

# TEST REPORT

EUT Number: 61-805

Equipment Under Test: Air Conditioner

Trade Name: Toshiba

Model: RAS-4M27U2AVG-E (Outdoor) and RAS-M24U2DVG-E+  
RAS-M13U2MUVG-E+RAS-B10U2FVG-E+RAS-M07U2DVG-E (Indoor unit)  
is representative for testing.  
(Please see page 9 for product Information)

Serial Number: -

Reference Number: -

Manufactured by: -

Customer: Toshiba - Carrier (Thailand) Co., Ltd.  
Address: 144/9 Moo.5, Bangkadi Industrial Park,  
Tivanon Rd., T.Bangkadi, A.Muang, Pathumtani 12000

Receipt Date: 5 June 2018

Date of Test: 7 - 8 June 2018

Issued Date of Report: 25 June 2018

Approved by



MR. Anake Meemoosor

Operation Manager

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## 1 SUMMARY OF TESTING

This product was tested and complied according to following specification standards:

EN55014-1 Electromagnetic compatibility-Requirements for household appliances, electric tool and similar apparatus Part1: Emission.

| Test Item                 | Test Specification                   | Test Method    | Result |
|---------------------------|--------------------------------------|----------------|--------|
| Conducted Emission        | EN55014-1:2017<br>Table 1 Column 2,3 | EN55014-1:2017 | PASS   |
| Disturbance Power         | EN55014-1:2017<br>Table 2 Column 2,3 | EN55014-1:2017 | PASS   |
| Discontinuous disturbance | EN55014-1:2017<br>Table 1 Column 2   | EN55014-1:2017 | PASS   |

Note: Voltage 230 VAC / 50 Hz.

## 2 TEST PLAN AND DEVIATIONS FROM STANDARD

### 2.1 Test Plan

| No. | Test Item                 | Rated voltage    | Mode | Test Port | Test Specification                   |
|-----|---------------------------|------------------|------|-----------|--------------------------------------|
| 1   | Conducted Emission        | 230 VAC<br>50 Hz | A,D  | AC Main   | EN55014-1:2017<br>Table 1 Column 2,3 |
| 2   | Disturbance Power         | 230 VAC<br>50 Hz | A,D  | AC Main   | EN55014-1:2017<br>Table 2 Column 2,3 |
| 3   | Discontinuous disturbance | 230 VAC<br>50 Hz | A,D  | AC Main   | EN55014-1:2017<br>Table 1 Column 2   |

### 2.2 Deviations from standard

-

### 3 TEST CONDITIONS

#### 3.1 Operation Mode

- A: Normal operation in cooling mode set temperature to 17°C and set fan speed to maximum.
- B: Normal operation in cooling mode set temperature to 17°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.

**Note:** All of operation mode are following in annex A (A.1.20) of EN55014-1:2017, annex C (C.12) of EN 61000-3-2:2014 and annex A (A.14) EN 61000-3-3:2013.

#### 3.2 Uncertainty Application

3.2.1 Uncertainty application according to CISPR 16-4-2:2003 for Conducted Emission, Radiated Disturbance and Disturbance Power Testing.

Compliance or Non-Compliance with a disturbance limit was determined in the following manner

*If  $U_{lab}$  is less than or equal to  $U_{cispr}$  in table 1, then:*

- Compliance is deemed to occur if no measured disturbance exceeds the disturbance limit.
- Non-Compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.

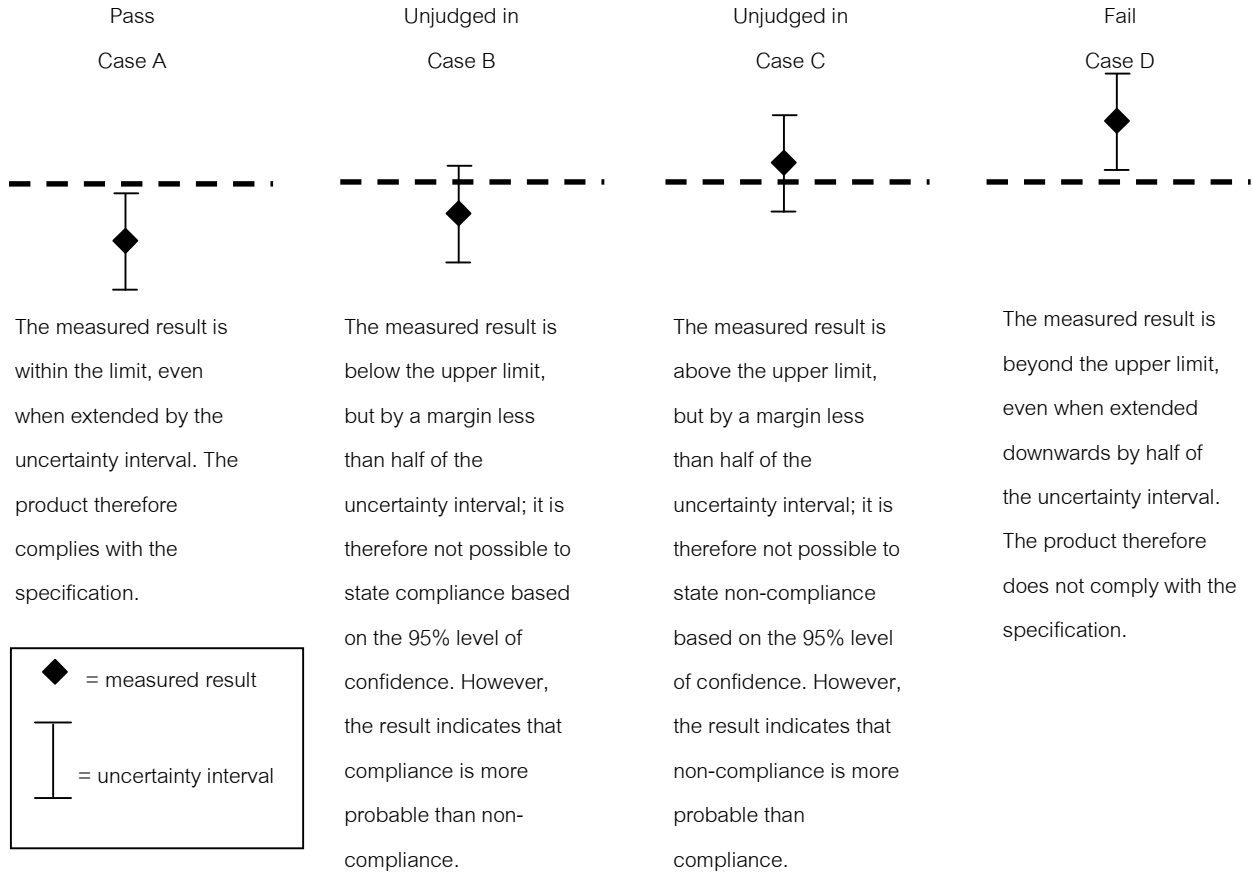
*If  $U_{lab}$  is greater than  $U_{cispr}$  in table 1, then:*

- Compliance is deemed to occur if no measured disturbance, increased by  $(U_{lab} - U_{cispr})$ , exceeds the disturbance limit.
- Non-Compliance is deemed to occur if any measured disturbance, increased by  $(U_{lab} - U_{cispr})$ , exceeds the disturbance limit.

Table 1 – Values of  $U_{cispr}$

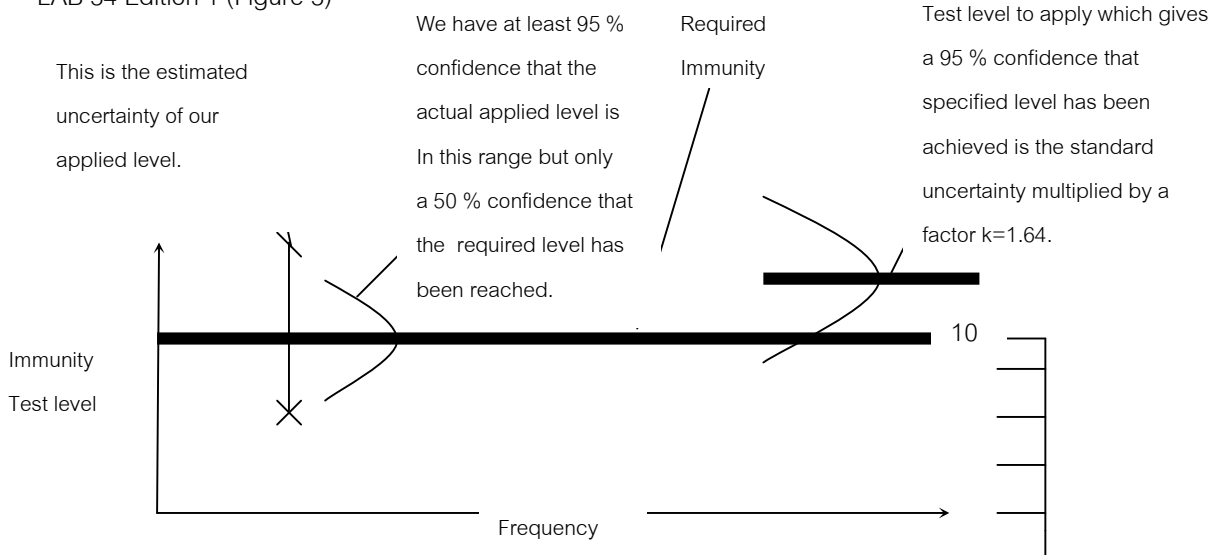
| Abbreviation | Testing system       | Frequency range   | $U_{lab}$ | $U_{cispr}$ | $U_{lab} - U_{cispr}$ |
|--------------|----------------------|-------------------|-----------|-------------|-----------------------|
| CE           | Conducted Emission   | 9 kHz - 150 kHz   | 2.88      | 4.00        | -1.12                 |
| CE           | Conducted Emission   | 150 kHz - 30 MHz  | 3.51      | 3.60        | -0.09                 |
| RE           | Radiated Disturbance | 30 MHz – 1000 MHz | 4.80      | 5.20        | -0.40                 |
| PE           | Disturbance Power    | 30 MHz – 300 MHz  | 2.42      | 4.50        | -2.08                 |

3.2.2 Uncertainty Application according to LAB 34 Edition 1 (Figure 1) for other testing system.



3.2.3 Uncertainty Application for immunity testing.

Uncertainty of each test systems are applied for compliance with related standard according to LAB 34 Edition 1 (Figure 3)



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### 3.3 Equipment Classifications

-

### 3.4 Protection Classifications

Class I.

### 3.5 Performance Criteria of Test Specification

| Function  | Criteria | During The Test   | After The Test   |
|-----------|----------|---|--|
| Fan speed | A        | The fan speed can change.   | The fan speed can change.  |
|           | B        | The fan speed can change delay.   | The fan speed can change.  |
|           | C        | The fan speed cannot change.  | The fan speed cannot change. (before reset)<br>The fan speed can change. (after reset) |
| Display   | A        | The display can show latest status.   | The display can show latest status.  |
|           | B        | The display cannot show latest status (Such as LCD displays dimming, brightening, disappearing or flashing) | The display cannot show latest status but can self recover initial state.              |
|           | C        | The display cannot show latest status (Such as LCD displays dimming, brightening, disappearing or flashing) | The display cannot show latest status but can recover initial state by resetting.      |

### 3.6 EUT Function Monitoring

The specific phenomena are monitored by display and fan speed.

## 4 TEST SYSTEM CONFIGURATION

### 4.1 EUT Exercise Software

-

### 4.2 EUT Modifications

-

**5 EUT DESCRIPTION**
**5.1 EUT Specification**

|                     |                 |
|---------------------|-----------------|
| Rated voltage       | 230 VAC / 50 Hz |
| Input Current/Power | ≥16 A           |
| Clock/Oscillator    | -               |

- The appliance is a split type air conditioner consisting of indoor and outdoor part.
- It provides cooling / heating mode of operation.
- The refrigerant of R32 is used in this air conditioner.
- The main power is supplied by a single-phase, 3-pole power supply cable.
- Outdoor and indoor parts are connected by interconnection cable.
- The indoor part is equipped with an infrared wireless battery powered remote control unit and wired remote controller.

List of models:

**Indoor Unit**

| Type                         | New model Name (-E) | New Model (-TR)  | Fan motor                       | PCB      | Input |
|------------------------------|---------------------|------------------|---------------------------------|----------|-------|
| Slim Duct                    | RAS-M07U2DVG-E      | RAS-M07U2DVG-TR  | ICF-340WD94-3,<br>ICF-340WD94-4 | MCC-1643 | 80 W  |
|                              | RAS-M10U2DVG-E      | RAS-M10U2DVG-TR  |                                 |          |       |
|                              | RAS-M13U2DVG-E      | RAS-M13U2DVG-TR  |                                 |          |       |
|                              | RAS-M16U2DVG-E      | RAS-M16U2DVG-TR  |                                 |          | 100 W |
|                              | RAS-M22U2DVG-E      | RAS-M22U2DVG-TR  |                                 |          | 114 W |
|                              | RAS-M24U2DVG-E      | RAS-M24U2DVG-TR  |                                 |          | 119 W |
| Console                      | RAS-B10U2FVG-E      | RAS-B10U2FVG-TR  | ICF-340-41-1                    | MCC-5068 | 50 W  |
|                              | RAS-B13U2FVG-E      | RAS-B13U2FVG-TR  |                                 |          |       |
|                              | RAS-B18U2FVG-E      | RAS-B18U2FVG-TR  |                                 |          |       |
| Compact<br>4 Way<br>Cassette | RAS-M10U2MUVG-E     | RAS-M10U2MUVG-TR | ICF-340D60-1                    | MCC-1643 | 65 W  |
|                              | RAS-M13U2MUVG-E     | RAS-M13U2MUVG-TR |                                 |          |       |
|                              | RAS-M16U2MUVG-E     | RAS-M16U2MUVG-TR |                                 |          |       |
| Hi-wall                      | RAS-B22PKVSG-E      | RAS-B22PKVSG-TR  | ICF-340-30-6                    | WP-038   | 45 W  |
|                              | RAS-B24PKVSG-E      | RAS-B24PKVSG-TR  | MF-340-30-1RT                   |          | 50 W  |

**Outdoor Unit**

|                     | New model Name (-E) | New Model (-TR)  | PCB      | Input  | Compressor    |
|---------------------|---------------------|------------------|----------|--------|---------------|
| Outdoor<br>IMS 890H | RAS-3M26U2AVG-E     | RAS-3M26U2AVG-TR | MCC-1571 | 3.80kW | DX220A2T-20KD |
|                     | RAS-4M27U2AVG-E     | RAS-4M27U2AVG-TR | &        | 3.90kW | DX220A2T-20KD |
|                     | RAS-5M34U2AVG-E     | RAS-5M34U2AVG-TR | WP-041   | 4.40kW | DX270A2T-20KD |

**Note:** The last suffix letters in model name shows export to Europe and turkey:

-E indicates for export to Europe and -TR indicates for export to turkey

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5.2 EUT Configuration

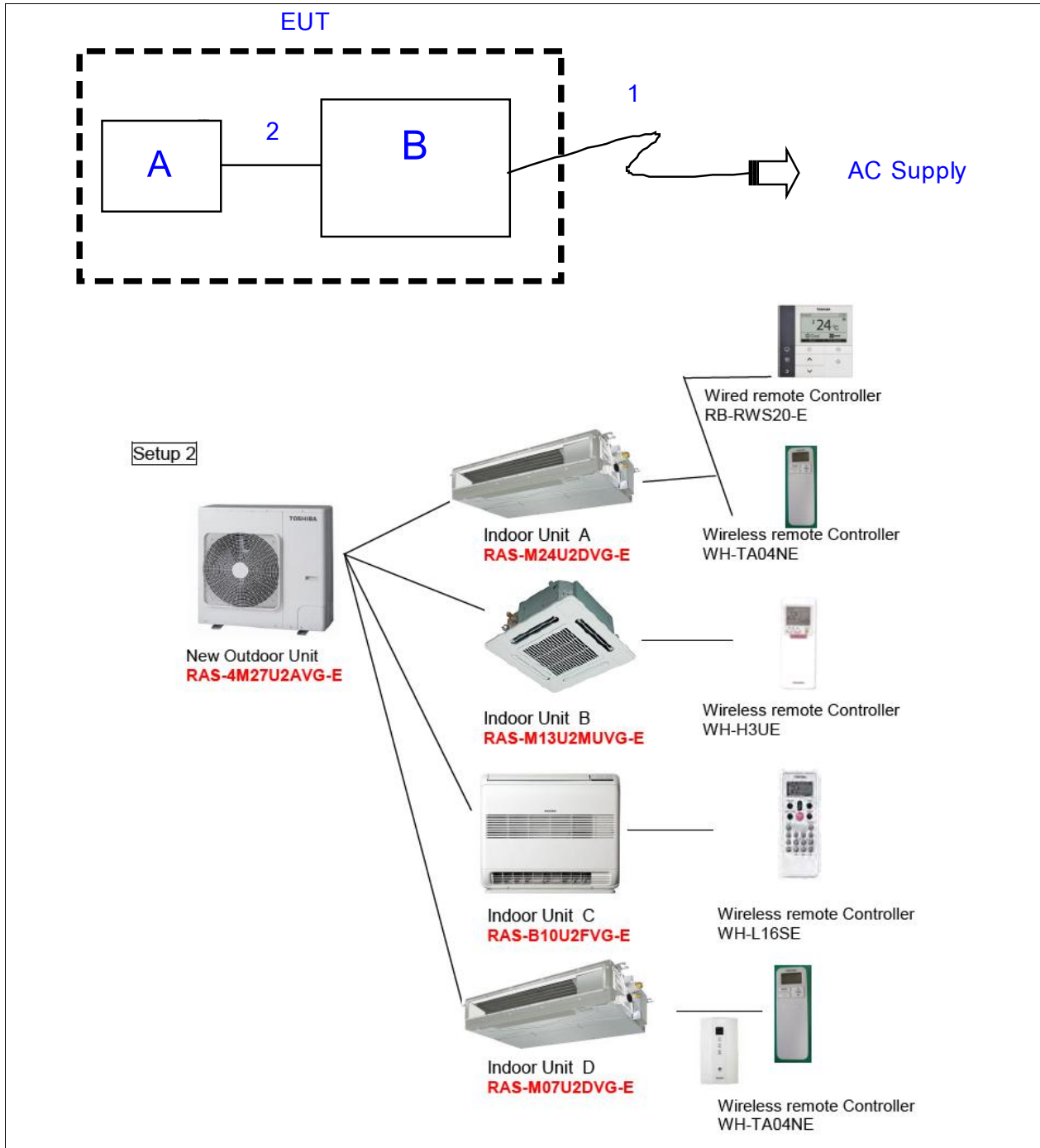


FIGURE 1 - EUT Configuration.

### 5.3 Peripherals Description

| Diagram | Description | Trade Name | Model  |
|---------|-------------|------------|--|
| A       | Indoor      | -          | RAS-M24U2DVG-E+RAS-M13U2MUVG-E<br>+RAS-B10U2FVG-E+RAS-M07U2DVG-E |
| B       | Outdoor     | -          | RAS-4M27U2AVG-E  |

### 5.4 Cables Description

| Ref | Cable Type    | Shield | Length (meters) | Ferrite | Connector | Connection Point 1 | Connection Point 2 |
|-----|---------------|--------|-----------------|---------|-----------|--------------------|--------------------|
| 1   | AC Power line | No     | 1               | No      | AC        | EUT                | AC Supply          |
| 2   | AC Power line | No     | 5               | No      | AC        | Indoor U.          | Outdoor U.         |

## 6 TEST SETUP AND RESULT

### 6.1 Test Item: Conducted Emission

#### 6.1.1 Test Setup

##### Ñ Test Specification

See 1 and 2.1

##### Ñ Test Equipment

| Equipment Name    | Manufacture     | Model | S/N    | Traceability | Due date |
|-------------------|-----------------|-------|--------|--------------|----------|
| EMI Test Receiver | Rohde & Schwarz | ESU26 | 100572 | DKD          | 26-05-19 |
| LISN              | TESEQ           | NNB52 | 36109  | NIMT         | 01-02-19 |

##### Ñ Customer's Equipment

| Equipment Name | Manufacture | Model | S/N | Traceability | Due date |
|----------------|-------------|-------|-----|--------------|----------|
| -              | -           | -     | -   | -            | -        |

##### Ñ Test Uncertainty: ±3.51 dB

##### Ñ Test Location: SR 2

##### Ñ Test Environment

|                                      |    |                           |    |
|--------------------------------------|----|---------------------------|----|
| Cooling Mode Temperature: 30 ±5(°C)  | 27 | Cooling Mode Humidity (%) | 52 |
| Heating Mode Temperature :15 ± 5(°C) | 17 | Heating Mode Humidity (%) | 56 |

##### Ñ Test Setup Description

The disturbance voltage at the main terminals testing measurements were performed with the EMI receiver to observe the emission characteristics and to identify the frequency of emission that had the highest amplitude related to the EUT configuration for the disturbance voltage at the main terminals testing.

The EUT was placed on an 10 cm from ground plane in the Shield room. The power line of the EUT was connected to the LISN, which was located in the Test area. The EMI receiver measured the noise signals from the EUT. The testing method and the EUT setup were performed according to EN55014-1:2017. The EUT configuration for the disturbance voltage at the main terminals testing is shown in FIGURE 2 and 3, respectively.

Test Picture

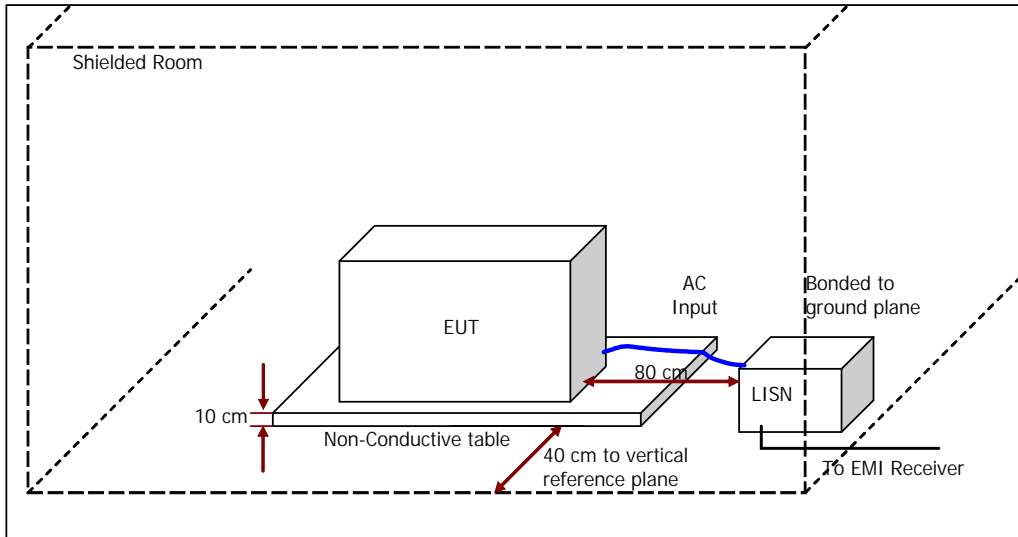


FIGURE 2 - The setup diagram.



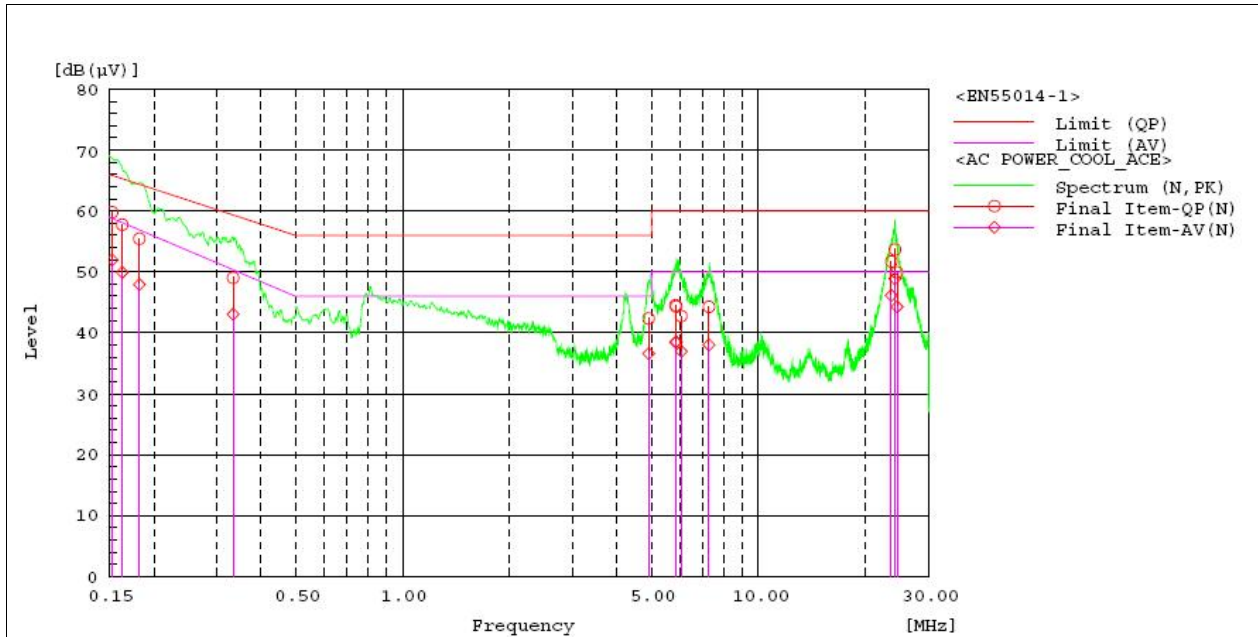
FIGURE 3 - The test setup picture

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● Test Result.

|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Neutron.



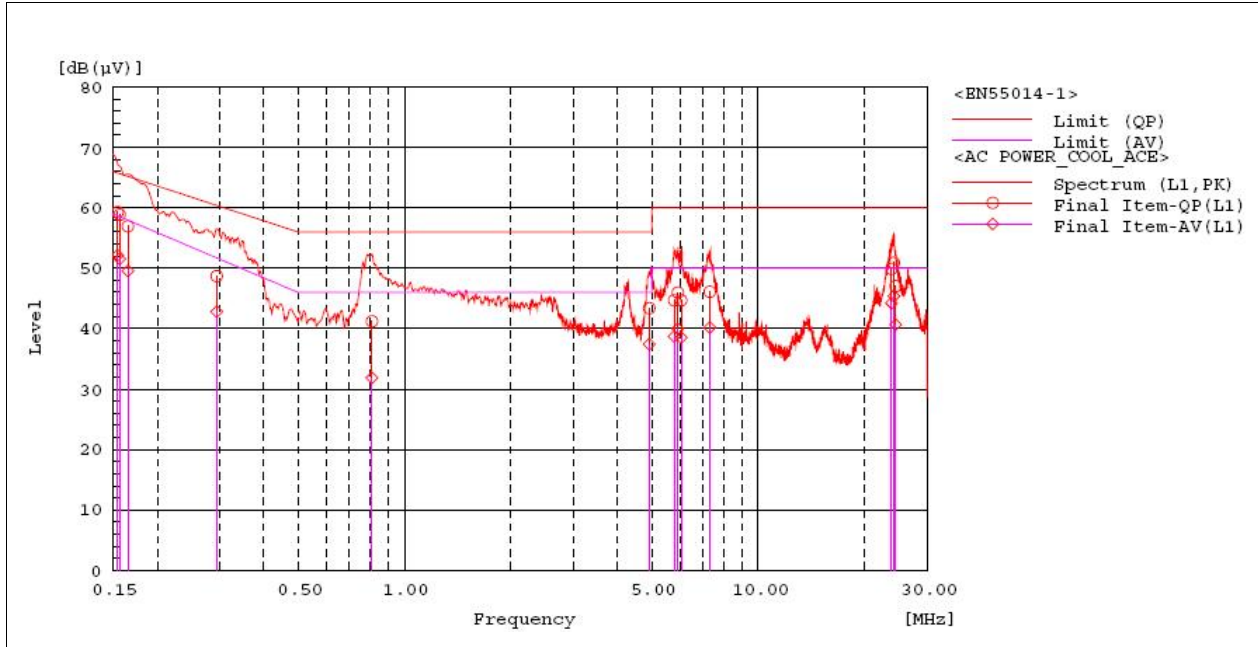
Measurement Result of Quasi-Peak and Average Detector.

--- 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   | 0.15278         | 49.7                 | 41.9                  | 10.1     | 59.8                | 52.0                 | 65.8               | 58.8               | 6.0            | 6.8             |
| 2   | 0.16308         | 47.7                 | 39.8                  | 10.1     | 57.8                | 49.9                 | 65.3               | 58.1               | 7.5            | 8.2             |
| 3   | 0.18224         | 45.4                 | 37.8                  | 10.1     | 55.5                | 47.9                 | 64.4               | 56.9               | 8.9            | 9.0             |
| 4   | 0.33416         | 38.9                 | 32.9                  | 10.1     | 49.0                | 43.0                 | 59.3               | 50.4               | 10.3           | 7.4             |
| 5   | 4.91534         | 32.2                 | 26.4                  | 10.2     | 42.4                | 36.6                 | 56.0               | 46.0               | 13.6           | 9.4             |
| 6   | 5.8438          | 34.3                 | 28.2                  | 10.2     | 44.5                | 38.4                 | 60.0               | 50.0               | 15.5           | 11.6            |
| 7   | 5.8787          | 34.1                 | 28.3                  | 10.2     | 44.3                | 38.5                 | 60.0               | 50.0               | 15.7           | 11.5            |
| 8   | 6.06244         | 32.5                 | 26.7                  | 10.2     | 42.7                | 36.9                 | 60.0               | 50.0               | 17.3           | 13.1            |
| 9   | 7.26253         | 34.0                 | 27.7                  | 10.3     | 44.3                | 38.0                 | 60.0               | 50.0               | 15.7           | 12.0            |
| 10  | 23.59524        | 40.9                 | 35.3                  | 10.8     | 51.7                | 46.1                 | 60.0               | 50.0               | 8.3            | 3.9             |
| 11  | 24.18044        | 42.9                 | 38.1                  | 10.8     | 53.7                | 48.9                 | 60.0               | 50.0               | 6.3            | 1.1             |
| 12  | 24.50539        | 39.1                 | 33.5                  | 10.8     | 49.9                | 44.3                 | 60.0               | 50.0               | 10.1           | 5.7             |

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Test Result for Line1



Measurement Result of Quasi-Peak and Average Detector.

--- L1 Phase ---

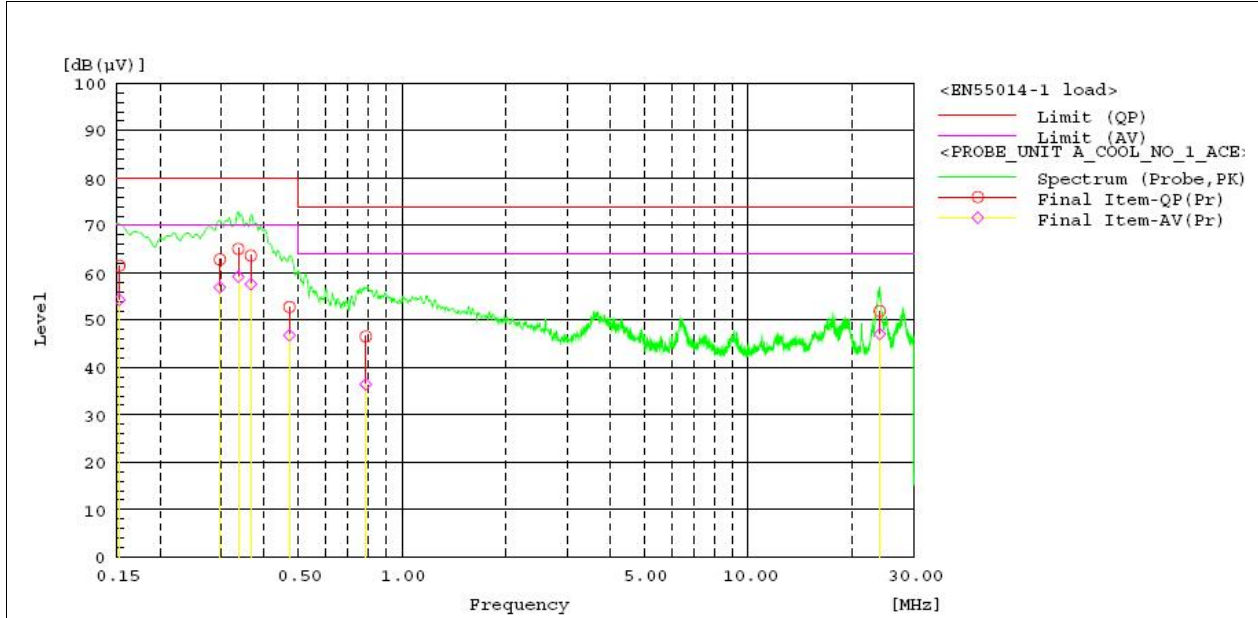
| No. | Frequency [MHz] | Reading QP [dB (µV)] | Reading CAV [dB (µV)] | c.f [dB] | Result QP [dB (µV)] | Result CAV [dB (µV)] | Limit QP [dB (µV)] | Limit AV [dB (µV)] | Margin QP [dB] | Margin CAV [dB] |
|-----|-----------------|----------------------|-----------------------|----------|---------------------|----------------------|--------------------|--------------------|----------------|-----------------|
| 1   | 0.15458         | 49.2                 | 42.1                  | 10.1     | 59.3                | 52.2                 | 65.8               | 58.7               | 6.5            | 6.5             |
| 2   | 0.15675         | 48.8                 | 41.4                  | 10.1     | 58.9                | 51.5                 | 65.6               | 58.5               | 6.7            | 7.0             |
| 3   | 0.16525         | 46.8                 | 39.4                  | 10.1     | 56.9                | 49.5                 | 65.2               | 58.0               | 8.3            | 8.5             |
| 4   | 0.29456         | 38.6                 | 32.7                  | 10.1     | 48.7                | 42.8                 | 60.4               | 51.7               | 11.7           | 8.9             |
| 5   | 0.80974         | 31.1                 | 21.8                  | 10.1     | 41.2                | 31.9                 | 56.0               | 46.0               | 14.8           | 14.1            |
| 6   | 4.91886         | 33.2                 | 27.2                  | 10.2     | 43.4                | 37.4                 | 56.0               | 46.0               | 12.6           | 8.6             |
| 7   | 5.7862          | 34.5                 | 28.5                  | 10.2     | 44.7                | 38.7                 | 60.0               | 50.0               | 15.3           | 11.3            |
| 8   | 5.92893         | 35.8                 | 29.8                  | 10.2     | 46.0                | 40.0                 | 60.0               | 50.0               | 14.0           | 10.0            |
| 9   | 6.0514          | 34.5                 | 28.3                  | 10.2     | 44.7                | 38.5                 | 60.0               | 50.0               | 15.3           | 11.5            |
| 10  | 7.29349         | 35.8                 | 29.9                  | 10.3     | 46.1                | 40.2                 | 60.0               | 50.0               | 13.9           | 9.8             |
| 11  | 23.8063         | 39.2                 | 33.5                  | 10.7     | 49.9                | 44.2                 | 60.0               | 50.0               | 10.1           | 5.8             |
| 12  | 24.1798         | 40.2                 | 34.7                  | 10.7     | 50.9                | 45.4                 | 60.0               | 50.0               | 9.1            | 4.6             |
| 13  | 24.47174        | 36.3                 | 30.0                  | 10.7     | 47.0                | 40.7                 | 60.0               | 50.0               | 13.0           | 9.3             |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit A No. 1



Measurement Result of Quasi-Peak and Average Detector.

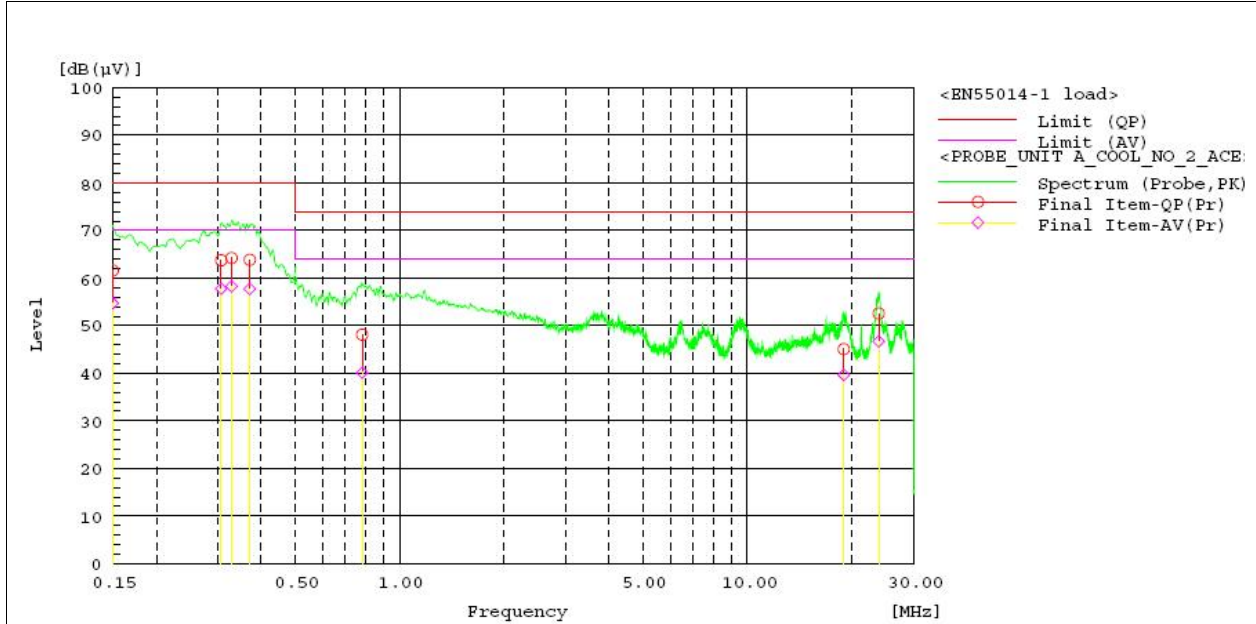
--- Probe Phase ---

| 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   | 0.15278         | 31.2                 | 24.0                  | 30.3     | 61.5                | 54.3                 | 80.0               | 70.0               | 18.5           | 15.7            |
| 2   | 0.29793         | 32.5                 | 26.6                  | 30.3     | 62.8                | 56.9                 | 80.0               | 70.0               | 17.2           | 13.1            |
| 3   | 0.33696         | 34.8                 | 28.9                  | 30.3     | 65.1                | 59.2                 | 80.0               | 70.0               | 14.9           | 10.8            |
| 4   | 0.36636         | 33.4                 | 27.3                  | 30.3     | 63.7                | 57.6                 | 80.0               | 70.0               | 16.3           | 12.4            |
| 5   | 0.47343         | 22.5                 | 16.5                  | 30.3     | 52.8                | 46.8                 | 80.0               | 70.0               | 27.2           | 23.2            |
| 6   | 0.78723         | 16.3                 | 6.2                   | 30.3     | 46.6                | 36.5                 | 74.0               | 64.0               | 27.4           | 27.5            |
| 7   | 23.96965        | 21.6                 | 16.6                  | 30.4     | 52.0                | 47.0                 | 74.0               | 64.0               | 22.0           | 17.0            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit A No. 2



Measurement Result of Quasi-Peak and Average Detector.

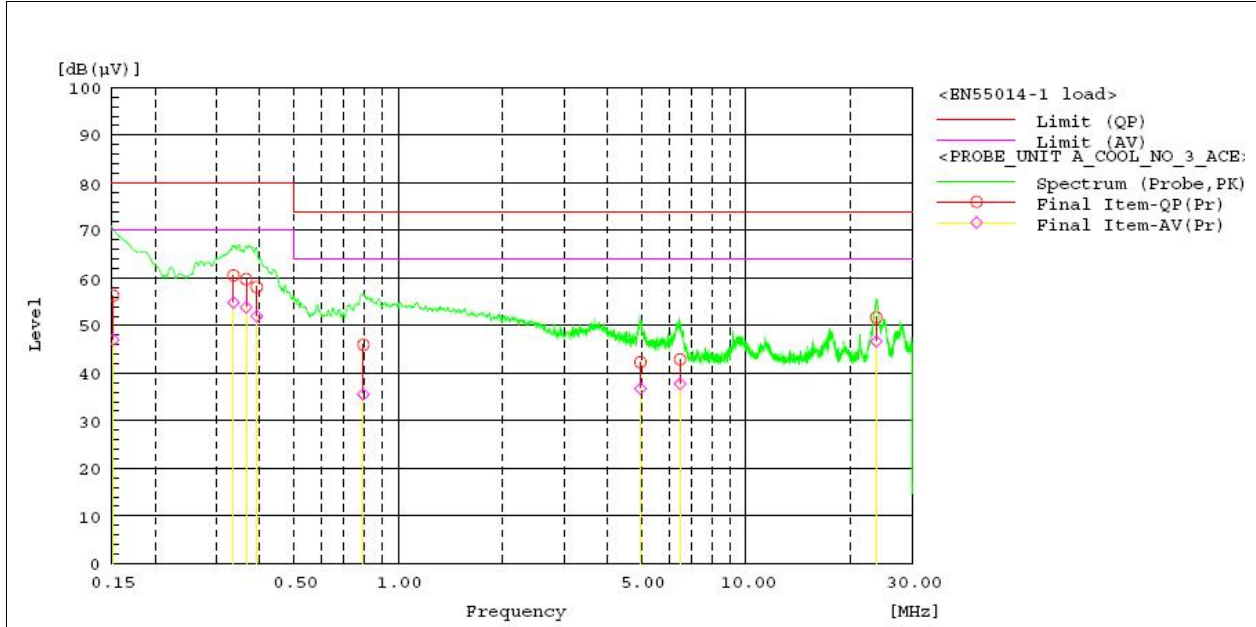
| --- Probe Phase --- |           |           |           |      |           |           |           |           |        |        |  |
|---------------------|-----------|-----------|-----------|------|-----------|-----------|-----------|-----------|--------|--------|--|
| No.                 | Frequency | Reading   | Reading   | c.f  | Result    | Result    | Limit     | Limit     | Margin | Margin |  |
|                     | [MHz]     | QP        | CAV       |      | QP        | CAV       | QP        | AV        | QP     | CAV    |  |
|                     |           | [dB (µV)] | [dB (µV)] | [dB] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB]   | [dB]   |  |
| 1                   | 0.150     | 31.2      | 24.3      | 30.4 | 61.6      | 54.7      | 80.0      | 70.0      | 18.4   | 15.3   |  |
| 2                   | 0.30724   | 33.4      | 27.5      | 30.3 | 63.7      | 57.8      | 80.0      | 70.0      | 16.3   | 12.2   |  |
| 3                   | 0.32911   | 33.9      | 28.0      | 30.3 | 64.2      | 58.3      | 80.0      | 70.0      | 15.8   | 11.7   |  |
| 4                   | 0.37146   | 33.6      | 27.4      | 30.3 | 63.9      | 57.7      | 80.0      | 70.0      | 16.1   | 12.3   |  |
| 5                   | 0.78157   | 17.8      | 9.8       | 30.3 | 48.1      | 40.1      | 74.0      | 64.0      | 25.9   | 23.9   |  |
| 6                   | 18.91667  | 14.7      | 9.3       | 30.4 | 45.1      | 39.7      | 74.0      | 64.0      | 28.9   | 24.3   |  |
| 7                   | 23.85544  | 22.2      | 16.3      | 30.4 | 52.6      | 46.7      | 74.0      | 64.0      | 21.4   | 17.3   |  |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit A No. 3



Measurement Result of Quasi-Peak and Average Detector.

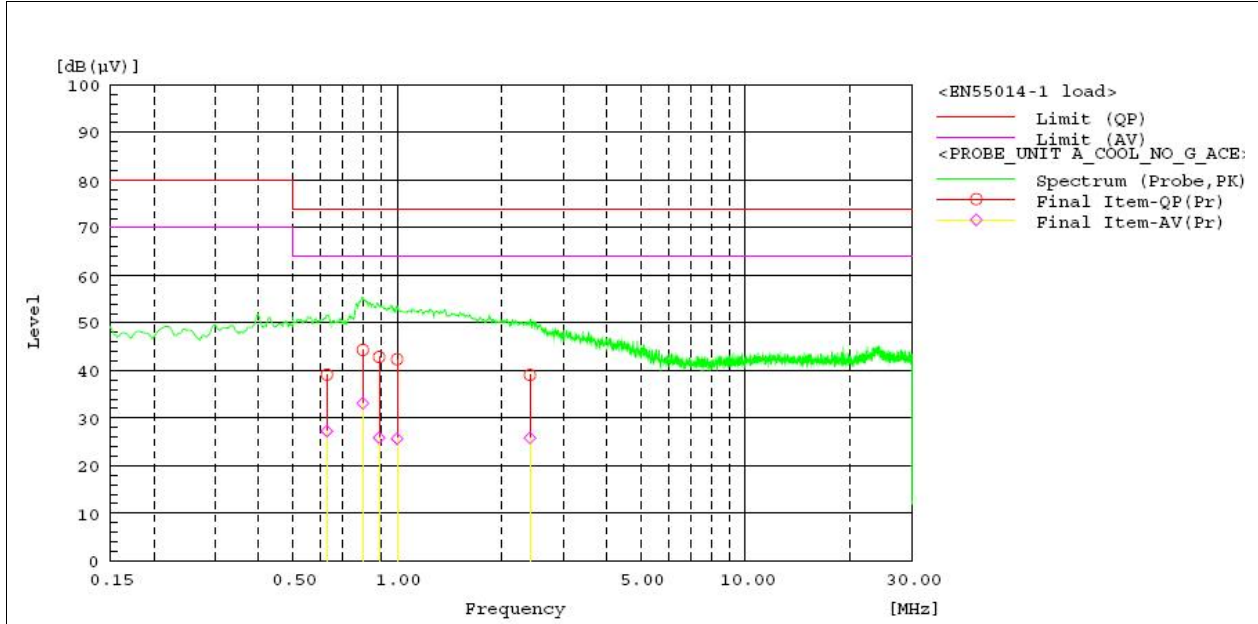
--- Probe Phase ---

| 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   | 0.15165         | 26.0                 | 16.8                  | 30.3     | 56.3                | 47.1                 | 80.0               | 70.0               | 23.7           | 22.9            |
| 2   | 0.33666         | 30.3                 | 24.6                  | 30.3     | 60.6                | 54.9                 | 80.0               | 70.0               | 19.4           | 15.1            |
| 3   | 0.36576         | 29.4                 | 23.6                  | 30.3     | 59.7                | 53.9                 | 80.0               | 70.0               | 20.3           | 16.1            |
| 4   | 0.39251         | 27.8                 | 21.7                  | 30.3     | 58.1                | 52.0                 | 80.0               | 70.0               | 21.9           | 18.0            |
| 5   | 0.79422         | 15.7                 | 5.3                   | 30.3     | 46.0                | 35.6                 | 74.0               | 64.0               | 28.0           | 28.4            |
| 6   | 4.96862         | 12.0                 | 6.4                   | 30.3     | 42.3                | 36.7                 | 74.0               | 64.0               | 31.7           | 27.3            |
| 7   | 6.46769         | 12.6                 | 7.5                   | 30.3     | 42.9                | 37.8                 | 74.0               | 64.0               | 31.1           | 26.2            |
| 8   | 23.67758        | 21.3                 | 16.3                  | 30.4     | 51.7                | 46.7                 | 74.0               | 64.0               | 22.3           | 17.3            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit A No. G



Measurement Result of Quasi-Peak and Average Detector.

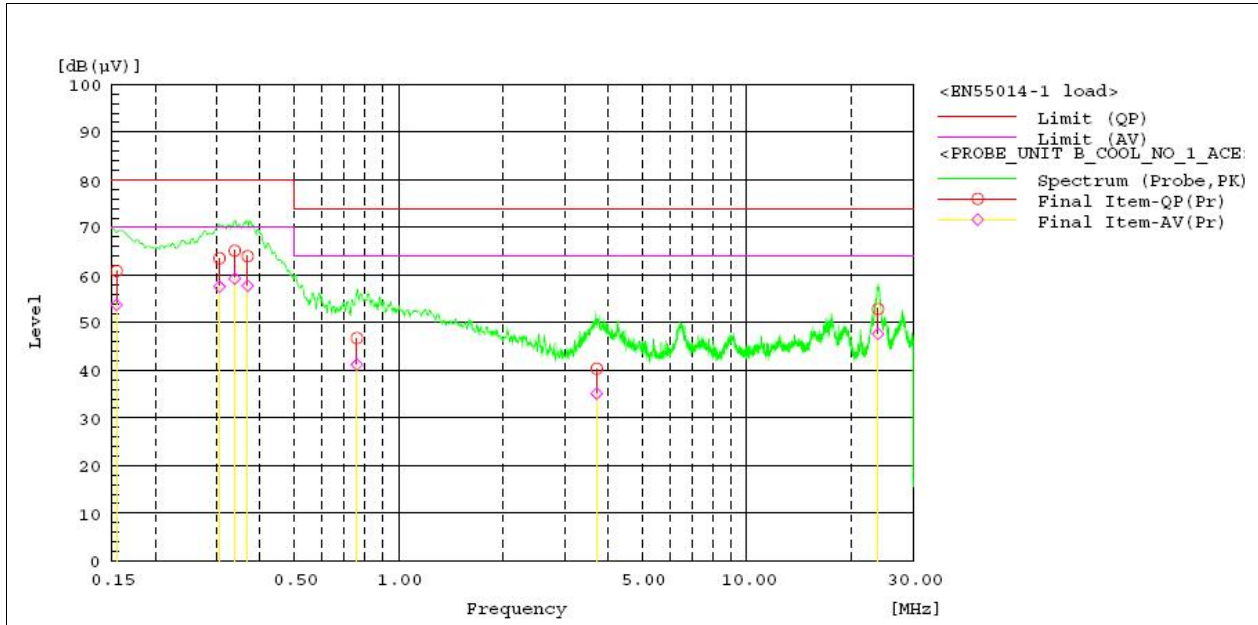
--- Probe Phase ---

| 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   | 0.62813         | 8.8                  | -3.0                  | 30.3     | 39.1                | 27.3                 | 74.0               | 64.0               | 34.9           | 36.7            |
| 2   | 0.79704         | 14.0                 | 2.8                   | 30.3     | 44.3                | 33.1                 | 74.0               | 64.0               | 29.7           | 30.9            |
| 3   | 0.88691         | 12.5                 | -4.4                  | 30.3     | 42.8                | 25.9                 | 74.0               | 64.0               | 31.2           | 38.1            |
| 4   | 1.00021         | 12.0                 | -4.6                  | 30.3     | 42.3                | 25.7                 | 74.0               | 64.0               | 31.7           | 38.3            |
| 5   | 2.40484         | 8.8                  | -4.5                  | 30.3     | 39.1                | 25.8                 | 74.0               | 64.0               | 34.9           | 38.2            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit B No. 1



Measurement Result of Quasi-Peak and Average Detector.

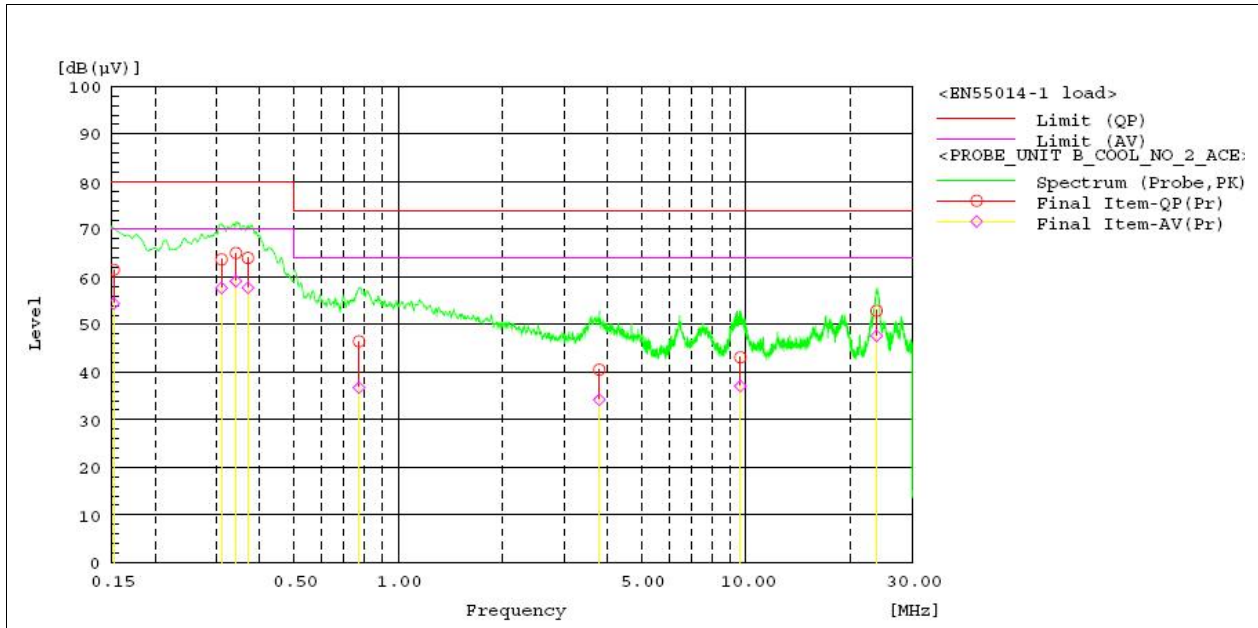
--- Probe Phase ---

| 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   | 0.15505         | 30.6                 | 23.4                  | 30.3     | 60.9                | 53.7                 | 80.0               | 70.0               | 19.1           | 16.3            |
| 2   | 0.30634         | 33.2                 | 27.3                  | 30.3     | 63.5                | 57.6                 | 80.0               | 70.0               | 16.5           | 12.4            |
| 3   | 0.33886         | 34.8                 | 29.0                  | 30.3     | 65.1                | 59.3                 | 80.0               | 70.0               | 14.9           | 10.7            |
| 4   | 0.36872         | 33.7                 | 27.5                  | 30.3     | 64.0                | 57.8                 | 80.0               | 70.0               | 16.0           | 12.2            |
| 5   | 0.75978         | 16.5                 | 10.9                  | 30.3     | 46.8                | 41.2                 | 74.0               | 64.0               | 27.2           | 22.8            |
| 6   | 3.70683         | 10.0                 | 4.8                   | 30.3     | 40.3                | 35.1                 | 74.0               | 64.0               | 33.7           | 28.9            |
| 7   | 23.78998        | 22.5                 | 17.3                  | 30.4     | 52.9                | 47.7                 | 74.0               | 64.0               | 21.1           | 16.3            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit B No. 2



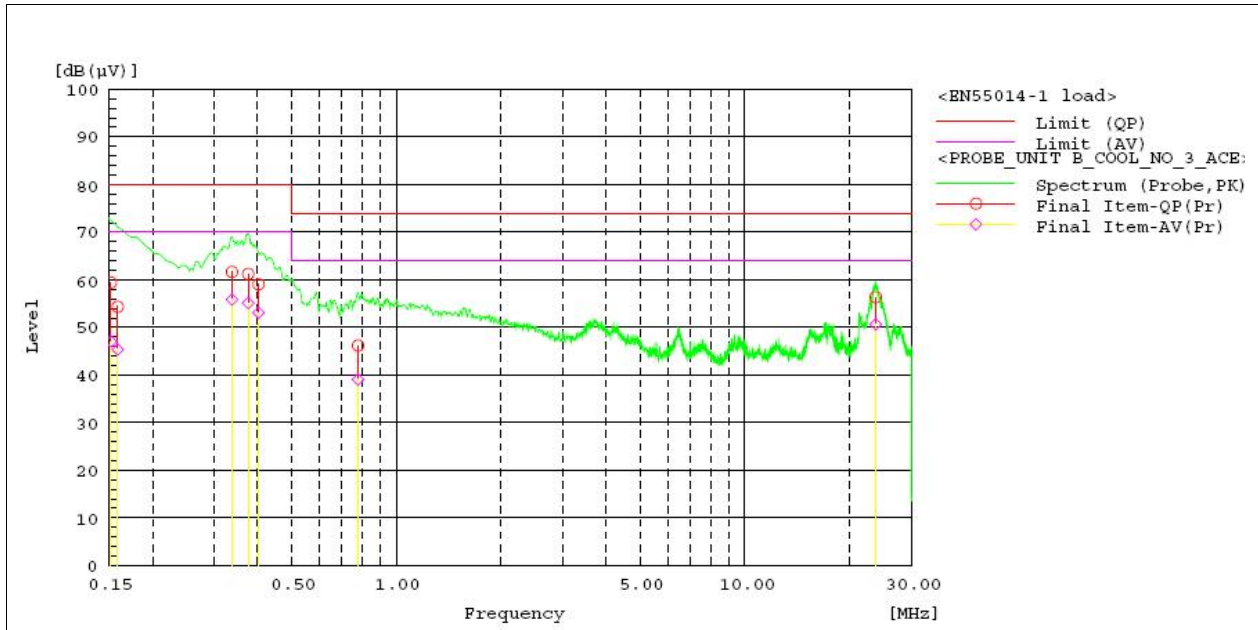
Measurement Result of Quasi-Peak and Average Detector.

| --- 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         | 31.2                 | 24.1                  | 30.3     | 61.5                | 54.4                 | 80.0               | 70.0               | 18.5           | 15.6            |
| 2                   | 0.31094         | 33.4                 | 27.4                  | 30.3     | 63.7                | 57.7                 | 80.0               | 70.0               | 16.3           | 12.3            |
| 3                   | 0.342           | 34.7                 | 28.8                  | 30.3     | 65.0                | 59.1                 | 80.0               | 70.0               | 15.0           | 10.9            |
| 4                   | 0.36985         | 33.7                 | 27.4                  | 30.3     | 64.0                | 57.7                 | 80.0               | 70.0               | 16.0           | 12.3            |
| 5                   | 0.7728          | 16.1                 | 6.5                   | 30.3     | 46.4                | 36.8                 | 74.0               | 64.0               | 27.6           | 27.2            |
| 6                   | 3.79014         | 10.2                 | 3.9                   | 30.3     | 40.5                | 34.2                 | 74.0               | 64.0               | 33.5           | 29.8            |
| 7                   | 9.636           | 12.8                 | 6.8                   | 30.3     | 43.1                | 37.1                 | 74.0               | 64.0               | 30.9           | 26.9            |
| 8                   | 23.74318        | 22.5                 | 17.2                  | 30.4     | 52.9                | 47.6                 | 74.0               | 64.0               | 21.1           | 16.4            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit B No. 3



Measurement Result of Quasi-Peak and Average Detector.

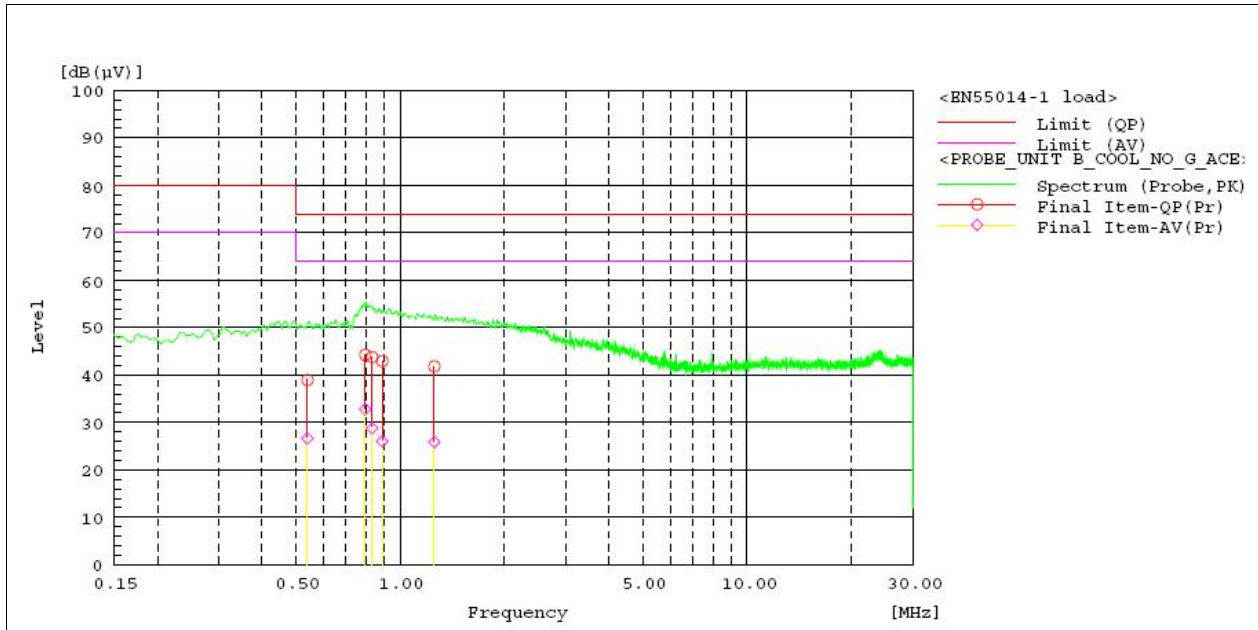
| --- Probe Phase --- |                 |                      |                       |          |                     |                      |                    |                    |                |                 |
|---------------------|-----------------|----------------------|-----------------------|----------|---------------------|----------------------|--------------------|--------------------|----------------|-----------------|
| 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                   | 0.1519          | 29.1                 | 16.8                  | 30.3     | 59.4                | 47.1                 | 80.0               | 70.0               | 20.6           | 22.9            |
| 2                   | 0.15902         | 24.0                 | 15.1                  | 30.3     | 54.3                | 45.4                 | 80.0               | 70.0               | 25.7           | 24.6            |
| 3                   | 0.33823         | 31.4                 | 25.6                  | 30.3     | 61.7                | 55.9                 | 80.0               | 70.0               | 18.3           | 14.1            |
| 4                   | 0.37633         | 30.9                 | 24.8                  | 30.3     | 61.2                | 55.1                 | 80.0               | 70.0               | 18.8           | 14.9            |
| 5                   | 0.40321         | 28.8                 | 22.8                  | 30.3     | 59.1                | 53.1                 | 80.0               | 70.0               | 20.9           | 16.9            |
| 6                   | 0.77736         | 15.9                 | 8.8                   | 30.3     | 46.2                | 39.1                 | 74.0               | 64.0               | 27.8           | 24.9            |
| 7                   | 23.7423         | 26.0                 | 20.3                  | 30.4     | 56.4                | 50.7                 | 74.0               | 64.0               | 17.6           | 13.3            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit B No. G



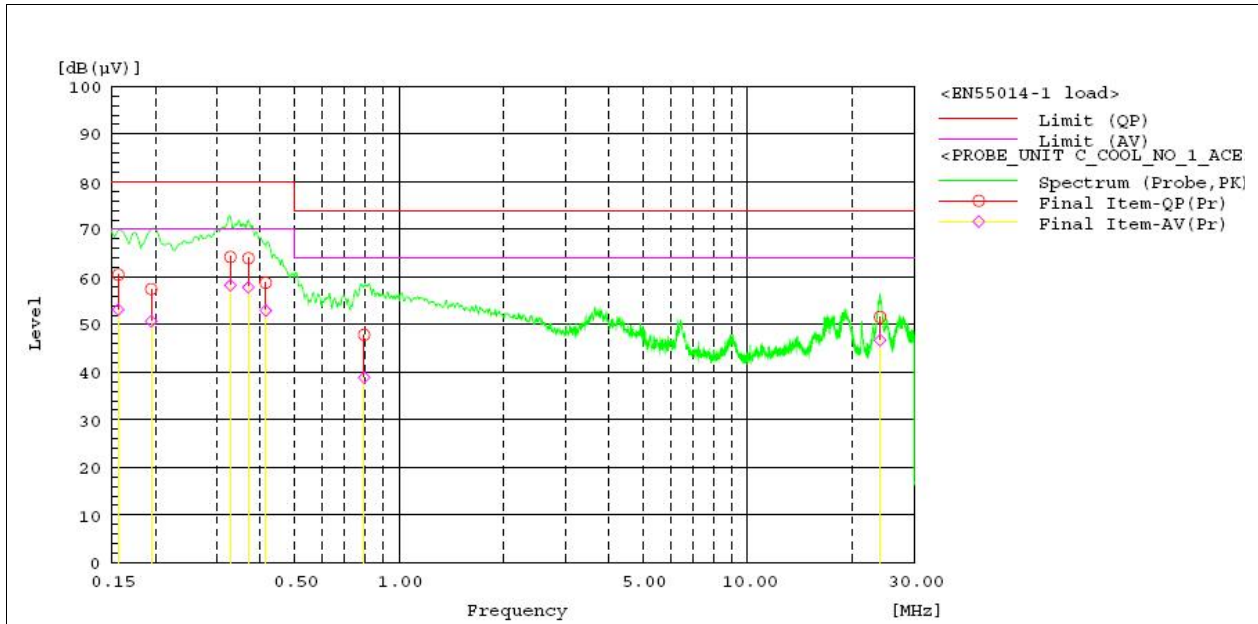
Measurement Result of Quasi-Peak and Average Detector.

| --- 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                   | 0.54121         | 8.7                  | -3.7                  | 30.3     | 39.0                | 26.6                 | 74.0               | 64.0               | 35.0           | 37.4            |
| 2                   | 0.79404         | 14.0                 | 2.5                   | 30.3     | 44.3                | 32.8                 | 74.0               | 64.0               | 29.7           | 31.2            |
| 3                   | 0.83188         | 13.5                 | -1.5                  | 30.3     | 43.8                | 28.8                 | 74.0               | 64.0               | 30.2           | 35.2            |
| 4                   | 0.88832         | 12.7                 | -4.2                  | 30.3     | 43.0                | 26.1                 | 74.0               | 64.0               | 31.0           | 37.9            |
| 5                   | 1.25553         | 11.6                 | -4.4                  | 30.3     | 41.9                | 25.9                 | 74.0               | 64.0               | 32.1           | 38.1            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit C No. 1



Measurement Result of Quasi-Peak and Average Detector.

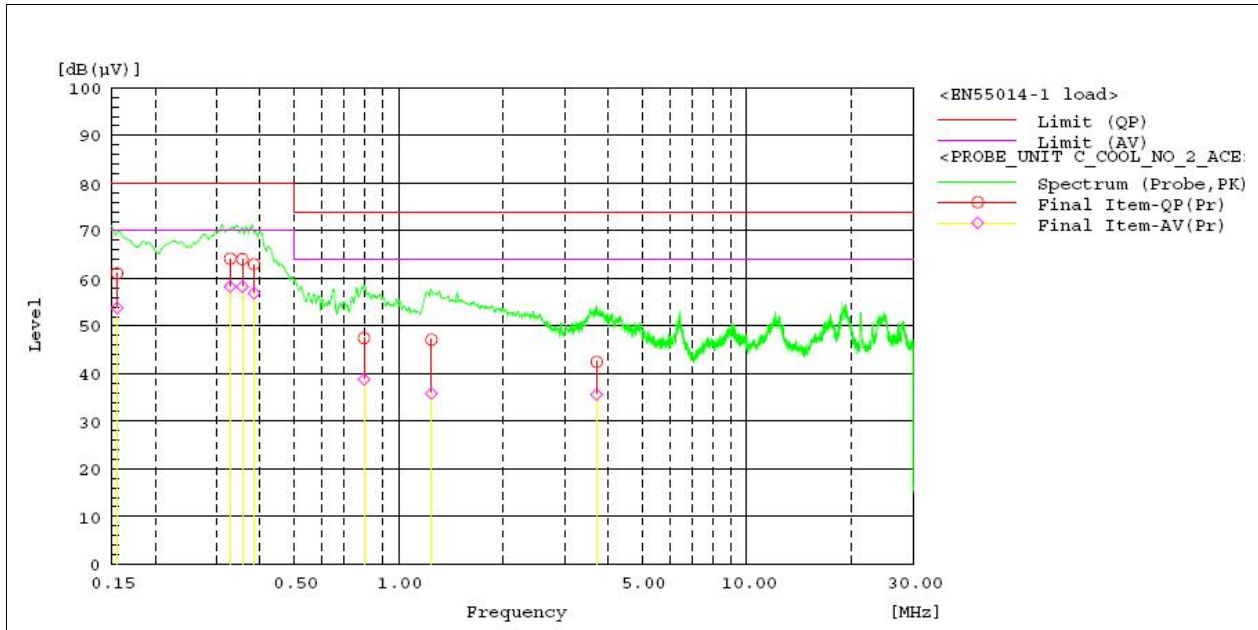
--- Probe Phase ---

| 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   | 0.15675         | 30.2                 | 22.9                  | 30.3      | 60.5                | 53.2                 | 80.0               | 70.0               | 19.5           | 16.8            |
| 2   | 0.19487         | 27.2                 | 20.4                  | 30.3      | 57.5                | 50.7                 | 80.0               | 70.0               | 22.5           | 19.3            |
| 3   | 0.3285          | 33.9                 | 28.0                  | 30.3      | 64.2                | 58.3                 | 80.0               | 70.0               | 15.8           | 11.7            |
| 4   | 0.37032         | 33.6                 | 27.5                  | 30.3      | 63.9                | 57.8                 | 80.0               | 70.0               | 16.1           | 12.2            |
| 5   | 0.41508         | 28.5                 | 22.6                  | 30.3      | 58.8                | 52.9                 | 80.0               | 70.0               | 21.2           | 17.1            |
| 6   | 0.79465         | 17.5                 | 8.6                   | 30.3      | 47.8                | 38.9                 | 74.0               | 64.0               | 26.2           | 25.1            |
| 7   | 23.95397        | 21.2                 | 16.3                  | 30.4      | 51.6                | 46.7                 | 74.0               | 64.0               | 22.4           | 17.3            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit C No. 2



Measurement Result of Quasi-Peak and Average Detector.

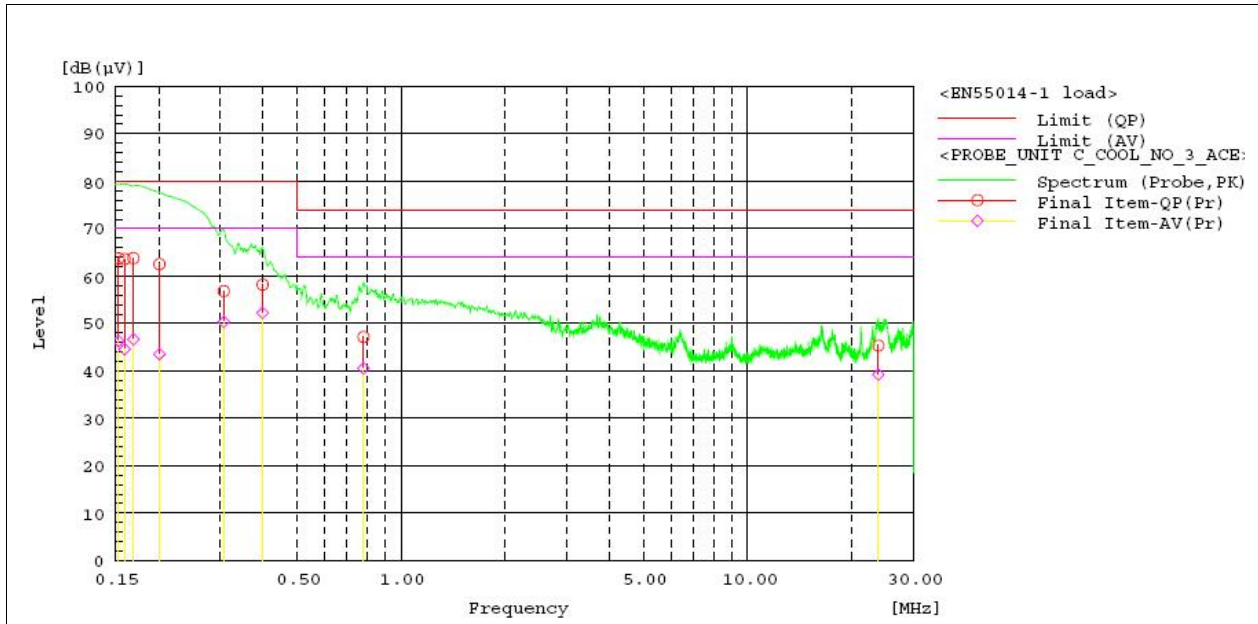
| --- Probe Phase --- |                 |                      |                       |          |                     |                      |                    |                    |                |                 |
|---------------------|-----------------|----------------------|-----------------------|----------|---------------------|----------------------|--------------------|--------------------|----------------|-----------------|
| 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                   | 0.15562         | 30.8                 | 23.5                  | 30.3     | 61.1                | 53.8                 | 80.0               | 70.0               | 18.9           | 16.2            |
| 2                   | 0.3285          | 33.9                 | 28.0                  | 30.3     | 64.2                | 58.3                 | 80.0               | 70.0               | 15.8           | 11.7            |
| 3                   | 0.35607         | 33.8                 | 28.0                  | 30.3     | 64.1                | 58.3                 | 80.0               | 70.0               | 15.9           | 11.7            |
| 4                   | 0.38458         | 32.7                 | 26.6                  | 30.3     | 63.0                | 56.9                 | 80.0               | 70.0               | 17.0           | 13.1            |
| 5                   | 0.7963          | 17.2                 | 8.5                   | 30.3     | 47.5                | 38.8                 | 74.0               | 64.0               | 26.5           | 25.2            |
| 6                   | 1.24303         | 16.8                 | 5.5                   | 30.3     | 47.1                | 35.8                 | 74.0               | 64.0               | 26.9           | 28.2            |
| 7                   | 3.70898         | 12.2                 | 5.3                   | 30.3     | 42.5                | 35.6                 | 74.0               | 64.0               | 31.5           | 28.4            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit C No. 3



Measurement Result of Quasi-Peak and Average Detector.

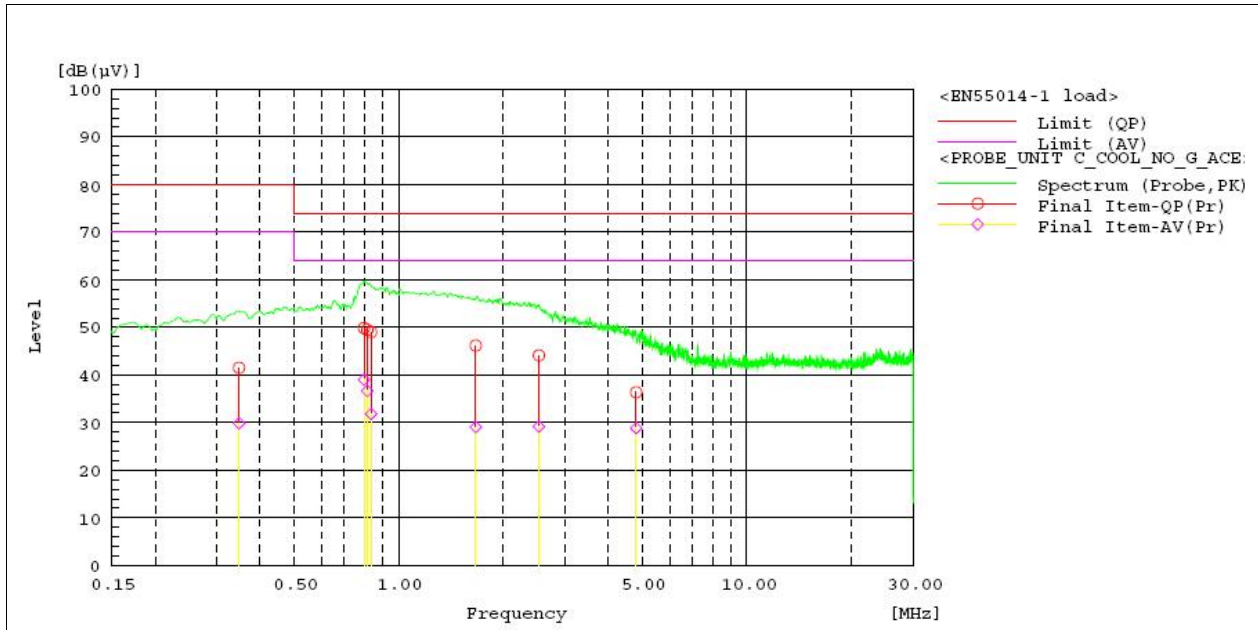
--- Probe Phase ---

| 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   | 0.15335         | 33.4                 | 16.0                  | 30.3     | 63.7                | 46.3                 | 80.0               | 70.0               | 16.3           | 23.7            |
| 2   | 0.15958         | 33.3                 | 14.2                  | 30.3     | 63.6                | 44.5                 | 80.0               | 70.0               | 16.4           | 25.5            |
| 3   | 0.16921         | 33.5                 | 16.4                  | 30.3     | 63.8                | 46.7                 | 80.0               | 70.0               | 16.2           | 23.3            |
| 4   | 0.20103         | 32.2                 | 13.2                  | 30.3     | 62.5                | 43.5                 | 80.0               | 70.0               | 17.5           | 26.5            |
| 5   | 0.3081          | 26.6                 | 20.0                  | 30.3     | 56.9                | 50.3                 | 80.0               | 70.0               | 23.1           | 19.7            |
| 6   | 0.39922         | 27.9                 | 21.9                  | 30.3     | 58.2                | 52.2                 | 80.0               | 70.0               | 21.8           | 17.8            |
| 7   | 0.78053         | 16.8                 | 10.3                  | 30.3     | 47.1                | 40.6                 | 74.0               | 64.0               | 26.9           | 23.4            |
| 8   | 23.8087         | 14.9                 | 8.8                   | 30.4     | 45.3                | 39.2                 | 74.0               | 64.0               | 28.7           | 24.8            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit C No. G



Measurement Result of Quasi-Peak and Average Detector.

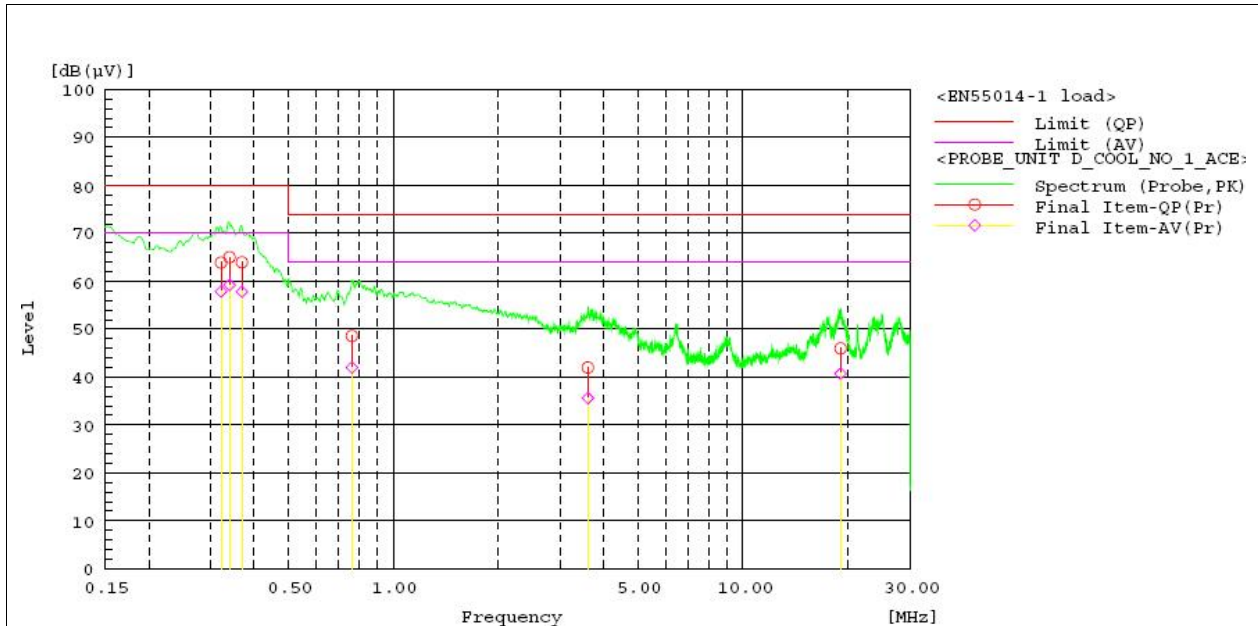
--- Probe Phase ---

| 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   | 0.34832         | 11.2                 | -0.4                  | 30.3     | 41.5                | 29.9                 | 80.0               | 70.0               | 38.5           | 40.1            |
| 2   | 0.79538         | 19.6                 | 8.7                   | 30.3     | 49.9                | 39.0                 | 74.0               | 64.0               | 24.1           | 25.0            |
| 3   | 0.81394         | 19.2                 | 6.4                   | 30.3     | 49.5                | 36.7                 | 74.0               | 64.0               | 24.5           | 27.3            |
| 4   | 0.83417         | 18.7                 | 1.6                   | 30.3     | 49.0                | 31.9                 | 74.0               | 64.0               | 25.0           | 32.1            |
| 5   | 1.667           | 15.9                 | -1.2                  | 30.3     | 46.2                | 29.1                 | 74.0               | 64.0               | 27.8           | 34.9            |
| 6   | 2.52849         | 13.8                 | -1.1                  | 30.3     | 44.1                | 29.2                 | 74.0               | 64.0               | 29.9           | 34.8            |
| 7   | 4.81582         | 6.1                  | -1.4                  | 30.3     | 36.4                | 28.9                 | 74.0               | 64.0               | 37.6           | 35.1            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit D No. 1



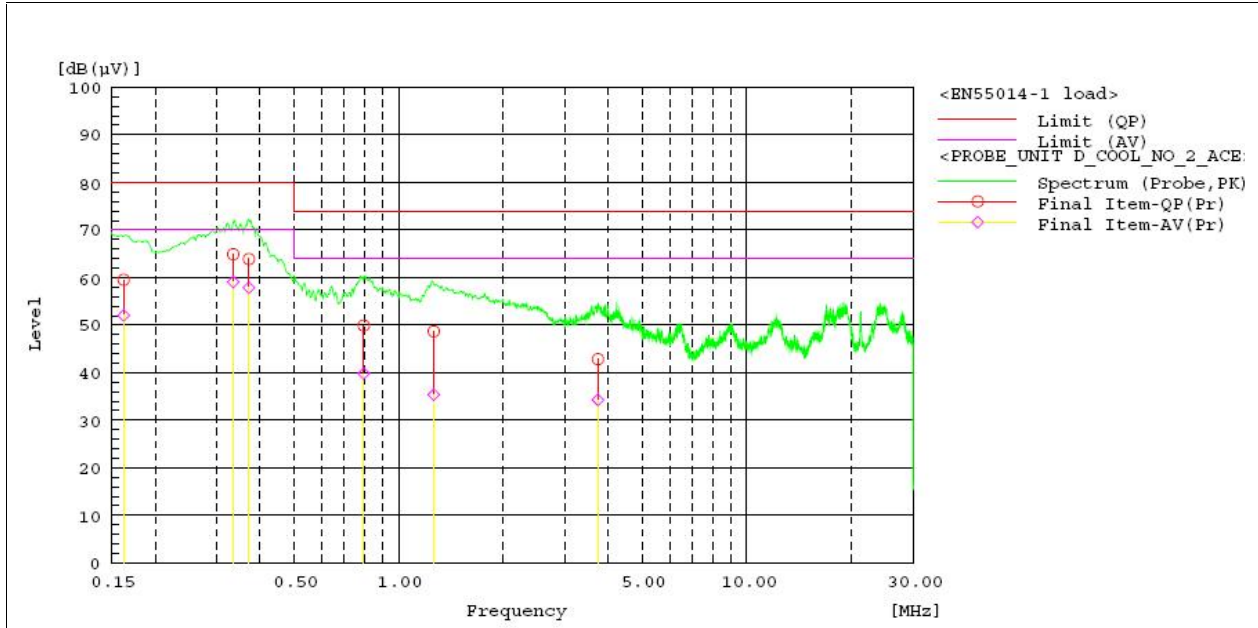
Measurement Result of Quasi-Peak and Average Detector.

| --- Probe Phase --- |           |           |           |      |           |           |           |           |        |        |
|---------------------|-----------|-----------|-----------|------|-----------|-----------|-----------|-----------|--------|--------|
| No.                 | Frequency | Reading   | Reading   | c.f  | Result    | Result    | Limit     | Limit     | Margin | Margin |
|                     | [MHz]     | QP        | CAV       |      | QP        | CAV       | QP        | AV        | QP     | CAV    |
|                     |           | [dB (µV)] | [dB (µV)] | [dB] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB]   | [dB]   |
| 1                   | 0.32185   | 33.6      | 27.6      | 30.3 | 63.9      | 57.9      | 80.0      | 70.0      | 16.1   | 12.1   |
| 2                   | 0.34039   | 34.7      | 28.9      | 30.3 | 65.0      | 59.2      | 80.0      | 70.0      | 15.0   | 10.8   |
| 3                   | 0.36929   | 33.7      | 27.5      | 30.3 | 64.0      | 57.8      | 80.0      | 70.0      | 16.0   | 12.2   |
| 4                   | 0.76214   | 18.3      | 11.7      | 30.3 | 48.6      | 42.0      | 74.0      | 64.0      | 25.4   | 22.0   |
| 5                   | 3.60392   | 11.7      | 5.3       | 30.3 | 42.0      | 35.6      | 74.0      | 64.0      | 32.0   | 28.4   |
| 6                   | 19.02938  | 15.6      | 10.3      | 30.4 | 46.0      | 40.7      | 74.0      | 64.0      | 28.0   | 23.3   |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit D No. 2



Measurement Result of Quasi-Peak and Average Detector.

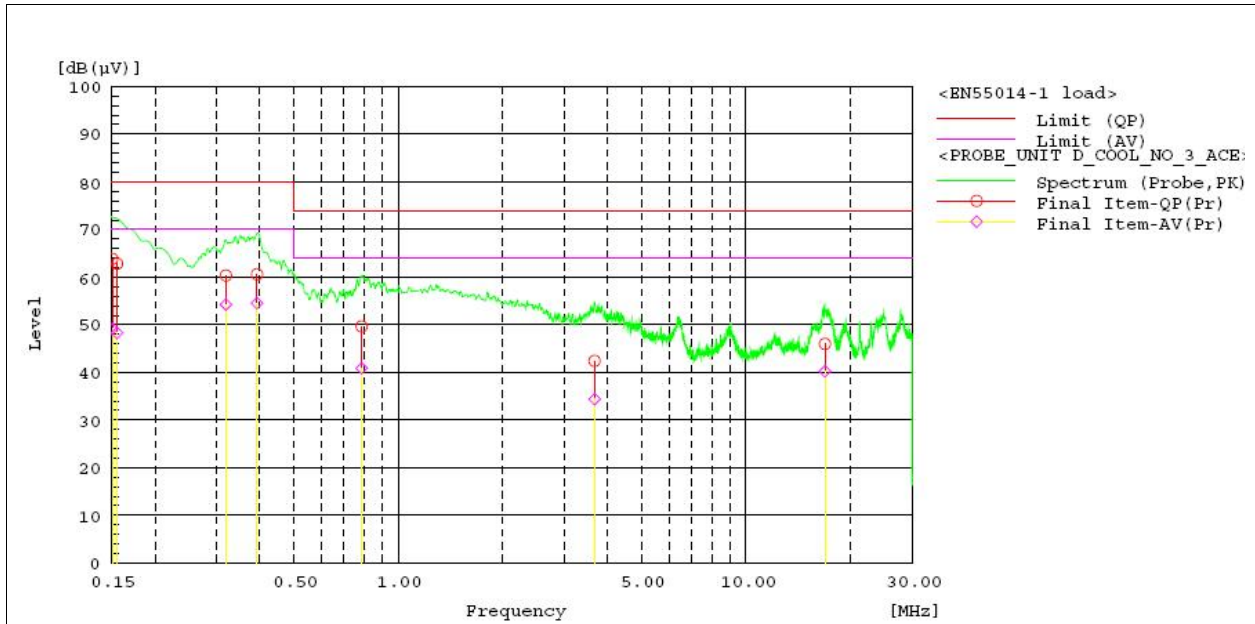
--- Probe Phase ---

| 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   | 0.16251         | 29.2                 | 21.7                  | 30.3     | 59.5                | 52.0                 | 80.0               | 70.0               | 20.5           | 18.0            |
| 2   | 0.3352          | 34.6                 | 28.8                  | 30.3     | 64.9                | 59.1                 | 80.0               | 70.0               | 15.1           | 10.9            |
| 3   | 0.37212         | 33.6                 | 27.6                  | 30.3     | 63.9                | 57.9                 | 80.0               | 70.0               | 16.1           | 12.1            |
| 4   | 0.79502         | 19.6                 | 9.5                   | 30.3     | 49.9                | 39.8                 | 74.0               | 64.0               | 24.1           | 24.2            |
| 5   | 1.26147         | 18.4                 | 5.0                   | 30.3     | 48.7                | 35.3                 | 74.0               | 64.0               | 25.3           | 28.7            |
| 6   | 3.73737         | 12.5                 | 4.0                   | 30.3     | 42.8                | 34.3                 | 74.0               | 64.0               | 31.2           | 29.7            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit D No. 3



Measurement Result of Quasi-Peak and Average Detector.

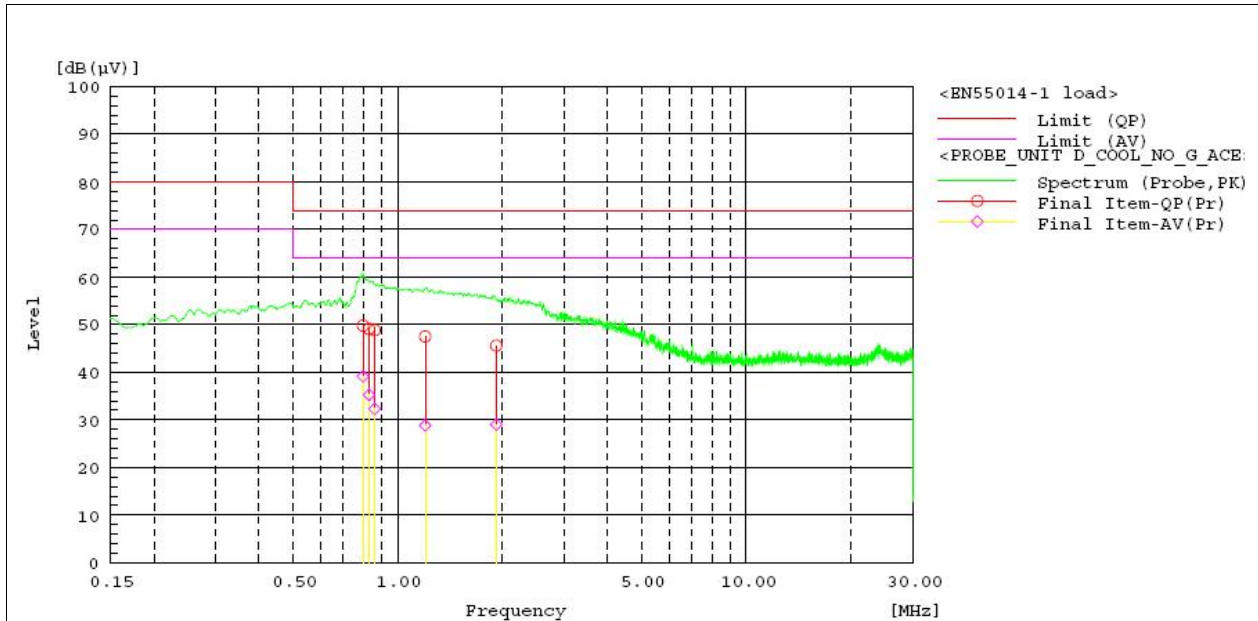
| --- Probe Phase --- |           |           |           |      |           |           |           |           |        |        |
|---------------------|-----------|-----------|-----------|------|-----------|-----------|-----------|-----------|--------|--------|
| No.                 | Frequency | Reading   | Reading   | c.f  | Result    | Result    | Limit     | Limit     | Margin | Margin |
|                     | [MHz]     | QP        | CAV       |      | QP        | CAV       | QP        | AV        | QP     | CAV    |
|                     |           | [dB (µV)] | [dB (µV)] | [dB] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB]   | [dB]   |
| 1                   | 0.15074   | 33.5      | 18.8      | 30.3 | 63.8      | 49.1      | 80.0      | 70.0      | 16.2   | 20.9   |
| 2                   | 0.15562   | 32.5      | 18.0      | 30.3 | 62.8      | 48.3      | 80.0      | 70.0      | 17.2   | 21.7   |
| 3                   | 0.31971   | 30.0      | 24.0      | 30.3 | 60.3      | 54.3      | 80.0      | 70.0      | 19.7   | 15.7   |
| 4                   | 0.39298   | 30.3      | 24.2      | 30.3 | 60.6      | 54.5      | 80.0      | 70.0      | 19.4   | 15.5   |
| 5                   | 0.7848    | 19.4      | 10.6      | 30.3 | 49.7      | 40.9      | 74.0      | 64.0      | 24.3   | 23.1   |
| 6                   | 3.6691    | 12.1      | 4.1       | 30.3 | 42.4      | 34.4      | 74.0      | 64.0      | 31.6   | 29.6   |
| 7                   | 16.86677  | 15.6      | 9.8       | 30.4 | 46.0      | 40.2      | 74.0      | 64.0      | 28.0   | 23.8   |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit D No. G



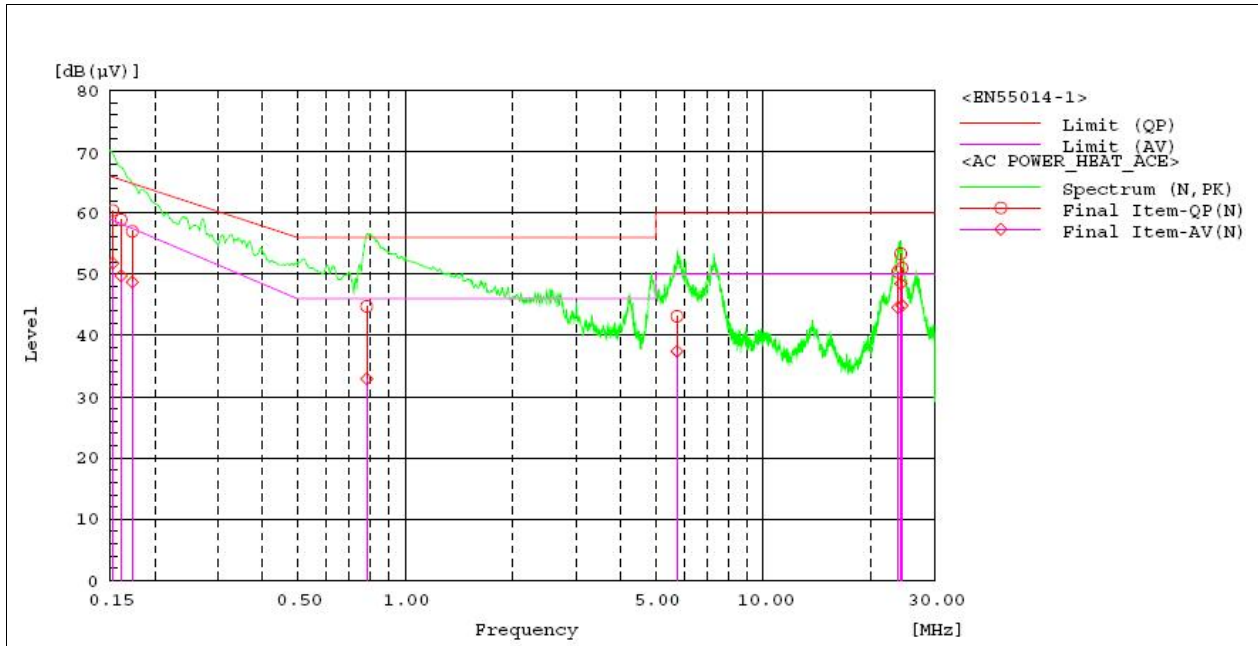
Measurement Result of Quasi-Peak and Average Detector.

| --- Probe Phase --- |           |            |             |      |           |            |           |           |           |            |
|---------------------|-----------|------------|-------------|------|-----------|------------|-----------|-----------|-----------|------------|
| No.                 | Frequency | Reading QP | Reading CAV | c.f  | Result QP | Result CAV | Limit QP  | Limit AV  | Margin QP | Margin CAV |
|                     | [MHz]     | [dB (µV)]  | [dB (µV)]   | [dB] | [dB (µV)] | [dB (µV)]  | [dB (µV)] | [dB (µV)] | [dB]      | [dB]       |
| 1                   | 0.79546   | 19.5       | 8.9         | 30.3 | 49.8      | 39.2       | 74.0      | 64.0      | 24.2      | 24.8       |
| 2                   | 0.82899   | 18.8       | 5.0         | 30.3 | 49.1      | 35.3       | 74.0      | 64.0      | 24.9      | 28.7       |
| 3                   | 0.86007   | 18.6       | 2.0         | 30.3 | 48.9      | 32.3       | 74.0      | 64.0      | 25.1      | 31.7       |
| 4                   | 1.20016   | 17.2       | -1.5        | 30.3 | 47.5      | 28.8       | 74.0      | 64.0      | 26.5      | 35.2       |
| 5                   | 1.9199    | 15.3       | -1.3        | 30.3 | 45.6      | 29.0       | 74.0      | 64.0      | 28.4      | 35.0       |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Neutron.



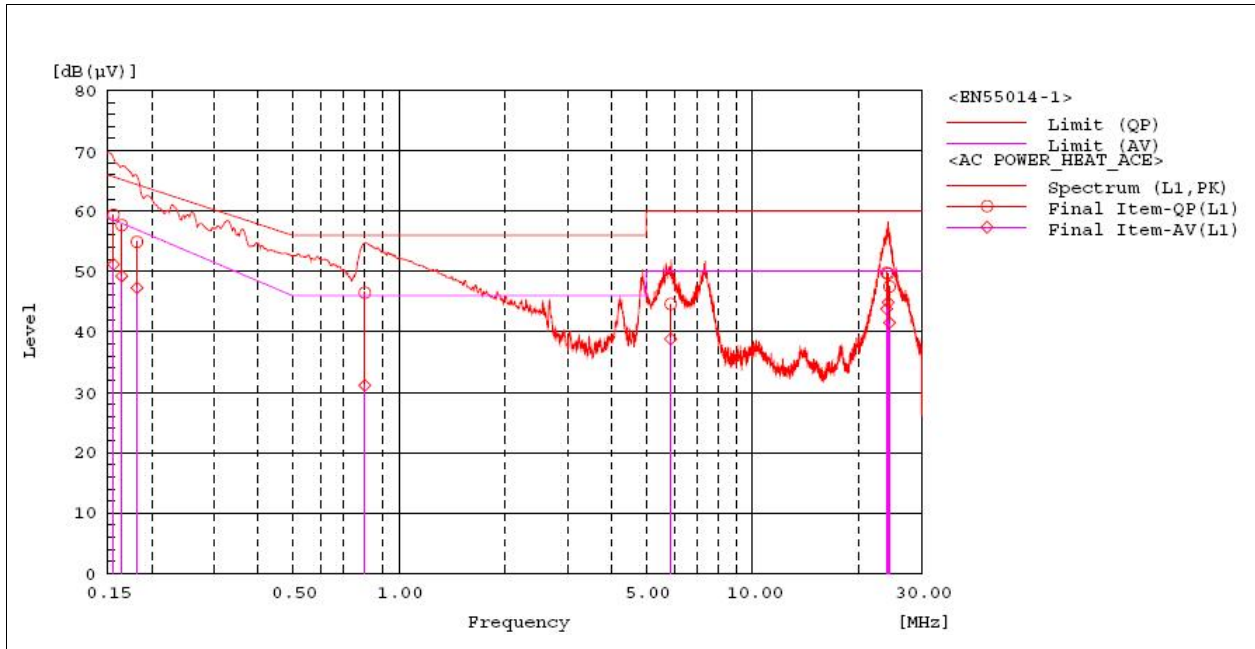
Measurement Result of Quasi-Peak and Average Detector.

--- 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   | 0.15278         | 50.3                 | 41.7                  | 10.1     | 60.4                | 51.8                 | 65.8               | 58.8               | 5.4            | 7.0             |
| 2   | 0.16128         | 48.8                 | 39.6                  | 10.1     | 58.9                | 49.7                 | 65.4               | 58.2               | 6.5            | 8.5             |
| 3   | 0.17318         | 46.9                 | 38.6                  | 10.1     | 57.0                | 48.7                 | 64.8               | 57.4               | 7.8            | 8.7             |
| 4   | 0.78157         | 34.6                 | 22.8                  | 10.1     | 44.7                | 32.9                 | 56.0               | 46.0               | 11.3           | 13.1            |
| 5   | 5.73578         | 32.9                 | 27.2                  | 10.2     | 43.1                | 37.4                 | 60.0               | 50.0               | 16.9           | 12.6            |
| 6   | 24.17964        | 42.5                 | 37.7                  | 10.8     | 53.3                | 48.5                 | 60.0               | 50.0               | 6.7            | 1.5             |
| 7   | 24.37395        | 40.2                 | 34.1                  | 10.8     | 51.0                | 44.9                 | 60.0               | 50.0               | 9.0            | 5.1             |
| 8   | 23.7415         | 39.6                 | 33.7                  | 10.8     | 50.4                | 44.5                 | 60.0               | 50.0               | 9.6            | 5.5             |

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Test Result for Line1



Measurement Result of Quasi-Peak and Average Detector.

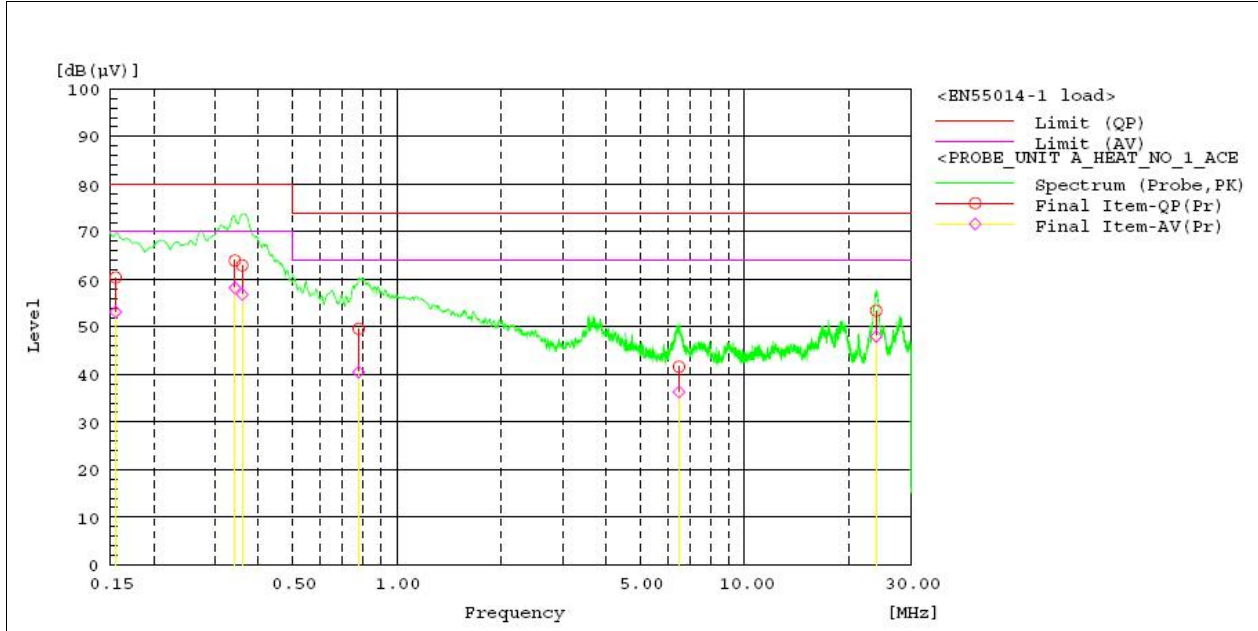
| --- L1 Phase --- |           |           |           |      |           |           |           |           |        |        |  |
|------------------|-----------|-----------|-----------|------|-----------|-----------|-----------|-----------|--------|--------|--|
| No.              | Frequency | Reading   | Reading   | c.f  | Result    | Result    | Limit     | Limit     | Margin | Margin |  |
|                  | [MHz]     | QP        | CAV       |      | QP        | CAV       | QP        | AV        | QP     | CAV    |  |
|                  |           | [dB (µV)] | [dB (µV)] | [dB] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB]   | [dB]   |  |
| 1                | 0.15628   | 49.3      | 41.1      | 10.1 | 59.4      | 51.2      | 65.7      | 58.6      | 6.3    | 7.4    |  |
| 2                | 0.16479   | 47.6      | 39.2      | 10.1 | 57.7      | 49.3      | 65.2      | 58.0      | 7.5    | 8.7    |  |
| 3                | 0.8018    | 36.4      | 21.0      | 10.1 | 46.5      | 31.1      | 56.0      | 46.0      | 9.5    | 14.9   |  |
| 4                | 0.18177   | 44.8      | 37.2      | 10.1 | 54.9      | 47.3      | 64.4      | 56.9      | 9.5    | 9.6    |  |
| 5                | 5.86582   | 34.4      | 28.6      | 10.2 | 44.6      | 38.8      | 60.0      | 50.0      | 15.4   | 11.2   |  |
| 6                | 24.1633   | 38.9      | 34.2      | 10.7 | 49.6      | 44.9      | 60.0      | 50.0      | 10.4   | 5.1    |  |
| 7                | 24.37475  | 36.8      | 30.8      | 10.7 | 47.5      | 41.5      | 60.0      | 50.0      | 12.5   | 8.5    |  |
| 8                | 23.91968  | 39.1      | 33.1      | 10.7 | 49.8      | 43.8      | 60.0      | 50.0      | 10.2   | 6.2    |  |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit A No. 1



Measurement Result of Quasi-Peak and Average Detector.

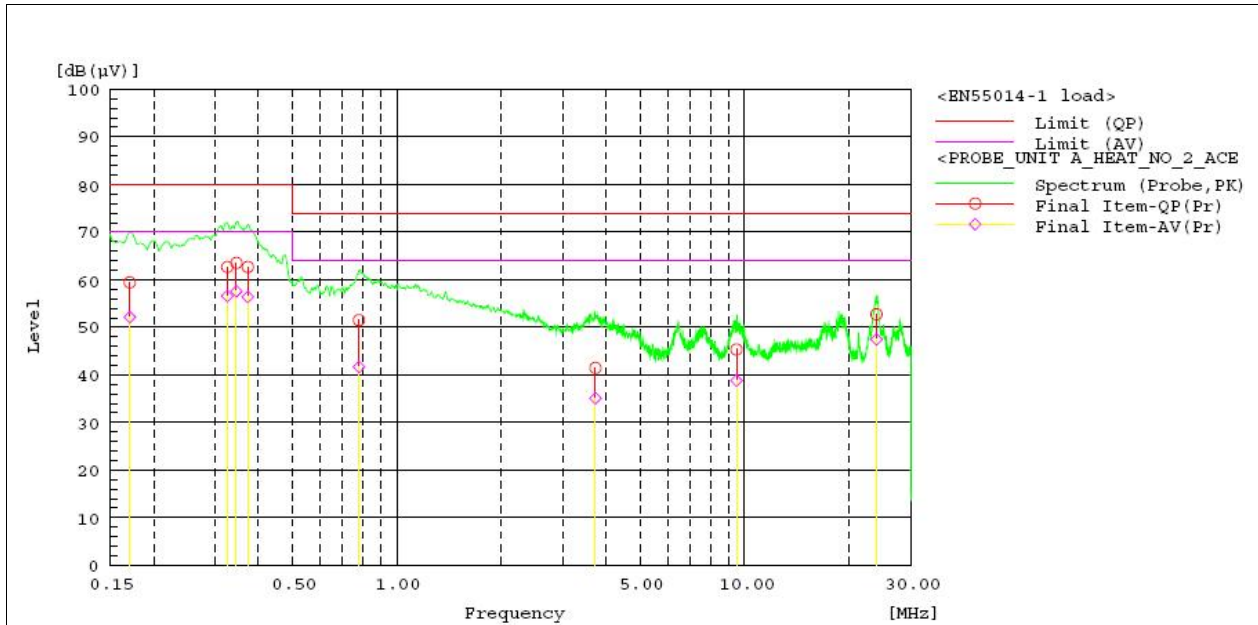
--- Probe Phase ---

| 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   | 0.15562         | 30.1                 | 22.9                  | 30.3     | 60.4                | 53.2                 | 80.0               | 70.0               | 19.6           | 16.8            |
| 2   | 0.3429          | 33.7                 | 27.9                  | 30.3     | 64.0                | 58.2                 | 80.0               | 70.0               | 16.0           | 11.8            |
| 3   | 0.35956         | 32.7                 | 26.5                  | 30.3     | 63.0                | 56.8                 | 80.0               | 70.0               | 17.0           | 13.2            |
| 4   | 0.77752         | 19.3                 | 10.2                  | 30.3     | 49.6                | 40.5                 | 74.0               | 64.0               | 24.4           | 23.5            |
| 5   | 6.47408         | 11.3                 | 6.0                   | 30.3     | 41.6                | 36.3                 | 74.0               | 64.0               | 32.4           | 27.7            |
| 6   | 23.90467        | 23.0                 | 17.6                  | 30.4     | 53.4                | 48.0                 | 74.0               | 64.0               | 20.6           | 16.0            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit A No. 2



Measurement Result of Quasi-Peak and Average Detector.

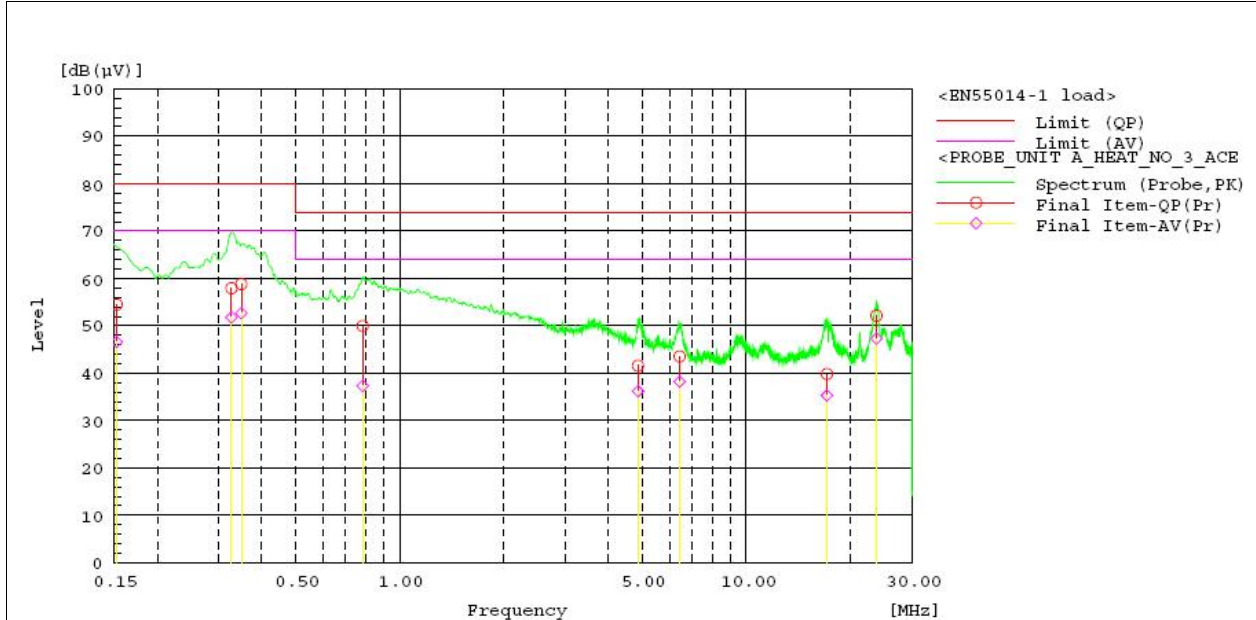
--- Probe Phase ---

| 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   | 0.17091         | 29.1                 | 21.8                  | 30.3     | 59.4                | 52.1                 | 80.0               | 70.0               | 20.6           | 17.9            |
| 2   | 0.32566         | 32.4                 | 26.3                  | 30.3     | 62.7                | 56.6                 | 80.0               | 70.0               | 17.3           | 13.4            |
| 3   | 0.34596         | 33.2                 | 27.3                  | 30.3     | 63.5                | 57.6                 | 80.0               | 70.0               | 16.5           | 12.4            |
| 4   | 0.37313         | 32.4                 | 26.1                  | 30.3     | 62.7                | 56.4                 | 80.0               | 70.0               | 17.3           | 13.6            |
| 5   | 0.77833         | 21.2                 | 11.4                  | 30.3     | 51.5                | 41.7                 | 74.0               | 64.0               | 22.5           | 22.3            |
| 6   | 3.7226          | 11.2                 | 4.8                   | 30.3     | 41.5                | 35.1                 | 74.0               | 64.0               | 32.5           | 28.9            |
| 7   | 9.47472         | 15.0                 | 8.5                   | 30.3     | 45.3                | 38.8                 | 74.0               | 64.0               | 28.7           | 25.2            |
| 8   | 23.92056        | 22.3                 | 17.1                  | 30.4     | 52.7                | 47.5                 | 74.0               | 64.0               | 21.3           | 16.5            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit A No. 3



Measurement Result of Quasi-Peak and Average Detector.

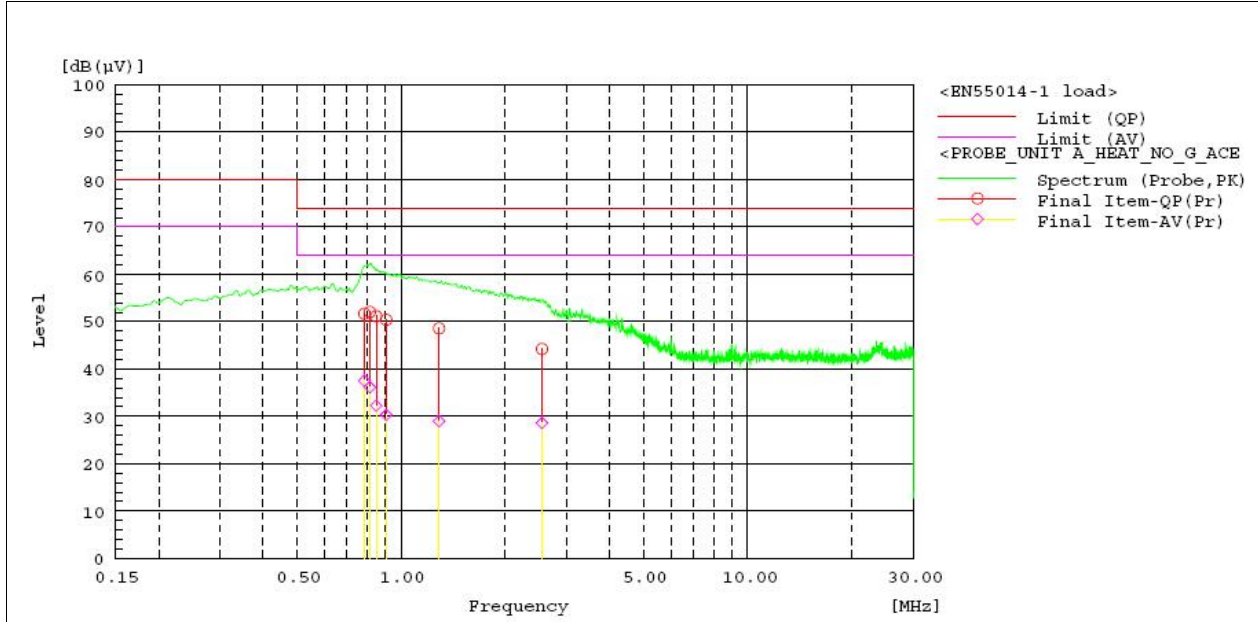
--- Probe Phase ---

| 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   | 0.15278         | 24.2                 | 16.3                  | 30.3     | 54.5                | 46.6                 | 80.0               | 70.0               | 25.5           | 23.4            |
| 2   | 0.32727         | 27.6                 | 21.5                  | 30.3     | 57.9                | 51.8                 | 80.0               | 70.0               | 22.1           | 18.2            |
| 3   | 0.34946         | 28.5                 | 22.4                  | 30.3     | 58.8                | 52.7                 | 80.0               | 70.0               | 21.2           | 17.3            |
| 4   | 0.78238         | 19.7                 | 7.0                   | 30.3     | 50.0                | 37.3                 | 74.0               | 64.0               | 24.0           | 26.7            |
| 5   | 4.86801         | 11.3                 | 5.9                   | 30.3     | 41.6                | 36.2                 | 74.0               | 64.0               | 32.4           | 27.8            |
| 6   | 6.4196          | 13.2                 | 7.9                   | 30.3     | 43.5                | 38.2                 | 74.0               | 64.0               | 30.5           | 25.8            |
| 7   | 17.09665        | 9.4                  | 4.9                   | 30.4     | 39.8                | 35.3                 | 74.0               | 64.0               | 34.2           | 28.7            |
| 8   | 23.72523        | 21.7                 | 16.9                  | 30.4     | 52.1                | 47.3                 | 74.0               | 64.0               | 21.9           | 16.7            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit A No. G



Measurement Result of Quasi-Peak and Average Detector.

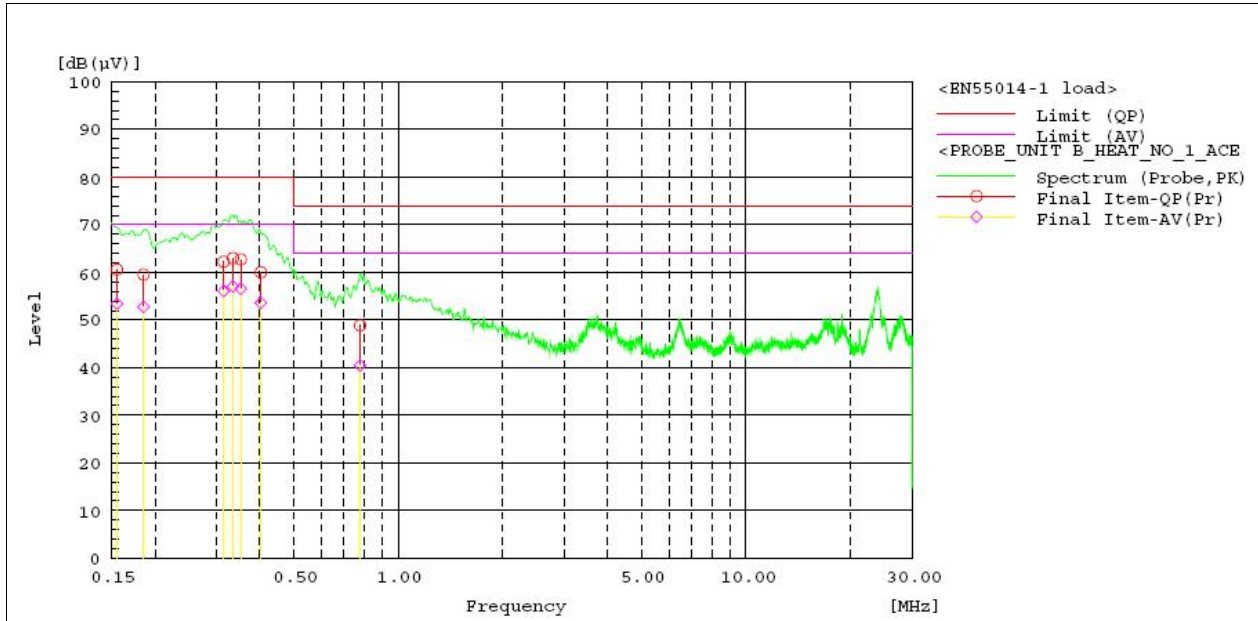
--- Probe Phase ---

| 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   | 0.78399         | 21.4                 | 7.2                   | 30.3     | 51.7                | 37.5                 | 74.0               | 64.0               | 22.3           | 26.5            |
| 2   | 0.81363         | 21.7                 | 5.8                   | 30.3     | 52.0                | 36.1                 | 74.0               | 64.0               | 22.0           | 27.9            |
| 3   | 0.84806         | 20.9                 | 2.0                   | 30.3     | 51.2                | 32.3                 | 74.0               | 64.0               | 22.8           | 31.7            |
| 4   | 0.90782         | 20.1                 | 0.0                   | 30.3     | 50.4                | 30.3                 | 74.0               | 64.0               | 23.6           | 33.7            |
| 5   | 1.28699         | 18.3                 | -1.4                  | 30.3     | 48.6                | 28.9                 | 74.0               | 64.0               | 25.4           | 35.1            |
| 6   | 2.5496          | 13.9                 | -1.7                  | 30.3     | 44.2                | 28.6                 | 74.0               | 64.0               | 29.8           | 35.4            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit B No. 1



Measurement Result of Quasi-Peak and Average Detector.

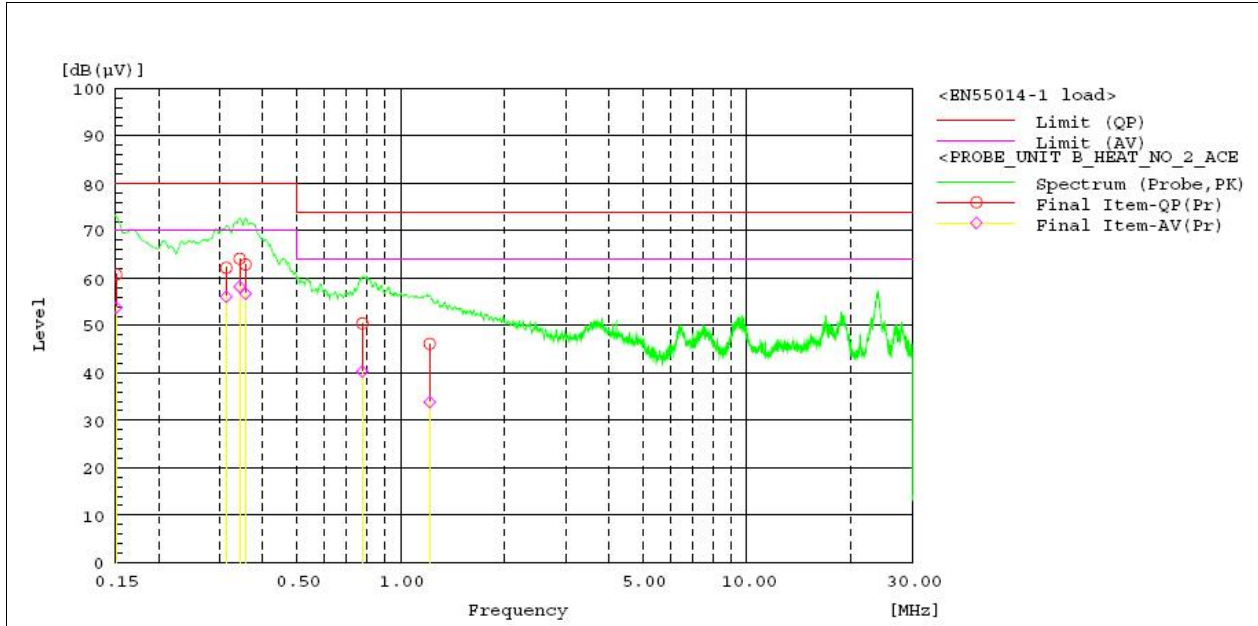
| --- Probe Phase --- |           |           |           |      |           |           |           |           |        |        |
|---------------------|-----------|-----------|-----------|------|-----------|-----------|-----------|-----------|--------|--------|
| No.                 | Frequency | Reading   | Reading   | c.f  | Result    | Result    | Limit     | Limit     | Margin | Margin |
|                     | [MHz]     | QP        | CAV       |      | QP        | CAV       | QP        | AV        | QP     | CAV    |
|                     |           | [dB (µV)] | [dB (µV)] | [dB] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB]   | [dB]   |
| 1                   | 0.15562   | 30.3      | 23.1      | 30.3 | 60.6      | 53.4      | 80.0      | 70.0      | 19.4   | 16.6   |
| 2                   | 0.18564   | 29.2      | 22.5      | 30.3 | 59.5      | 52.8      | 80.0      | 70.0      | 20.5   | 17.2   |
| 3                   | 0.31524   | 31.9      | 25.8      | 30.3 | 62.2      | 56.1      | 80.0      | 70.0      | 17.8   | 13.9   |
| 4                   | 0.33512   | 32.7      | 26.8      | 30.3 | 63.0      | 57.1      | 80.0      | 70.0      | 17.0   | 12.9   |
| 5                   | 0.35333   | 32.4      | 26.3      | 30.3 | 62.7      | 56.6      | 80.0      | 70.0      | 17.3   | 13.4   |
| 6                   | 0.40297   | 29.7      | 23.3      | 30.3 | 60.0      | 53.6      | 80.0      | 70.0      | 20.0   | 16.4   |
| 7                   | 0.77752   | 18.5      | 10.1      | 30.3 | 48.8      | 40.4      | 74.0      | 64.0      | 25.2   | 23.6   |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit B No. 2



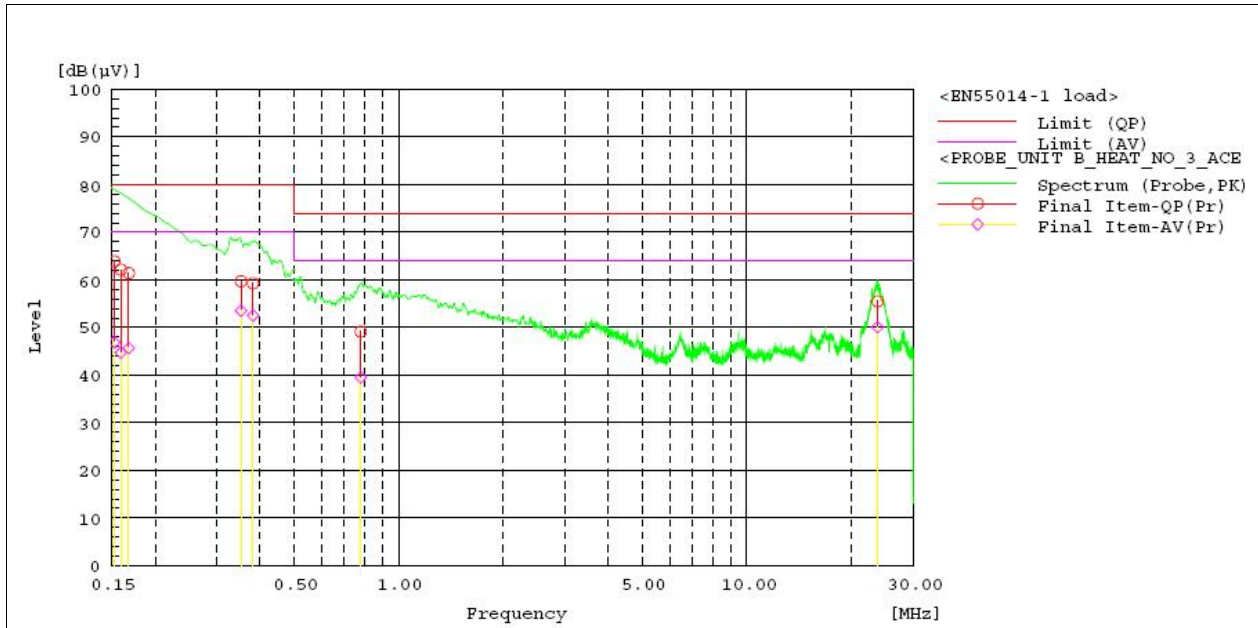
Measurement Result of Quasi-Peak and Average Detector.

| --- 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                   | 0.15109         | 30.5                 | 23.5                  | 30.3     | 60.8                | 53.8                 | 80.0               | 70.0               | 19.2           | 16.2            |
| 2                   | 0.31424         | 31.9                 | 25.8                  | 30.3     | 62.2                | 56.1                 | 80.0               | 70.0               | 17.8           | 13.9            |
| 3                   | 0.34343         | 33.8                 | 27.9                  | 30.3     | 64.1                | 58.2                 | 80.0               | 70.0               | 15.9           | 11.8            |
| 4                   | 0.35644         | 32.6                 | 26.4                  | 30.3     | 62.9                | 56.7                 | 80.0               | 70.0               | 17.1           | 13.3            |
| 5                   | 0.7759          | 20.1                 | 10.0                  | 30.3     | 50.4                | 40.3                 | 74.0               | 64.0               | 23.6           | 23.7            |
| 6                   | 1.21469         | 15.8                 | 3.6                   | 30.3     | 46.1                | 33.9                 | 74.0               | 64.0               | 27.9           | 30.1            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit B No. 3



Measurement Result of Quasi-Peak and Average Detector.

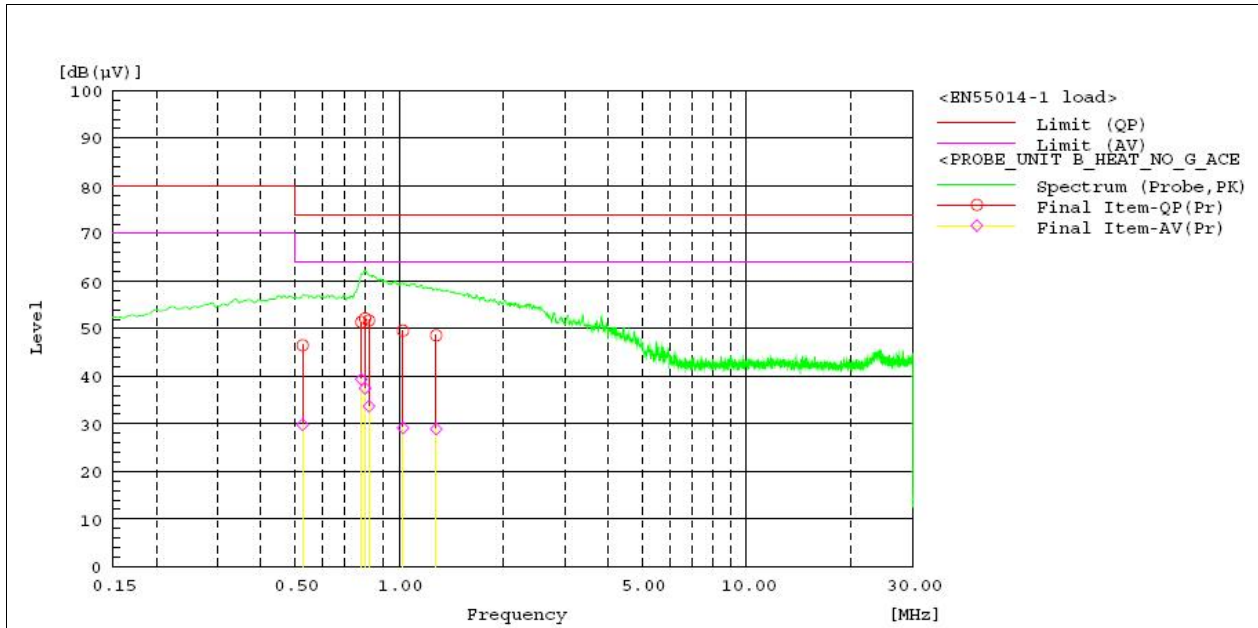
--- Probe Phase ---

| 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   | 0.15278         | 33.6                 | 16.6                  | 30.3     | 63.9                | 46.9                 | 80.0               | 70.0               | 16.1           | 23.1            |
| 2   | 0.15958         | 31.9                 | 14.4                  | 30.3     | 62.2                | 44.7                 | 80.0               | 70.0               | 17.8           | 25.3            |
| 3   | 0.16808         | 31.1                 | 15.4                  | 30.3     | 61.4                | 45.7                 | 80.0               | 70.0               | 18.6           | 24.3            |
| 4   | 0.35342         | 29.4                 | 23.2                  | 30.3     | 59.7                | 53.5                 | 80.0               | 70.0               | 20.3           | 16.5            |
| 5   | 0.38222         | 29.0                 | 22.2                  | 30.3     | 59.3                | 52.5                 | 80.0               | 70.0               | 20.7           | 17.5            |
| 6   | 0.77847         | 18.8                 | 9.2                   | 30.3     | 49.1                | 39.5                 | 74.0               | 64.0               | 24.9           | 24.5            |
| 7   | 23.70854        | 25.1                 | 19.7                  | 30.4     | 55.5                | 50.1                 | 74.0               | 64.0               | 18.5           | 13.9            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit B No. G



Measurement Result of Quasi-Peak and Average Detector.

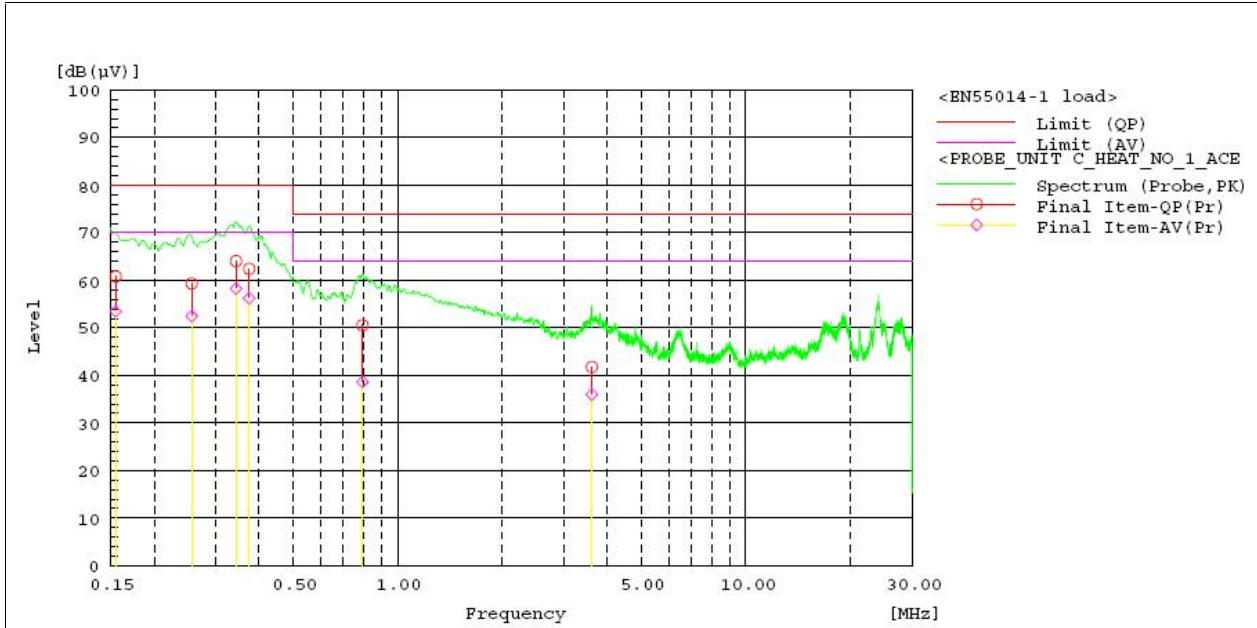
| --- Probe Phase --- |                 |                      |                       |          |                     |                      |                    |                    |                |                 |
|---------------------|-----------------|----------------------|-----------------------|----------|---------------------|----------------------|--------------------|--------------------|----------------|-----------------|
| 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                   | 1.27855         | 18.3                 | -1.4                  | 30.3     | 48.6                | 28.9                 | 74.0               | 64.0               | 25.4           | 35.1            |
| 2                   | 1.02606         | 19.3                 | -1.2                  | 30.3     | 49.6                | 29.1                 | 74.0               | 64.0               | 24.4           | 34.9            |
| 3                   | 0.8196          | 21.4                 | 3.4                   | 30.3     | 51.7                | 33.7                 | 74.0               | 64.0               | 22.3           | 30.3            |
| 4                   | 0.79848         | 21.8                 | 7.2                   | 30.3     | 52.1                | 37.5                 | 74.0               | 64.0               | 21.9           | 26.5            |
| 5                   | 0.77914         | 21.1                 | 9.0                   | 30.3     | 51.4                | 39.3                 | 74.0               | 64.0               | 22.6           | 24.7            |
| 6                   | 0.52758         | 16.2                 | -0.5                  | 30.3     | 46.5                | 29.8                 | 74.0               | 64.0               | 27.5           | 34.2            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit C No. 1



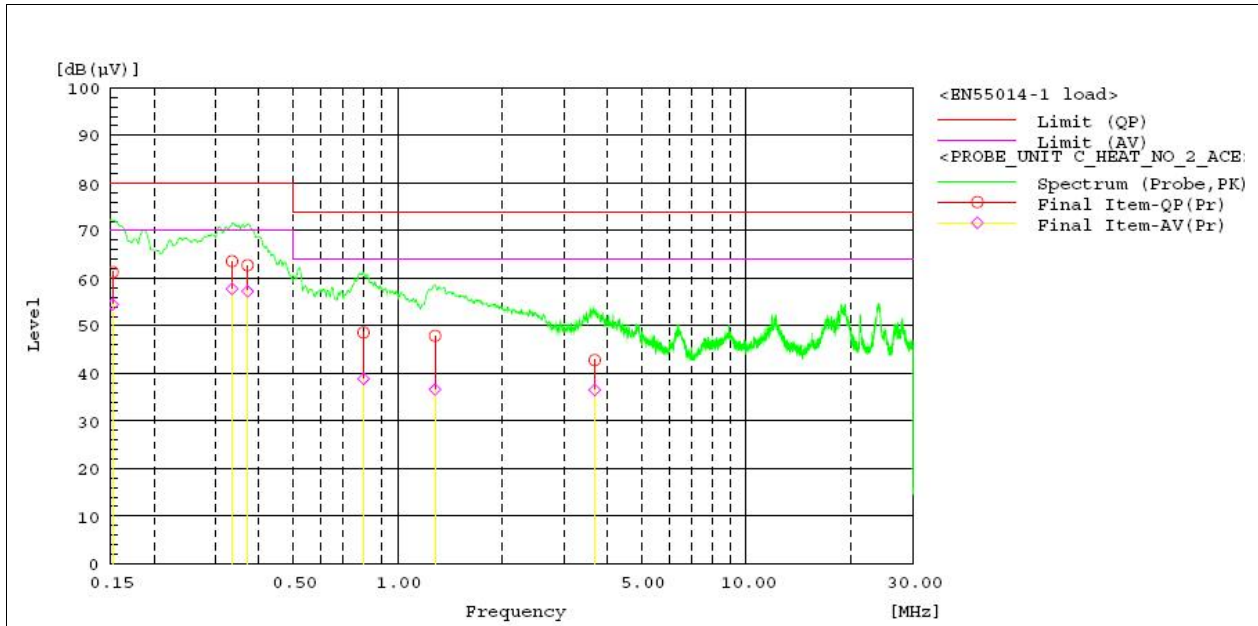
Measurement Result of Quasi-Peak and Average Detector.

| --- 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                   | 0.15505         | 30.5                 | 23.2                  | 30.3     | 60.8                | 53.5                 | 80.0               | 70.0               | 19.2           | 16.5            |
| 2                   | 0.25655         | 29.0                 | 22.1                  | 30.3     | 59.3                | 52.4                 | 80.0               | 70.0               | 20.7           | 17.6            |
| 3                   | 0.34363         | 33.8                 | 28.0                  | 30.3     | 64.1                | 58.3                 | 80.0               | 70.0               | 15.9           | 11.7            |
| 4                   | 0.37488         | 32.1                 | 25.9                  | 30.3     | 62.4                | 56.2                 | 80.0               | 70.0               | 17.6           | 13.8            |
| 5                   | 0.79297         | 20.3                 | 8.3                   | 30.3     | 50.6                | 38.6                 | 74.0               | 64.0               | 23.4           | 25.4            |
| 6                   | 3.61141         | 11.5                 | 5.7                   | 30.3     | 41.8                | 36.0                 | 74.0               | 64.0               | 32.2           | 28.0            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit C No. 2



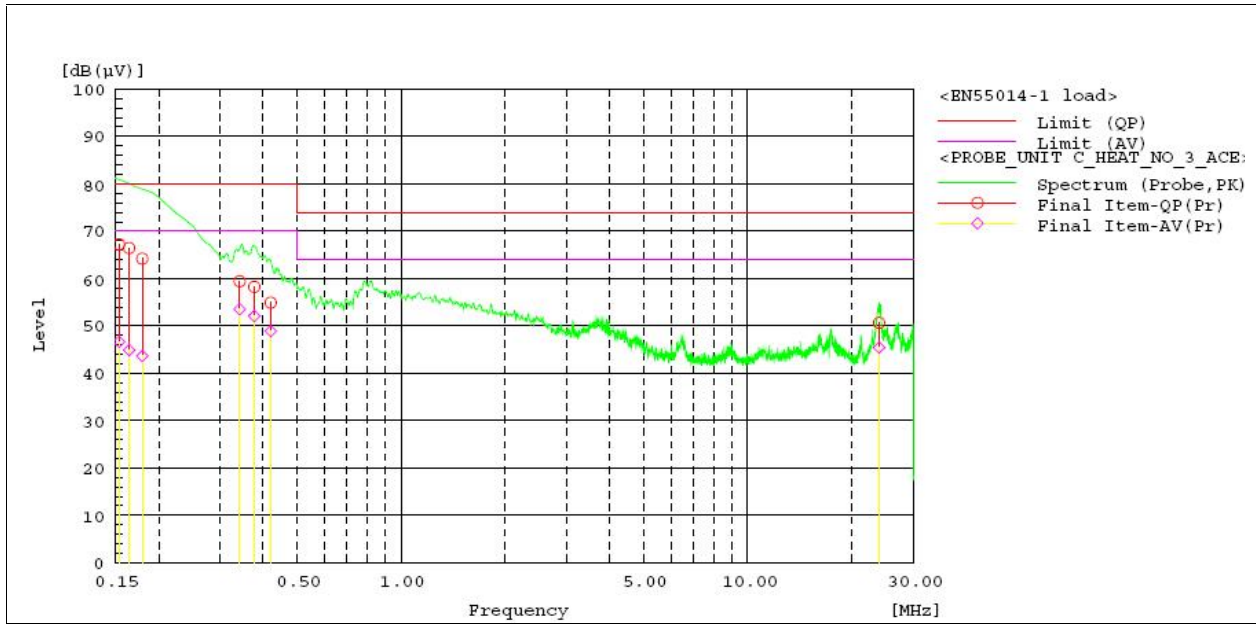
Measurement Result of Quasi-Peak and Average Detector.

| --- Probe Phase --- |           |           |           |      |           |           |           |           |        |        |
|---------------------|-----------|-----------|-----------|------|-----------|-----------|-----------|-----------|--------|--------|
| No.                 | Frequency | Reading   | Reading   | c.f  | Result    | Result    | Limit     | Limit     | Margin | Margin |
|                     | [MHz]     | QP        | CAV       |      | QP        | CAV       | QP        | AV        | QP     | CAV    |
|                     |           | [dB (µV)] | [dB (µV)] | [dB] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB]   | [dB]   |
| 1                   | 0.15222   | 31.0      | 24.2      | 30.3 | 61.3      | 54.5      | 80.0      | 70.0      | 18.7   | 15.5   |
| 2                   | 0.3352    | 33.3      | 27.5      | 30.3 | 63.6      | 57.8      | 80.0      | 70.0      | 16.4   | 12.2   |
| 3                   | 0.37146   | 32.4      | 27.0      | 30.3 | 62.7      | 57.3      | 80.0      | 70.0      | 17.3   | 12.7   |
| 4                   | 0.7993    | 18.3      | 8.6       | 30.3 | 48.6      | 38.9      | 74.0      | 64.0      | 25.4   | 25.1   |
| 5                   | 1.28057   | 17.6      | 6.3       | 30.3 | 47.9      | 36.6      | 74.0      | 64.0      | 26.1   | 27.4   |
| 6                   | 3.67446   | 12.5      | 6.2       | 30.3 | 42.8      | 36.5      | 74.0      | 64.0      | 31.2   | 27.5   |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit C No. 3



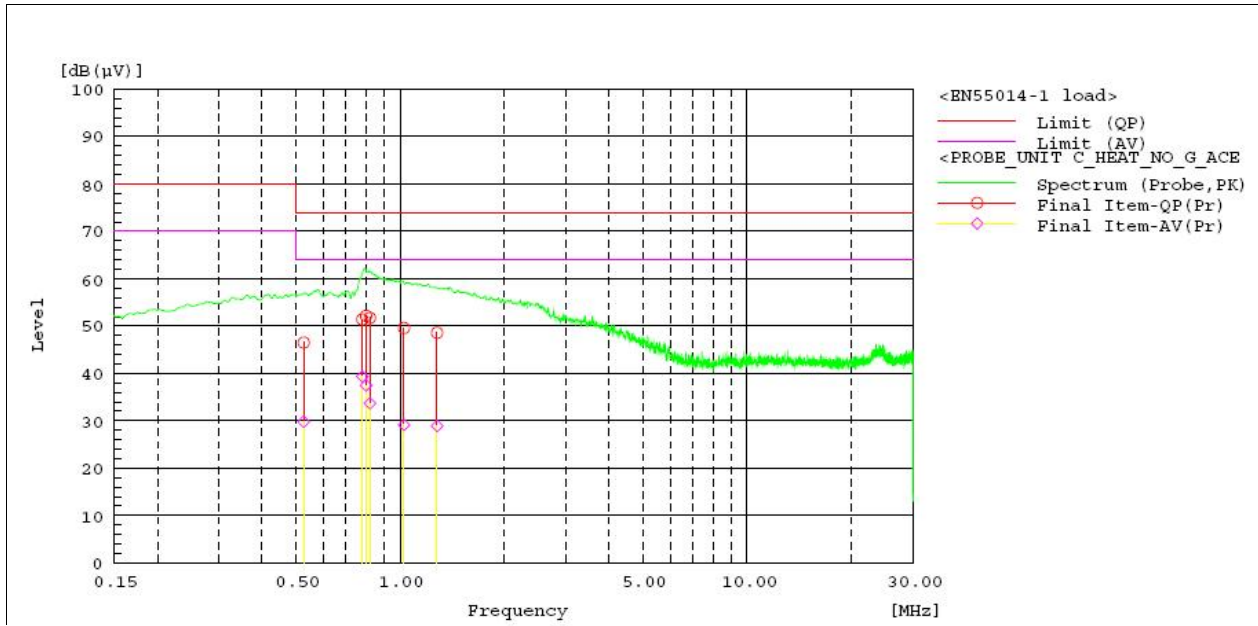
Measurement Result of Quasi-Peak and Average Detector.

| --- 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                   | 0.15392         | 37.0                 | 16.4                  | 30.3     | 67.3                | 46.7                 | 80.0               | 70.0               | 12.7           | 23.3            |
| 2                   | 0.16457         | 36.2                 | 14.6                  | 30.3     | 66.5                | 44.9                 | 80.0               | 70.0               | 13.5           | 25.1            |
| 3                   | 0.17951         | 33.9                 | 13.4                  | 30.3     | 64.2                | 43.7                 | 80.0               | 70.0               | 15.8           | 26.3            |
| 4                   | 0.34256         | 29.2                 | 23.2                  | 30.3     | 59.5                | 53.5                 | 80.0               | 70.0               | 20.5           | 16.5            |
| 5                   | 0.37787         | 28.0                 | 21.8                  | 30.3     | 58.3                | 52.1                 | 80.0               | 70.0               | 21.7           | 17.9            |
| 6                   | 0.42131         | 24.6                 | 18.6                  | 30.3     | 54.9                | 48.9                 | 80.0               | 70.0               | 25.1           | 21.1            |
| 7                   | 23.93621        | 20.3                 | 15.0                  | 30.4     | 50.7                | 45.4                 | 74.0               | 64.0               | 23.3           | 18.6            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit C No. G



Measurement Result of Quasi-Peak and Average Detector.

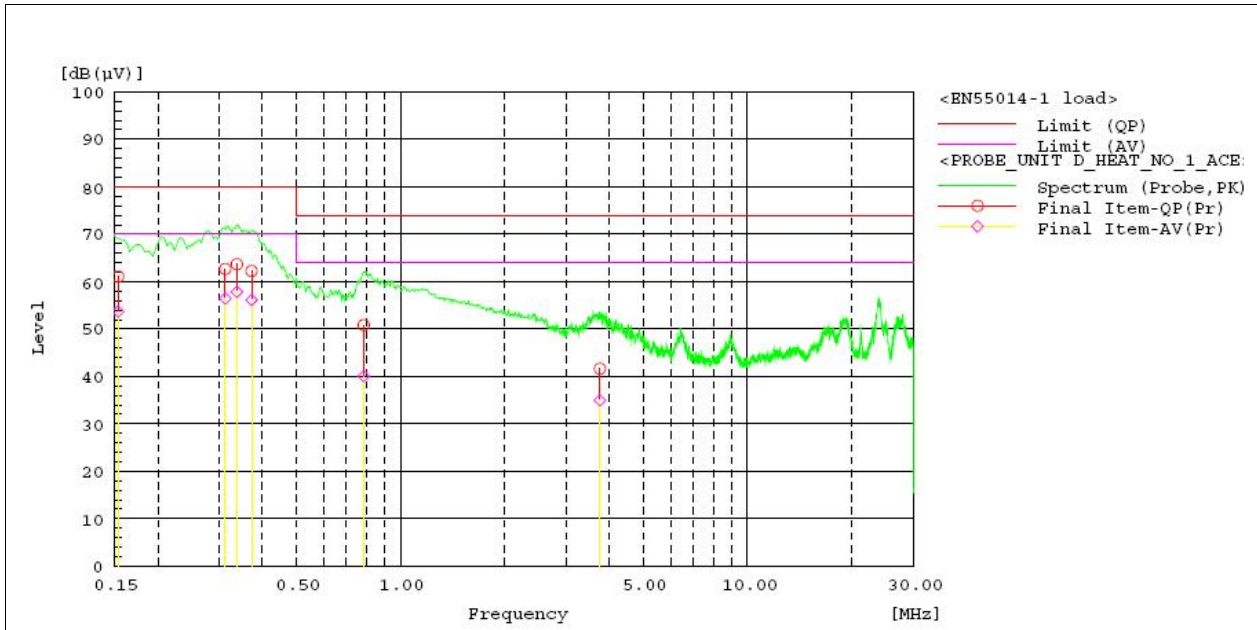
--- Probe Phase ---

| 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   | 1.27855         | 18.3                 | -1.4                  | 30.3     | 48.6                | 28.9                 | 74.0               | 64.0               | 25.4           | 35.1            |
| 2   | 1.02606         | 19.3                 | -1.2                  | 30.3     | 49.6                | 29.1                 | 74.0               | 64.0               | 24.4           | 34.9            |
| 3   | 0.8196          | 21.4                 | 3.4                   | 30.3     | 51.7                | 33.7                 | 74.0               | 64.0               | 22.3           | 30.3            |
| 4   | 0.79848         | 21.8                 | 7.2                   | 30.3     | 52.1                | 37.5                 | 74.0               | 64.0               | 21.9           | 26.5            |
| 5   | 0.77914         | 21.1                 | 9.0                   | 30.3     | 51.4                | 39.3                 | 74.0               | 64.0               | 22.6           | 24.7            |
| 6   | 0.52758         | 16.2                 | -0.5                  | 30.3     | 46.5                | 29.8                 | 74.0               | 64.0               | 27.5           | 34.2            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit D No. 1



Measurement Result of Quasi-Peak and Average Detector.

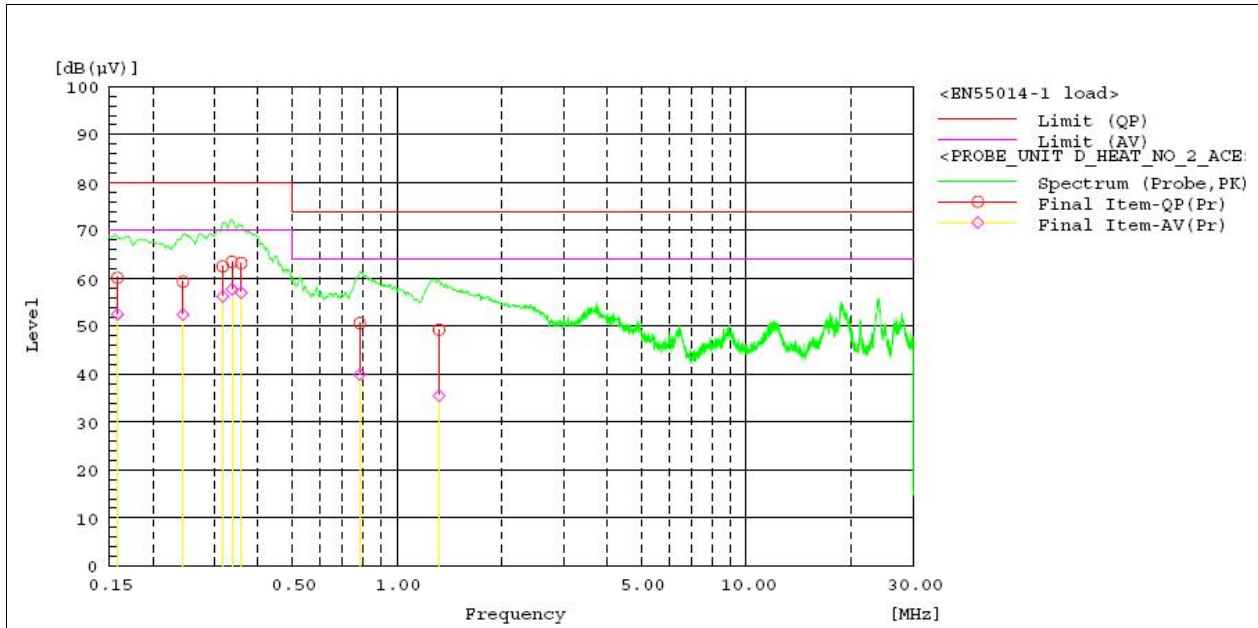
| --- Probe Phase --- |           |           |           |      |           |           |           |           |        |        |
|---------------------|-----------|-----------|-----------|------|-----------|-----------|-----------|-----------|--------|--------|
| No.                 | Frequency | Reading   | Reading   | c.f  | Result    | Result    | Limit     | Limit     | Margin | Margin |
|                     | [MHz]     | QP        | CAV       |      | QP        | CAV       | QP        | AV        | QP     | CAV    |
|                     |           | [dB (µV)] | [dB (µV)] | [dB] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB (µV)] | [dB]   | [dB]   |
| 1                   | 0.15392   | 30.8      | 23.4      | 30.3 | 61.1      | 53.7      | 80.0      | 70.0      | 18.9   | 16.3   |
| 2                   | 0.31319   | 32.4      | 26.1      | 30.3 | 62.7      | 56.4      | 80.0      | 70.0      | 17.3   | 13.6   |
| 3                   | 0.33811   | 33.4      | 27.5      | 30.3 | 63.7      | 57.8      | 80.0      | 70.0      | 16.3   | 12.2   |
| 4                   | 0.37242   | 31.9      | 25.8      | 30.3 | 62.2      | 56.1      | 80.0      | 70.0      | 17.8   | 13.9   |
| 5                   | 0.78399   | 20.5      | 9.8       | 30.3 | 50.8      | 40.1      | 74.0      | 64.0      | 23.2   | 23.9   |
| 6                   | 3.75373   | 11.3      | 4.7       | 30.3 | 41.6      | 35.0      | 74.0      | 64.0      | 32.4   | 29.0   |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit D No. 2



Measurement Result of Quasi-Peak and Average Detector.

--- Probe Phase ---

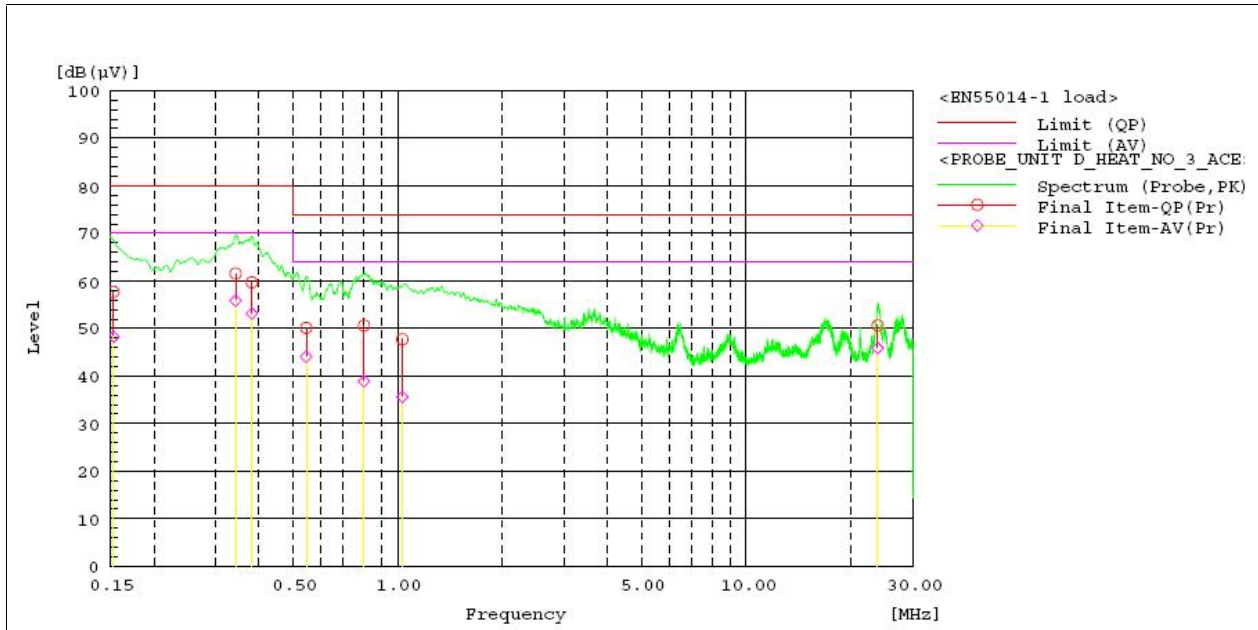
| No. | Frequency [MHz] | Reading QP [dB (µV)] | Reading CAV [dB (µV)] | c.f [dB] | Result QP [dB (µV)] | Result CAV [dB (µV)] | Limit QP [dB (µV)] | Limit AV [dB (µV)] | Margin QP [dB] | Margin CAV [dB] |
|-----|-----------------|----------------------|-----------------------|----------|---------------------|----------------------|--------------------|--------------------|----------------|-----------------|
| 1   | 0.15845         | 29.8                 | 22.2                  | 30.3     | 60.1                | 52.5                 | 80.0               | 70.0               | 19.9           | 17.5            |
| 2   | 0.24409         | 29.0                 | 22.1                  | 30.3     | 59.3                | 52.4                 | 80.0               | 70.0               | 20.7           | 17.6            |
| 3   | 0.31746         | 32.2                 | 26.0                  | 30.3     | 62.5                | 56.3                 | 80.0               | 70.0               | 17.5           | 13.7            |
| 4   | 0.33719         | 33.2                 | 27.5                  | 30.3     | 63.5                | 57.8                 | 80.0               | 70.0               | 16.5           | 12.2            |
| 5   | 0.35822         | 32.9                 | 26.7                  | 30.3     | 63.2                | 57.0                 | 80.0               | 70.0               | 16.8           | 13.0            |
| 6   | 0.78319         | 20.4                 | 9.6                   | 30.3     | 50.7                | 39.9                 | 74.0               | 64.0               | 23.3           | 24.1            |
| 7   | 1.32018         | 19.0                 | 5.2                   | 30.3     | 49.3                | 35.5                 | 74.0               | 64.0               | 24.7           | 28.5            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit D No. 3



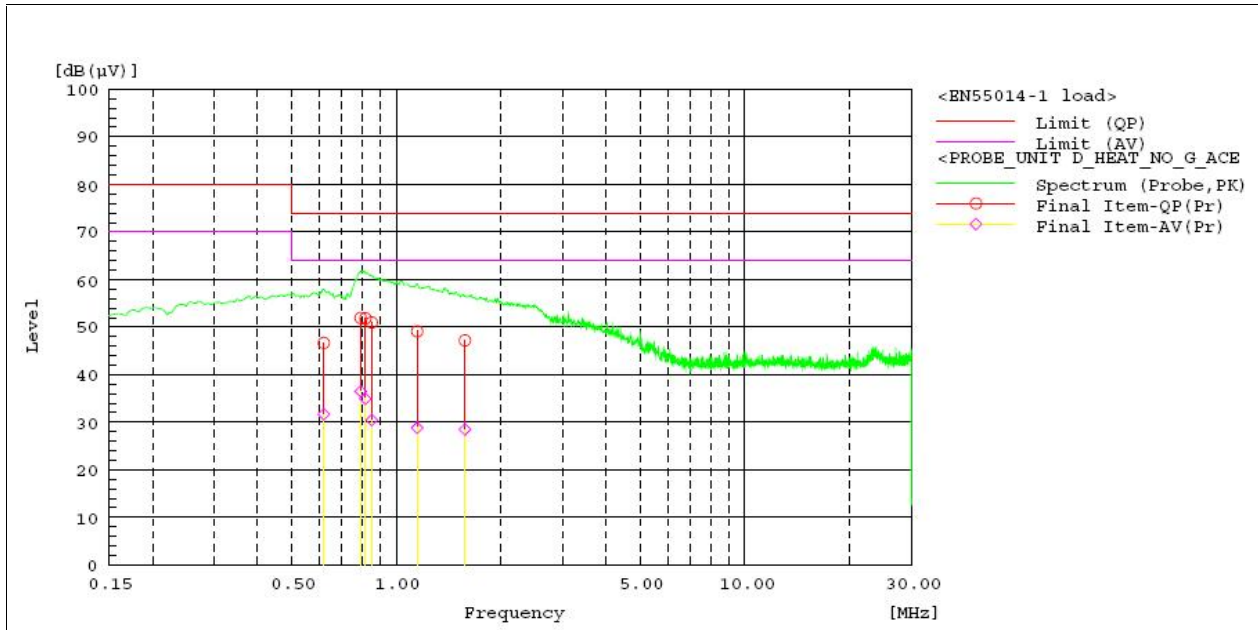
Measurement Result of Quasi-Peak and Average Detector.

| --- 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                   | 0.15335         | 27.4                 | 18.0                  | 30.3     | 57.7                | 48.3                 | 80.0               | 70.0               | 22.3           | 21.7            |
| 2                   | 0.34343         | 31.3                 | 25.6                  | 30.3     | 61.6                | 55.9                 | 80.0               | 70.0               | 18.4           | 14.1            |
| 3                   | 0.38189         | 29.4                 | 22.9                  | 30.3     | 59.7                | 53.2                 | 80.0               | 70.0               | 20.3           | 16.8            |
| 4                   | 0.54687         | 19.8                 | 13.8                  | 30.3     | 50.1                | 44.1                 | 74.0               | 64.0               | 23.9           | 19.9            |
| 5                   | 0.80158         | 20.3                 | 8.6                   | 30.3     | 50.6                | 38.9                 | 74.0               | 64.0               | 23.4           | 25.1            |
| 6                   | 1.03183         | 17.5                 | 5.3                   | 30.3     | 47.8                | 35.6                 | 74.0               | 64.0               | 26.2           | 28.4            |
| 7                   | 23.82321        | 20.2                 | 15.5                  | 30.4     | 50.6                | 45.9                 | 74.0               | 64.0               | 23.4           | 18.1            |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

Test Result for Probe Unit D No. G



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                   | 1.57307         | 16.9                 | -1.8                  | 30.3     | 47.2                | 28.5                 | 74.0               | 64.0               | 26.8           | 35.5            |
| 2                   | 1.14795         | 18.8                 | -1.5                  | 30.3     | 49.1                | 28.8                 | 74.0               | 64.0               | 24.9           | 35.2            |
| 3                   | 0.85117         | 20.7                 | 0.2                   | 30.3     | 51.0                | 30.5                 | 74.0               | 64.0               | 23.0           | 33.5            |
| 4                   | 0.81556         | 21.5                 | 4.6                   | 30.3     | 51.8                | 34.9                 | 74.0               | 64.0               | 22.2           | 29.1            |
| 5                   | 0.79033         | 21.6                 | 6.2                   | 30.3     | 51.9                | 36.5                 | 74.0               | 64.0               | 22.1           | 27.5            |
| 6                   | 0.61971         | 16.4                 | 1.4                   | 30.3     | 46.7                | 31.7                 | 74.0               | 64.0               | 27.3           | 32.3            |

**Result: Pass**

Tested by: Marut Hninae

6.2 Test Item: Disturbance Power

6.2.1 Test Setup

- Test Specification

See 1 and 2.1

- Test Equipment

| Equipment Name    | Manufacture     | Model       | S/N        | Traceability | Due date |
|-------------------|-----------------|-------------|------------|--------------|----------|
| EMI Test Receiver | Rohde & Schwarz | ESU26       | 100572     | DKD          | 26-05-19 |
| Pre-Amplifier     | HP              | 8447FGPTH64 | 3113A05499 | NIMT         | 01-02-19 |
| Absorbing Clamp   | TESEQ           | AMZ41A      | 38694      | TESEQ        | 06-02-19 |

- Customer's Equipment

| Equipment Name | Manufacture | Model | S/N | Traceability | Due date |
|----------------|-------------|-------|-----|--------------|----------|
| -              | -           | -     | -   | -            | -        |

- Test Uncertainty:  $\pm 2.42$  dB

- Test Location: SR 2

- Test Environment

|   |    |                           |    |
|---|----|---------------------------|----|
| Cooling Mode Temperature: $30 \pm 5(^{\circ}\text{C})$  | 26 | Cooling Mode Humidity (%) | 55 |
| Heating Mode Temperature : $15 \pm 5(^{\circ}\text{C})$ | 17 | Heating Mode Humidity (%) | 52 |

- Test Setup Description

The disturbance power measurements were performed with the EMI receiver to measure the emission characteristics and to identify the frequency of emission that has the highest amplitude related to the EUT configuration for disturbance power testing. The EUT configuration, cable alignments, and EUT operation mode were determined for producing the maximum level of emissions.

The EUT was located at Shield room, which those closed to the absorbing slide bar. The power line of the EUT was fed through the absorbing clamp and ferrite clamp to the public main terminal AC as shown in FIGURE 4 and 5, respectively. The EMI receiver measured the noise signals from the EUT. The testing method and the EUT setup were performed according to EN55014-1:2017.

● Test Picture

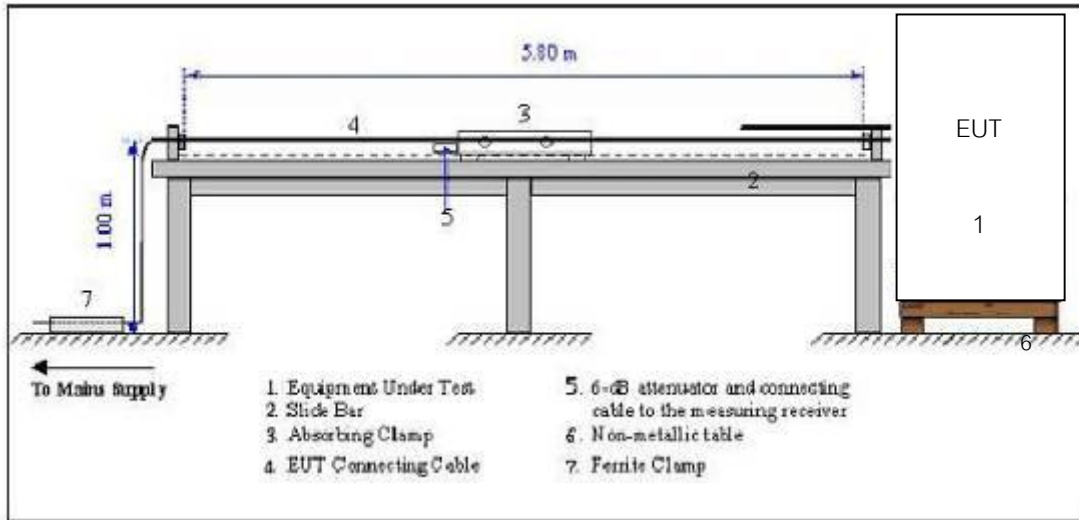


FIGURE 4 - The setup diagram.

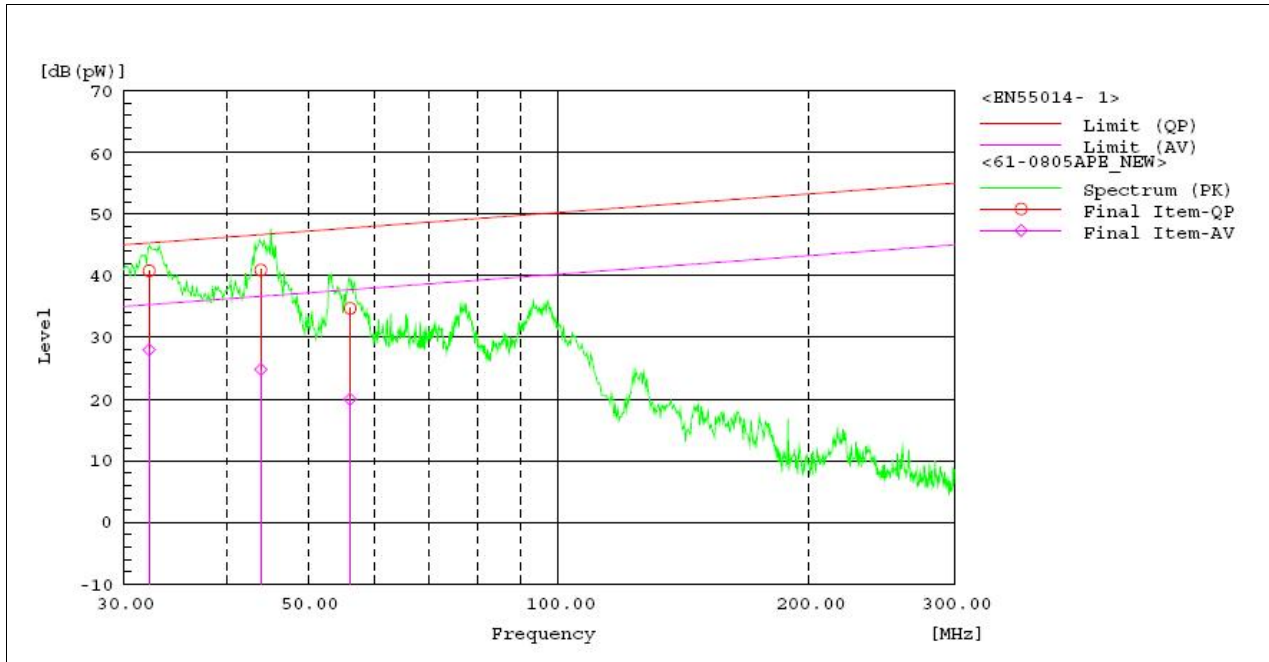


FIGURE 5 - The test setup picture.

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6.2.2 Test Result

|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | A (See 3.1) |
|------------------|---------|----------------|-------------|

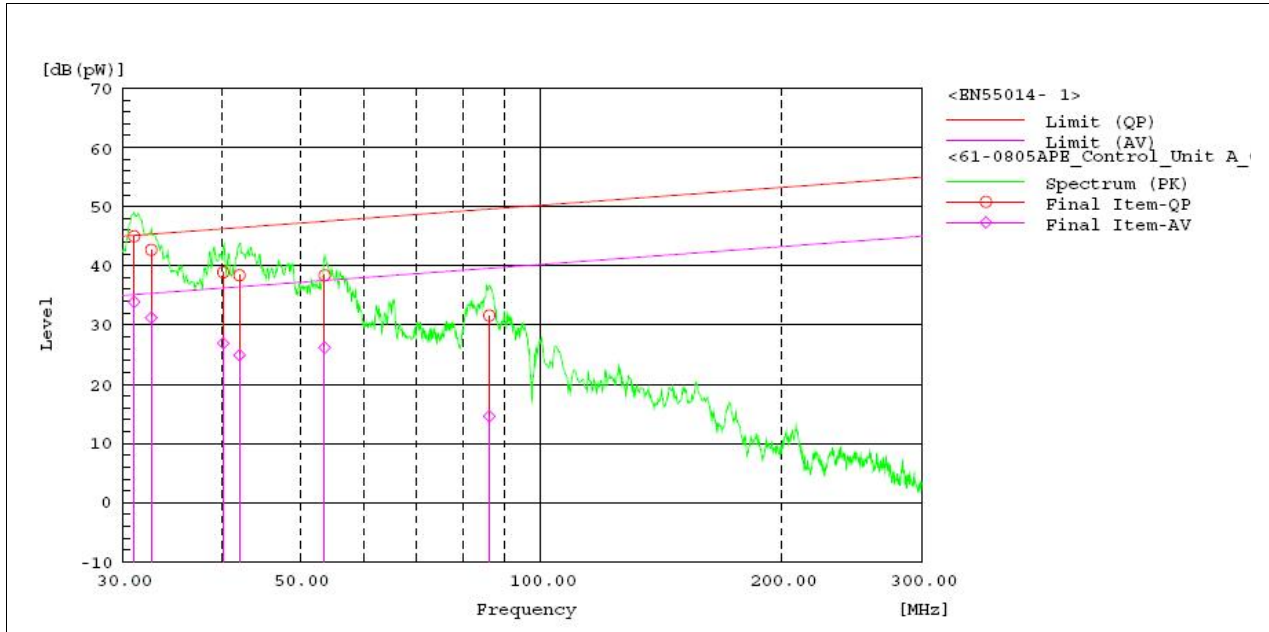


Measurement Result.

| 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   | 32.190          | 67.6                 | 54.8                 | -26.8    | 40.8                | 28.0                | 45.3               | 35.3               | 4.5            | 7.3            |
| 2   | 43.860          | 69.7                 | 53.6                 | -28.8    | 40.9                | 24.8                | 46.6               | 36.6               | 5.7            | 11.8           |
| 3   | 56.180          | 64.1                 | 49.4                 | -29.4    | 34.7                | 20.0                | 47.7               | 37.7               | 13.0           | 17.7           |

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|                  |           |                |             |
|------------------|-----------|----------------|-------------|
| Measurement Port | Control A | Operation Mode | A (See 3.1) |
|------------------|-----------|----------------|-------------|



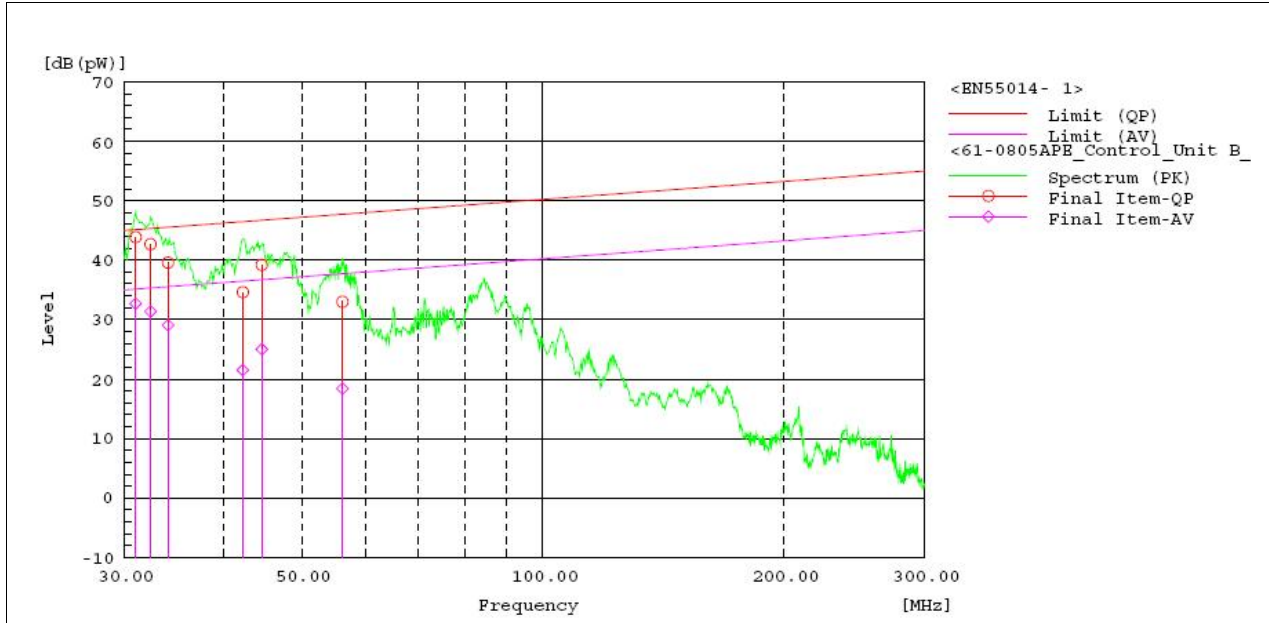
Measurement Result.

| 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   | 31.010          | 71.6                 | 60.5                 | -26.6     | 45.0                | 33.9                | 45.1               | 35.1               | 0.1            | 1.2            |
| 2   | 32.580          | 69.5                 | 58.0                 | -26.8     | 42.7                | 31.2                | 45.4               | 35.4               | 2.7            | 4.2            |
| 3   | 40.096          | 67.4                 | 55.4                 | -28.5     | 38.9                | 26.9                | 46.3               | 36.3               | 7.4            | 9.4            |
| 4   | 42.003          | 67.1                 | 53.6                 | -28.7     | 38.4                | 24.9                | 46.5               | 36.5               | 8.1            | 11.6           |
| 5   | 53.670          | 67.7                 | 55.5                 | -29.3     | 38.4                | 26.2                | 47.5               | 37.5               | 9.1            | 11.3           |
| 6   | 86.314          | 60.7                 | 43.7                 | -29.1     | 31.6                | 14.6                | 49.6               | 39.6               | 18.0           | 25.0           |

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|                  |           |                |             |
|------------------|-----------|----------------|-------------|
| Measurement Port | Control B | Operation Mode | A (See 3.1) |
|------------------|-----------|----------------|-------------|

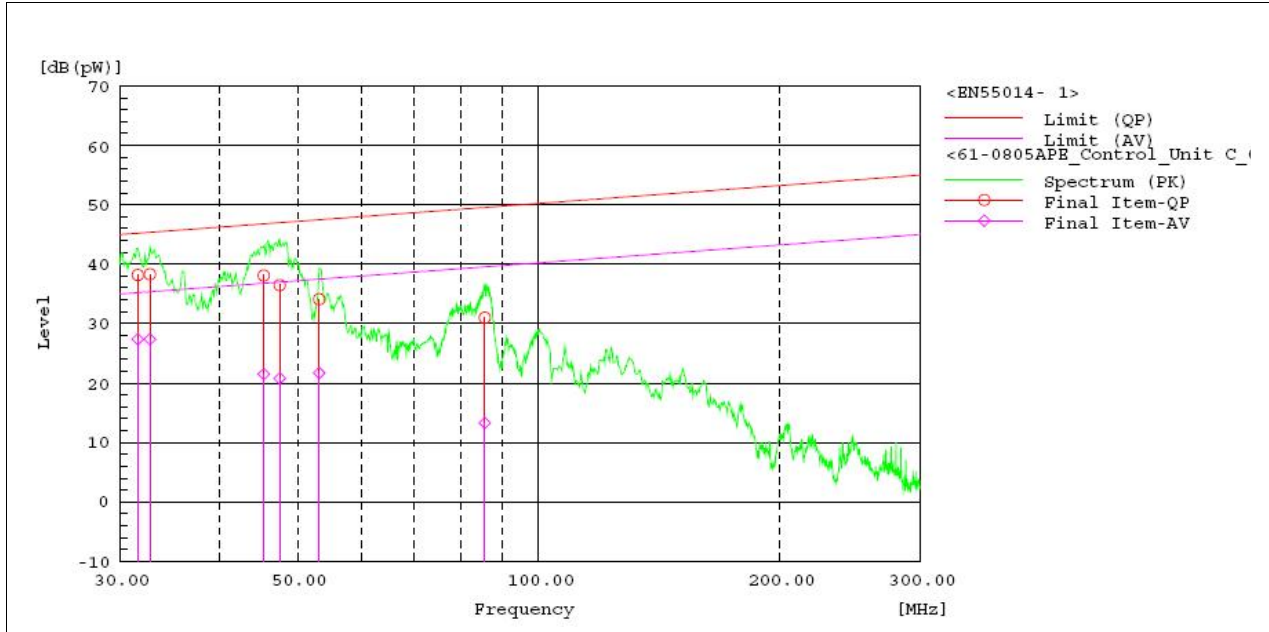


Measurement Result.

| 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   | 31.010          | 70.5                 | 59.3                 | -26.6    | 43.9                | 32.7                | 45.1               | 35.1               | 1.2            | 2.4            |
| 2   | 32.356          | 69.5                 | 58.2                 | -26.8    | 42.7                | 31.4                | 45.3               | 35.3               | 2.6            | 3.9            |
| 3   | 34.038          | 66.7                 | 56.2                 | -27.1    | 39.6                | 29.1                | 45.5               | 35.5               | 5.9            | 6.4            |
| 4   | 42.228          | 63.3                 | 50.2                 | -28.7    | 34.6                | 21.5                | 46.5               | 36.5               | 11.9           | 15.0           |
| 5   | 44.583          | 68.0                 | 53.8                 | -28.8    | 39.2                | 25.0                | 46.7               | 36.7               | 7.5            | 11.7           |
| 6   | 56.250          | 62.4                 | 47.8                 | -29.4    | 33.0                | 18.4                | 47.7               | 37.7               | 14.7           | 19.3           |

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|                  |           |                |             |
|------------------|-----------|----------------|-------------|
| Measurement Port | Control C | Operation Mode | A (See 3.1) |
|------------------|-----------|----------------|-------------|

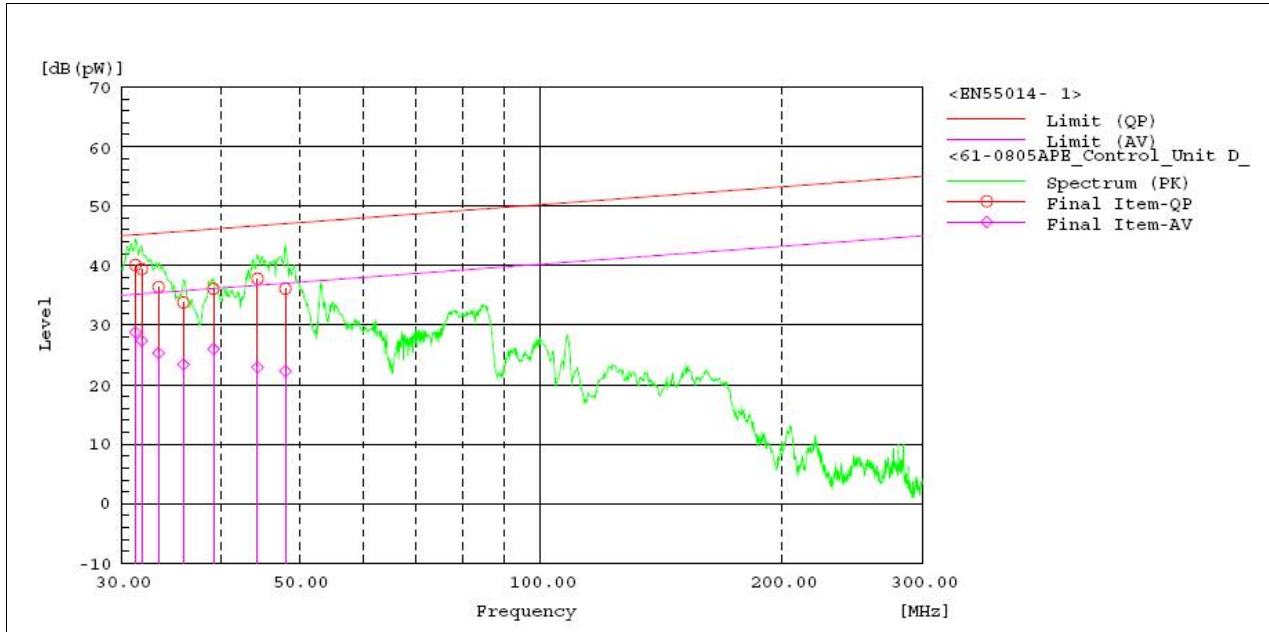


Measurement Result.

| 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          | 64.9                 | 54.1                 | -26.7    | 38.2                | 27.4                | 45.2               | 35.2               | 7.0            | 7.8            |
| 2   | 32.692          | 65.2                 | 54.3                 | -26.9    | 38.3                | 27.4                | 45.4               | 35.4               | 7.1            | 8.0            |
| 3   | 45.369          | 67.0                 | 50.4                 | -28.9    | 38.1                | 21.5                | 46.8               | 36.8               | 8.7            | 15.3           |
| 4   | 47.500          | 65.5                 | 49.8                 | -29.0    | 36.5                | 20.8                | 47.0               | 37.0               | 10.5           | 16.2           |
| 5   | 53.221          | 63.4                 | 51.0                 | -29.3    | 34.1                | 21.7                | 47.5               | 37.5               | 13.4           | 15.8           |
| 6   | 85.753          | 60.1                 | 42.4                 | -29.1    | 31.0                | 13.3                | 49.6               | 39.6               | 18.6           | 26.3           |

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|                  |           |                |             |
|------------------|-----------|----------------|-------------|
| Measurement Port | Control D | Operation Mode | A (See 3.1) |
|------------------|-----------|----------------|-------------|

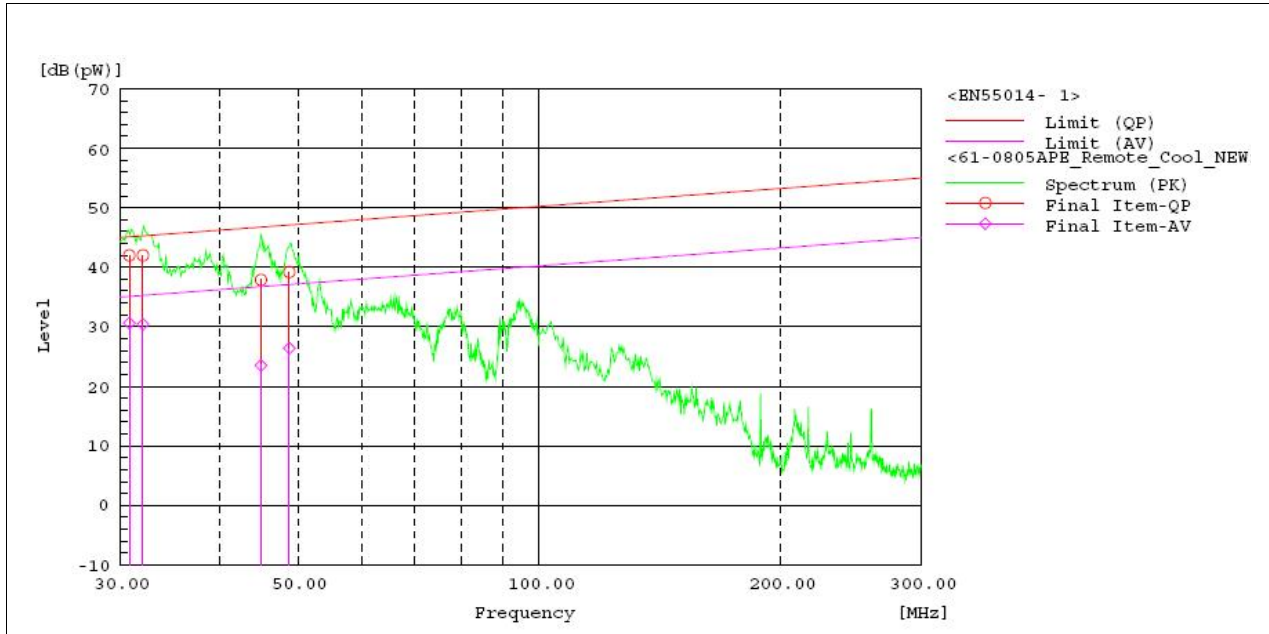


Measurement Result.

| No. | Frequency [MHz] | Reading QP [dB (pW)] | Reading AV [dB (pW)] | 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   | 31.234          | 66.7                 | 55.4                 | -26.6    | 40.1                | 28.8                | 45.2               | 35.2               | 5.1            | 6.4            |
| 2   | 31.795          | 66.1                 | 54.1                 | -26.7    | 39.4                | 27.4                | 45.3               | 35.3               | 5.9            | 7.9            |
| 3   | 33.365          | 63.4                 | 52.3                 | -27.0    | 36.4                | 25.3                | 45.5               | 35.5               | 9.1            | 10.2           |
| 4   | 35.833          | 61.3                 | 50.9                 | -27.5    | 33.8                | 23.4                | 45.8               | 35.8               | 12.0           | 12.4           |
| 5   | 39.087          | 64.4                 | 54.3                 | -28.3    | 36.1                | 26.0                | 46.1               | 36.1               | 10.0           | 10.1           |
| 6   | 44.359          | 66.6                 | 51.7                 | -28.8    | 37.8                | 22.9                | 46.7               | 36.7               | 8.9            | 13.8           |
| 7   | 48.061          | 65.2                 | 51.4                 | -29.1    | 36.1                | 22.3                | 47.0               | 37.0               | 10.9           | 14.7           |

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|                  |                 |                |             |
|------------------|-----------------|----------------|-------------|
| Measurement Port | Remote (Unit A) | Operation Mode | A (See 3.1) |
|------------------|-----------------|----------------|-------------|

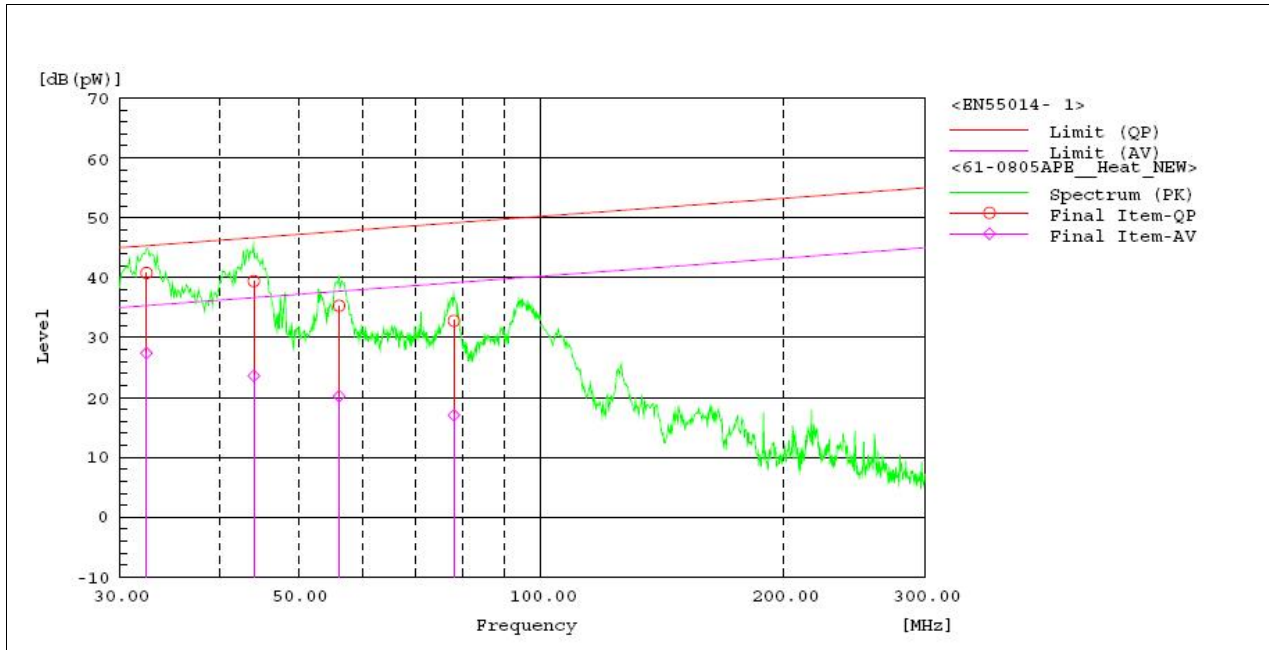


Measurement Result.

| 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   | 32.330          | 55.2                 | 44.7                 | -26.8    | 28.4                | 17.9                | 45.3               | 35.3               | 16.9           | 17.4           |
| 2   | 36.899          | 59.7                 | 49.1                 | -27.8    | 31.9                | 21.3                | 45.9               | 35.9               | 14.0           | 14.6           |
| 3   | 42.174          | 58.2                 | 46.9                 | -28.7    | 29.5                | 18.2                | 46.5               | 36.5               | 17.0           | 18.3           |
| 4   | 49.783          | 60.9                 | 45.9                 | -29.2    | 31.7                | 16.7                | 47.2               | 37.2               | 15.5           | 20.5           |
| 5   | 53.536          | 58.9                 | 47.6                 | -29.3    | 29.6                | 18.3                | 47.5               | 37.5               | 17.9           | 19.2           |
| 6   | 87.014          | 55.9                 | 43.7                 | -29.1    | 26.8                | 14.6                | 49.6               | 39.6               | 22.8           | 25.0           |

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|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

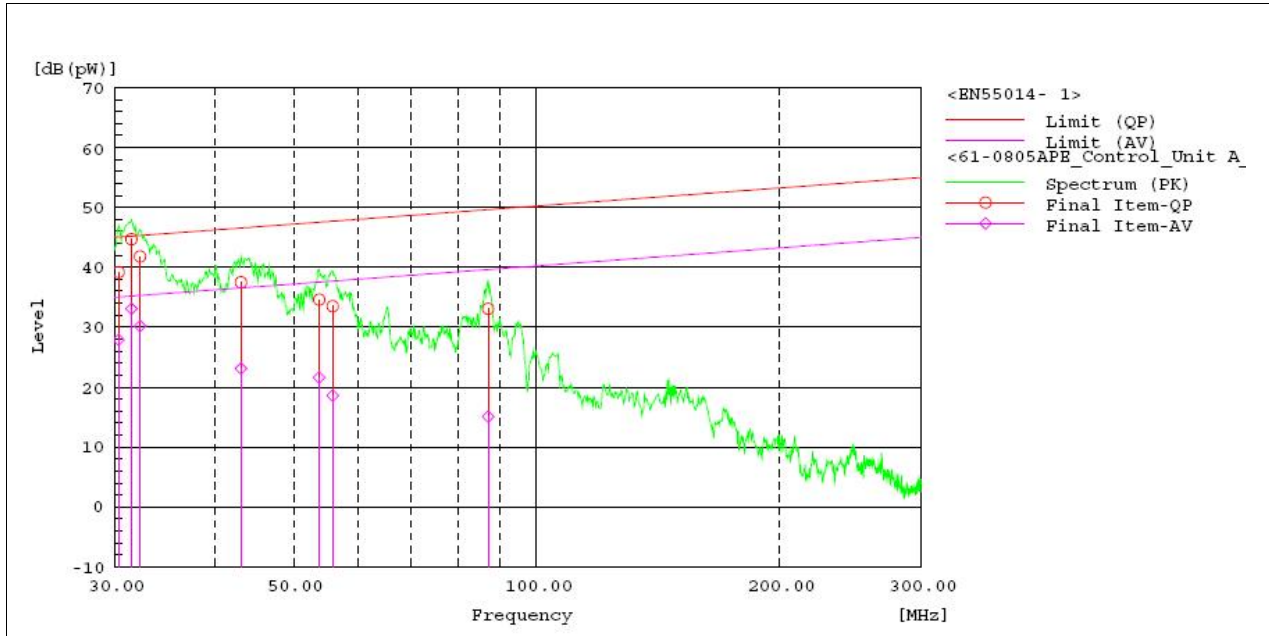


Measurement Result.

| 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   | 32.380          | 67.6                 | 54.2                 | -26.8    | 40.8                | 27.4                | 45.3               | 35.3               | 4.5            | 7.9            |
| 2   | 44.024          | 68.2                 | 52.4                 | -28.8    | 39.4                | 23.6                | 46.7               | 36.7               | 7.3            | 13.1           |
| 3   | 56.180          | 64.7                 | 49.6                 | -29.4    | 35.3                | 20.2                | 47.7               | 37.7               | 12.4           | 17.5           |
| 4   | 78.040          | 62.2                 | 46.4                 | -29.4    | 32.8                | 17.0                | 49.2               | 39.2               | 16.4           | 22.2           |

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|                  |           |                |             |
|------------------|-----------|----------------|-------------|
| Measurement Port | Control A | Operation Mode | D (See 3.1) |
|------------------|-----------|----------------|-------------|



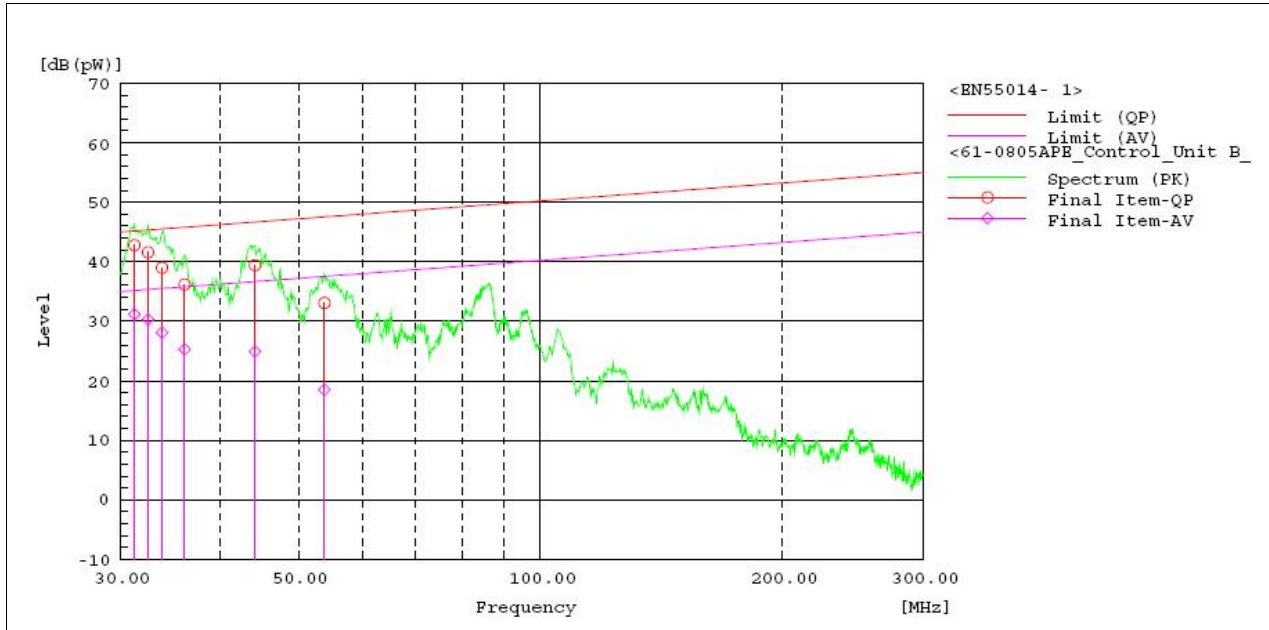
Measurement Result.

| 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   | 30.337          | 65.7                 | 54.4                 | -26.5    | 39.2                | 27.9                | 45.0               | 35.0               | 5.8            | 7.1            |
| 2   | 31.458          | 71.4                 | 59.8                 | -26.7    | 44.7                | 33.1                | 45.2               | 35.2               | 0.5            | 2.1            |
| 3   | 32.244          | 68.6                 | 57.0                 | -26.8    | 41.8                | 30.2                | 45.3               | 35.3               | 3.5            | 5.1            |
| 4   | 43.013          | 66.2                 | 51.8                 | -28.7    | 37.5                | 23.1                | 46.6               | 36.6               | 9.1            | 13.5           |
| 5   | 53.782          | 63.9                 | 50.9                 | -29.3    | 34.6                | 21.6                | 47.5               | 37.5               | 12.9           | 15.9           |
| 6   | 55.913          | 62.9                 | 48.0                 | -29.4    | 33.5                | 18.6                | 47.7               | 37.7               | 14.2           | 19.1           |
| 7   | 87.212          | 62.2                 | 44.2                 | -29.1    | 33.1                | 15.1                | 49.6               | 39.6               | 16.5           | 24.5           |

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|                  |           |                |             |
|------------------|-----------|----------------|-------------|
| Measurement Port | Control B | Operation Mode | D (See 3.1) |
|------------------|-----------|----------------|-------------|

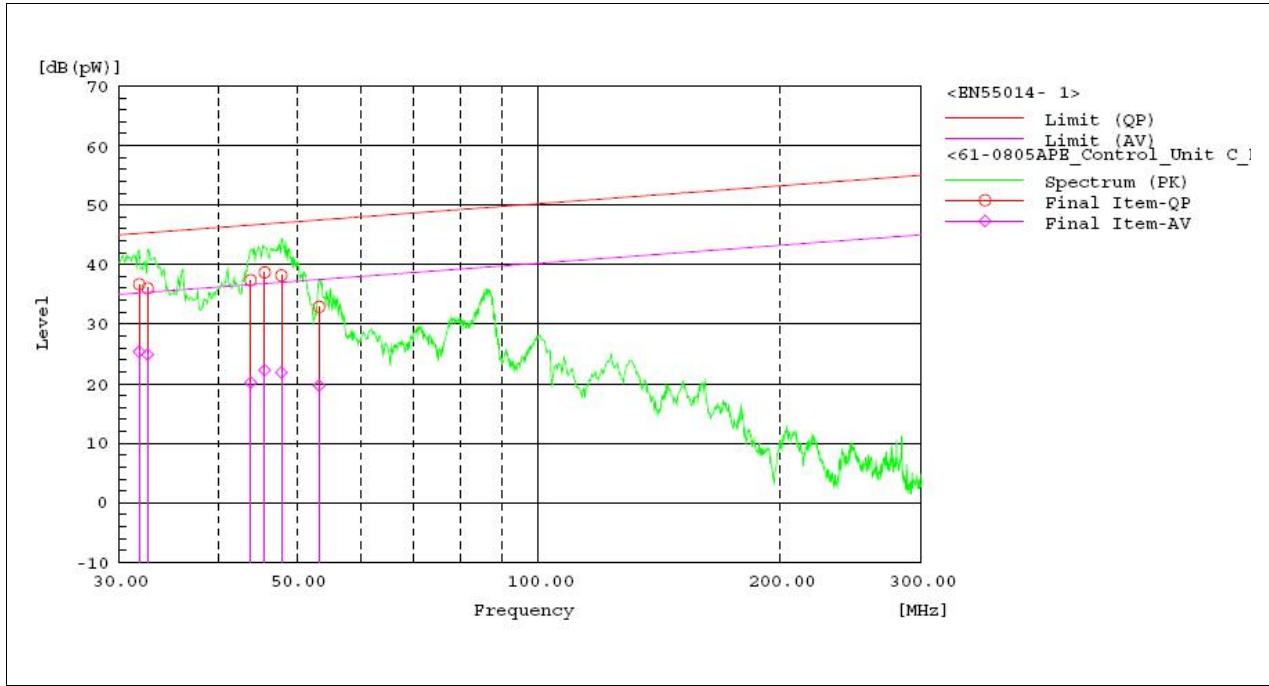


Measurement Result.

| 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   | 31.234          | 69.4                 | 57.8                 | -26.6     | 42.8                | 31.2                | 45.2               | 35.2               | 2.4            | 4.0            |
| 2   | 32.468          | 68.4                 | 57.1                 | -26.8     | 41.6                | 30.3                | 45.3               | 35.3               | 3.7            | 5.0            |
| 3   | 33.814          | 66.1                 | 55.2                 | -27.1     | 39.0                | 28.1                | 45.5               | 35.5               | 6.5            | 7.4            |
| 4   | 36.058          | 63.7                 | 52.8                 | -27.5     | 36.2                | 25.3                | 45.8               | 35.8               | 9.6            | 10.5           |
| 5   | 44.135          | 68.2                 | 53.7                 | -28.8     | 39.4                | 24.9                | 46.7               | 36.7               | 7.3            | 11.8           |
| 6   | 53.894          | 62.4                 | 47.8                 | -29.3     | 33.1                | 18.5                | 47.5               | 37.5               | 14.4           | 19.0           |

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|                  |           |                |             |
|------------------|-----------|----------------|-------------|
| Measurement Port | Control C | Operation Mode | D (See 3.1) |
|------------------|-----------|----------------|-------------|

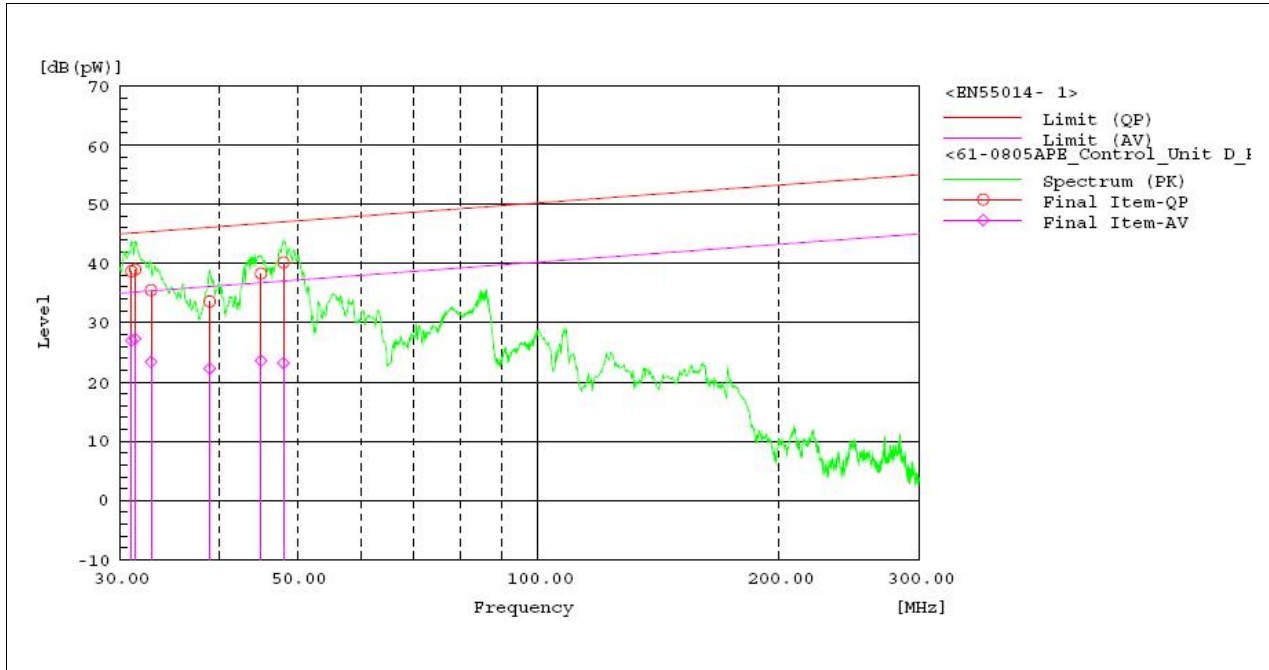


Measurement Result.

| 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   | 31.795          | 63.4                 | 52.1                 | -26.7    | 36.7                | 25.4                | 45.3               | 35.3               | 8.6            | 9.9            |
| 2   | 32.580          | 62.8                 | 51.7                 | -26.8    | 36.0                | 24.9                | 45.4               | 35.4               | 9.4            | 10.5           |
| 3   | 43.798          | 66.2                 | 49.0                 | -28.8    | 37.4                | 20.2                | 46.6               | 36.6               | 9.2            | 16.4           |
| 4   | 45.593          | 67.6                 | 51.2                 | -28.9    | 38.7                | 22.3                | 46.8               | 36.8               | 8.1            | 14.5           |
| 5   | 47.837          | 67.3                 | 51.0                 | -29.1    | 38.2                | 21.9                | 47.0               | 37.0               | 8.8            | 15.1           |
| 6   | 53.330          | 62.2                 | 49.0                 | -29.3    | 32.9                | 19.7                | 47.5               | 37.5               | 14.6           | 17.8           |

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|                  |           |                |             |
|------------------|-----------|----------------|-------------|
| Measurement Port | Control D | Operation Mode | D (See 3.1) |
|------------------|-----------|----------------|-------------|

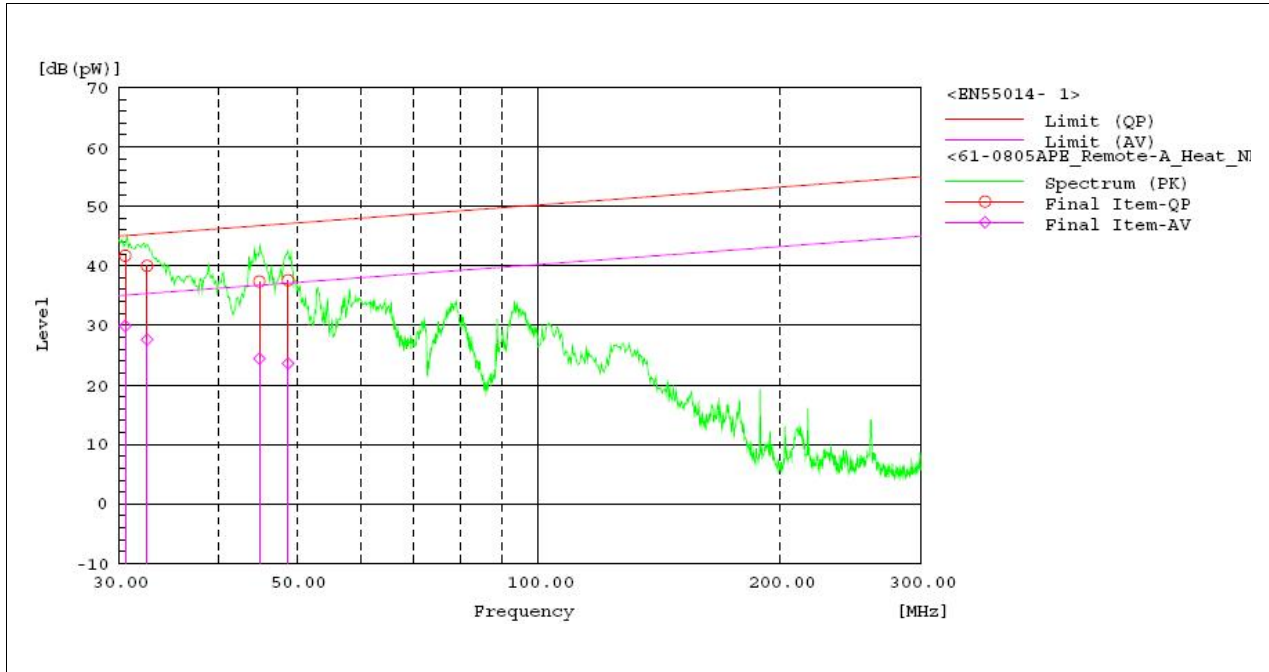


Measurement Result.

| No. | Frequency [MHz] | Reading QP [dB (pW)] | Reading AV [dB (pW)] | 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   | 31.010          | 65.3                 | 53.6                 | -26.6    | 38.7                | 27.0                | 45.1               | 35.1               | 6.4            | 8.1            |
| 2   | 31.346          | 65.6                 | 53.9                 | -26.6    | 39.0                | 27.3                | 45.2               | 35.2               | 6.2            | 7.9            |
| 3   | 32.804          | 62.4                 | 50.3                 | -26.9    | 35.5                | 23.4                | 45.4               | 35.4               | 9.9            | 12.0           |
| 4   | 38.862          | 61.8                 | 50.5                 | -28.2    | 33.6                | 22.3                | 46.1               | 36.1               | 12.5           | 13.8           |
| 5   | 45.032          | 67.2                 | 52.5                 | -28.9    | 38.3                | 23.6                | 46.8               | 36.8               | 8.5            | 13.2           |
| 6   | 48.061          | 69.3                 | 52.3                 | -29.1    | 40.2                | 23.2                | 47.0               | 37.0               | 6.8            | 13.8           |

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|                  |                 |                |             |
|------------------|-----------------|----------------|-------------|
| Measurement Port | Remote (Unit A) | Operation Mode | D (See 3.1) |
|------------------|-----------------|----------------|-------------|



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   | 30.560          | 68.2                 | 56.4                 | -26.5    | 41.7                | 29.9                | 45.1               | 35.1               | 3.4            | 5.2            |
| 2   | 32.520          | 66.8                 | 54.4                 | -26.8    | 40.0                | 27.6                | 45.4               | 35.4               | 5.4            | 7.8            |
| 3   | 44.900          | 66.3                 | 53.3                 | -28.9    | 37.4                | 24.4                | 46.8               | 36.8               | 9.4            | 12.4           |
| 4   | 48.760          | 66.7                 | 52.7                 | -29.1    | 37.6                | 23.6                | 47.1               | 37.1               | 9.5            | 13.5           |

**Result: Pass**

Tested by: Marut Hninae

## 6.3 Test Item: Discontinuous Disturbance

## 6.3.1 Test Setup

## Ñ Test Specification

See 1 and 2.1

## Ñ Test Equipment

| Equipment Name | Manufacture | Model | S/N         | Traceability | Due date |
|----------------|-------------|-------|-------------|--------------|----------|
| Click Analyzer | AFJ         | CL55C | 55040019052 | UKAS         | 10-09-18 |
| LISN           | TESEQ       | NNB52 | 36109       | NIMT         | 01-02-19 |

## Ñ Customer's Equipment

| Equipment Name | Manufacture | Model | S/N | Traceability | Due date |
|----------------|-------------|-------|-----|--------------|----------|
| -              | -           | -     | -   | -            | -        |

Ñ Test Uncertainty:  $\pm 3.70$  dB

## Ñ Test Location: SR 2

## Ñ Test Environment

|  |    |                           |    |
|--|----|---------------------------|----|
| Cooling Mode Temperature: $30 \pm 5(^{\circ}\text{C})$ | 27 | Cooling Mode Humidity (%) | 52 |
| Heating Mode Temperature: $15 \pm 5(^{\circ}\text{C})$ | 17 | Heating Mode Humidity (%) | 56 |

## Ñ Test Setup Description

The discontinuous disturbance measurement was performed with CLICK Analyzer to measure the click noise. The EUT configuration setup is shown in FIGURE 6 and 7, respectively. The testing method and the EUT setup were performed according to EN55014-1:2017.

The end of the power cord was connected to LISN at 80 cm. from the EUT. The ground connector of the LISN was connected to the ground of manufacturer.

$\vec{N}$  Test Picture

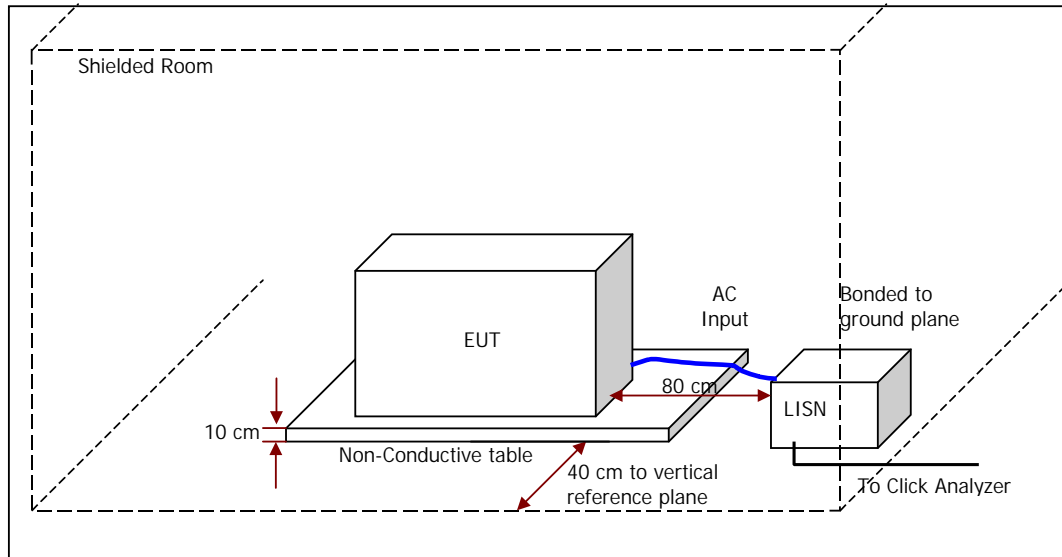


FIGURE 6 - The test setup diagram.



FIGURE 7 - The test setup picture.

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6.3.2 Test Result

|                   |            |            |            |                |             |
|-------------------|------------|------------|------------|----------------|-------------|
| Measurement Port  | AC Main    |            |            | Operation Mode | A (See 3.1) |
|                   | Rx1 150KHz | Rx2 500KHz | Rx3 1.4MHz | Rx4 30MHz      |             |
| Short             | 0          | 0          | 0          | 0              |             |
| Long              | 0          | 0          | 0          | 0              |             |
| Fast Long (<020)  | 0          | 0          | 0          | 0              |             |
| Total Clicks      | 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              |             |
| Limit dB $\mu$ V  | 55.9       | 55.9       | 55.9       | 55.9           |             |
| N                 | 0.0        | 0.0        | 0.0        | 0.0            |             |
| Offsets           | 50dB       | 50dB       | 50dB       | 50dB           |             |
| Pass              | 0          | 0          | 0          | 0              |             |
| Duration of Test  | 20:02.8    | 20:02.8    | 20:02.8    | 20:02.8        |             |
| Limit dB $\mu$ V  | 89.9       | 89.9       | 89.9       | 89.9           |             |
| Allowed Clicks    | 0          | 0          | 0          | 0              |             |
| Remote            | NONE       |            |            |                |             |
| Input Att.        | 0          |            |            |                |             |
| Extern. Att.      | 10 dB      |            |            |                |             |
| Rx1 150KHz        | No Clicks  |            |            |                |             |
| Rx2 500KHz        | No Clicks  |            |            |                |             |
| Rx3 1.4MHz        | No Clicks  |            |            |                |             |
| Rx4 30MHz         | No Clicks  |            |            |                |             |
| Status            | PASS       |            |            |                |             |

This test report is test results from the EUT only, not the product's quality certificate. It shall not be reproduced except in full without the written approval of testing laboratory.

|                  |         |                |             |
|------------------|---------|----------------|-------------|
| Measurement Port | AC Main | Operation Mode | D (See 3.1) |
|------------------|---------|----------------|-------------|

|                   | Rx1 150KHz | Rx2 500KHz | Rx3 1.4MHz | Rx4 30MHz |
|-------------------|------------|------------|------------|-----------|
| Short             | 0          | 0          | 0          | 0         |
| Long              | 0          | 0          | 0          | 0         |
| Fast Long (<020)  | 0          | 0          | 0          | 0         |
| Total Clicks      | 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         |
| Limit dB $\mu$ V  | 55.9       | 55.9       | 55.9       | 55.9      |
| N                 | 0.0        | 0.0        | 0.0        | 0.0       |
| Offsets           | 50dB       | 50dB       | 50dB       | 50dB      |
| Pass              | 0          | 0          | 0          | 0         |
| Duration of Test  | 20:02.8    | 20:02.8    | 20:02.8    | 20:02.8   |
| Limit dB $\mu$ V  | 89.9       | 89.9       | 89.9       | 89.9      |
| Allowed Clicks    | 0          | 0          | 0          | 0         |
| Remote            | NONE       |            |            |           |
| Input Att.        | 0          |            |            |           |
| Extern. Att.      | 10 dB      |            |            |           |
| Rx1 150KHz        | No Clicks  |            |            |           |
| Rx2 500KHz        | No Clicks  |            |            |           |
| Rx3 1.4MHz        | No Clicks  |            |            |           |
| Rx4 30MHz         | No Clicks  |            |            |           |
| Status            | PASS       |            |            |           |

**Result: Pass**

Tested by: Marut Hninae

----- End of Report -----