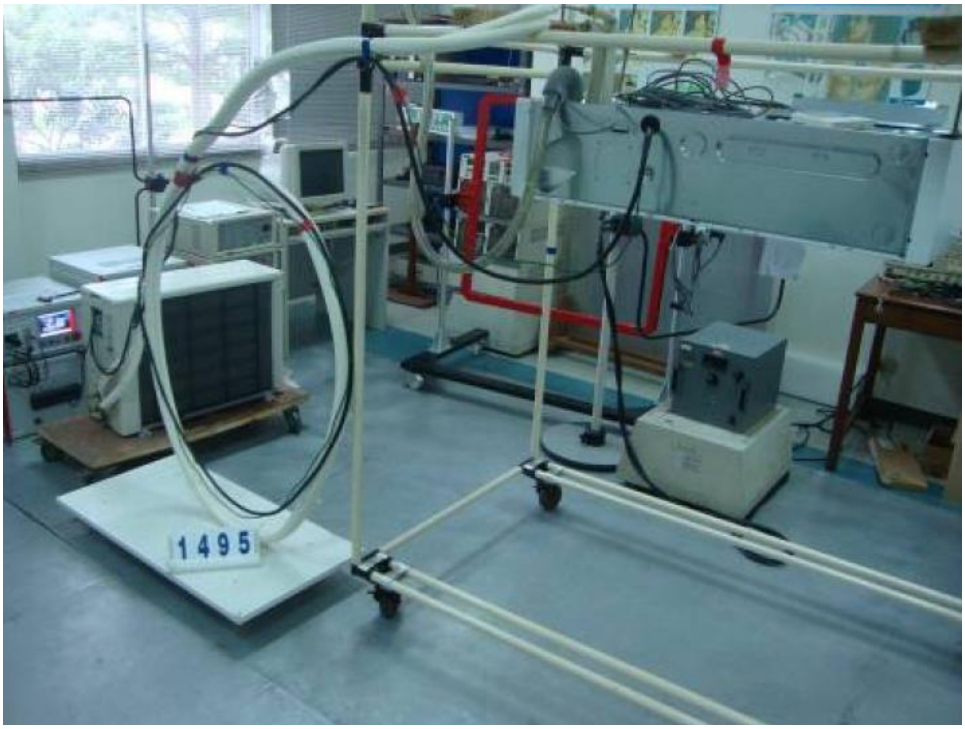


Photograph 10: Set-up for Voltage Dips and Interruptions

SET UP 2 : RAV-RM401KRTP-E/RAV-GM401ATP-E

SET UP 5: RAV-RM561UTP-E/RAV-SP564ATP-A1

SET UP 8 : RAV-RM401CTP-E/RAV-SM404ATP-E



8. List of Tables

9. List of Figures

10. List of Photographs