



Test report No:  
25A0259R.701A

## FCC TEST REPORT

|                                             |                                                                                                                   |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Product Name                                | Wireless Phone Charger                                                                                            |
| Model and /or type reference                | WC8                                                                                                               |
| Trademark                                   | Tesla                                                                                                             |
| FCC ID                                      | 2AEIM-WC8                                                                                                         |
| Applicant's name / address                  | Tesla, Inc<br>3500 Deer Creek Road, Palo Alto, 94304 California, United State                                     |
| Test method requested, standard             | 47 CFR FCC Part 15 (Section 15.225)<br>ANSI C63.10: 2020                                                          |
| Verdict Summary                             | IN COMPLIANCE                                                                                                     |
| Documented by (name / position & signature) | Tim Cao / Project Manager<br>  |
| Approved by (name / position & signature)   | Frank He/Technical Manager<br> |
| Date of issue                               | 2025-12-05                                                                                                        |
| Report Version                              | V1.0                                                                                                              |
| Report template No                          | Template_FCC 15.225-RF-V1.0                                                                                       |

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## COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

**IMPORTANT:** No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

## GENERAL CONDITIONS

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Test Location        | No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China |
| Date(receive sample) | Oct. 15, 2025                                                          |
| Date (start test)    | Oct. 22, 2025                                                          |
| Date (finish test)   | Nov.19, 2025                                                           |

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

## ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

|                       |               |
|-----------------------|---------------|
| Ambient temperature   | 15 °C – 35 °C |
| Relative Humidity air | 30% - 60%     |

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

## POSSIBLE TEST CASE VERDICTS

|                                         |                 |
|-----------------------------------------|-----------------|
| Test case does not apply to test object | N/A             |
| Test object does meet requirement       | P (Pass) / PASS |
| Test object does not meet requirement   | F (Fail) / FAIL |
| Not measured                            | N/M             |

## ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

|       |                               |
|-------|-------------------------------|
| EUT   | : Equipment Under Test        |
| QP    | : Quasi-Peak                  |
| CAV   | : CISPR Average               |
| AV    | : Average                     |
| CDN   | : Coupling Decoupling Network |
| SAC   | : Semi-Anechoic Chamber       |
| OATS  | : Open Area Test Site         |
| BW    | : Bandwidth                   |
| AM    | : Amplitude Modulation        |
| PM    | : Pulse Modulation            |
| HCP   | : Horizontal Coupling Plane   |
| VCP   | : Vertical Coupling Plane     |
| $U_N$ | : Nominal voltage             |
| $T_x$ | : Transmitter                 |
| $R_x$ | : Receiver                    |
| N/A   | : Not Applicable              |
| N/M   | : Not Measured                |

## DOCUMENT HISTORY

| Report No.    | Version | Description              | Issued Date |
|---------------|---------|--------------------------|-------------|
| 25A0259R.701A | V1.0    | Initial issue of report. | 2025-12-05  |
|               |         |                          |             |
|               |         |                          |             |
|               |         |                          |             |
|               |         |                          |             |
|               |         |                          |             |
|               |         |                          |             |
|               |         |                          |             |
|               |         |                          |             |

## REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with 47 CFR FCC Part 15 (Section 15.225).
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
  - Chapter 1 General Description of the Item(s);

## USED EQUIPMENT

Field Strength of Fundamental, E-field Emission/ Field Strength of Spurious/ Frequency Stability/ Emission Bandwidth (9KHz-1GHz) / AC2

| Instrument                 | Manufacturer | Model No. | Serial No. | Cal. Date  | Next Cal. Date | Firmware Version | Software version |
|----------------------------|--------------|-----------|------------|------------|----------------|------------------|------------------|
| EMI Test Receiver          | R&S          | ESCI      | 100573     | 2025.01.11 | 2026.01.10     | 4.42 SP3         | N/A              |
| Loop Antenna               | R&S          | HFH2-Z2E  | 101149     | 2025.04.16 | 2026.04.15     | N/A              | N/A              |
| Bilog Antenna              | Teseq GmbH   | CBL6112D  | 27611      | 2025.03.24 | 2026.03.23     | N/A              | N/A              |
| Temperature/Humidity Meter | RTS          | RTS-8S    | AC2-TH     | 2025.06.17 | 2026.06.16     | N/A              | N/A              |
| Coaxial Cable              | Huber+Suhner | RTS-1909  | THM-021    | 2025.04.30 | 2026.04.29     | N/A              | N/A              |
| Anechoic chamber           | Quietek      | 9m*6m*6m  | AC2        | 2024.07.07 | 2029.07.06     | N/A              | N/A              |
| Dekra test software        | Dekra        | N/A       | N/A        | N/A        | N/A            | N/A              | 3                |

AC Power Line Conducted Emission / TR1

| Instrument                      | Manufacturer | Model No.  | Serial No. | Cal. Date  | Next Cal. Date | Firmware Version | Software version |
|---------------------------------|--------------|------------|------------|------------|----------------|------------------|------------------|
| EMI Test Receiver               | R&S          | ESCI       | 100726     | 2025.05.18 | 2026.05.17     | 4.42 SP1         | N/A              |
| Two-Line V-Network              | R&S          | ENV 216    | 101044     | 2024.10.26 | 2025.10.25     | N/A              | N/A              |
| Two-Line V-Network              | R&S          | ENV 216    | 101044     | 2025.09.20 | 2026.09.19     | N/A              | N/A              |
| Two-Line V-Network              | R&S          | ENV 216    | 101189     | 2025.05.10 | 2026.05.09     | N/A              | N/A              |
| 50ohm Coaxial Switch            | Anritsu      | MP59B      | 6200464462 | 2025.03.16 | 2026.03.15     | N/A              | N/A              |
| Coaxial Cable                   | Huber+Suhner | RG 223     | TR1-C1     | 2025.03.16 | 2026.03.15     | N/A              | N/A              |
| Impedance Stabilization Network | Teseq GmbH   | ISN T800   | 57318      | 2025.02.25 | 2026.02.24     | N/A              | N/A              |
| Temperature/Humidity Meter      | RTS          | RTS-8S     | EMC01      | 2025.06.17 | 2026.06.16     | N/A              | N/A              |
| Shielding room                  | Quietek      | 4.9m*4m*3m | TR1        | 2023.03.04 | 2028.03.03     | N/A              | N/A              |
| Dekra test software             | Dekra        | N/A        | N/A        | N/A        | N/A            | N/A              | N/A              |

## UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%.

| Test item                        | Uncertainty                                                        |
|----------------------------------|--------------------------------------------------------------------|
| AC Power Line Conducted Emission | $\pm 2.02$ dB                                                      |
| Radiated Emission(9KHz~30MHz)    | Horizontal: 9KHz~30MHz: 2.10 dB<br>Vertical: 30MHz~200MHz: 2.30 dB |
| Radiated Emission(30MHz~1GHz)    | $\pm 3.80$ dB                                                      |
| Occupied Bandwidth               | $\pm 1$ kHz                                                        |

## 1 GENERAL INFORMATION

### 1.1 General Description of the Item(s)

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| Product Name:                 | Wireless Phone Charger                                          |
| Model Name:                   | WC8                                                             |
| Trademark.:                   | Tesla                                                           |
| Power Supply:                 | 15.5V                                                           |
| Manufacturer:                 | Tesla, Inc                                                      |
| Manufacturer Address:         | 3500 Deer Creek Road, Palo Alto, 94304 California, United State |
| Test Sample:                  | LXS25223000028                                                  |
| Wireless Specification:       | NFC                                                             |
| Operating frequency range(s): | 13.56 MHz                                                       |
| Type of modulation:           | ASK                                                             |
| Antenna Type:                 | Coil Antenna                                                    |

Remark:

As above information is provided and confirmed by the applicant. DEKRA is not liable to the accuracy, suitability, reliability or/and integrity of the information.

## 2 DESCRIPTION OF TEST SETUP

| Auxiliary equipment | Type / Version | Manufacturer | Supplied by |
|---------------------|----------------|--------------|-------------|
| NFC Card            | N/A            | N/A          | N/A         |
| software            | Type / Version | Manufacturer | Supplied by |
| N/A                 | N/A            | N/A          | N/A         |

### 3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

#### 3.1 Standards

| Standard                                             | Year | Description                                                                                       |
|------------------------------------------------------|------|---------------------------------------------------------------------------------------------------|
| FCC CFR Title 47 Part 15<br>Subpart C Section 15.225 | 2024 | Operation within the band 13.110-14.010 MHz                                                       |
| ANSI C63.10                                          | 2020 | American National Standard of Procedures for Compliance<br>Testing of Unlicensed Wireless Devices |

### 3.2 Overview of results

| Requirement – Test case                                                                                                         | Basic standard(s)                                                | Verdict | Remark                                      |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------|---------------------------------------------|
| Field Strength of Fundamental, E-field Emission                                                                                 | FCC CFR Title 47 Part 15 Subpart C<br>Section 15.225(a)(b)(c)    | PASS    | Test data please refer to <b>Appendix A</b> |
| Field Strength of Spurious                                                                                                      | FCC CFR Title 47 Part 15 Subpart C<br>Section 15.209 & 15.225(d) | PASS    | Test data please refer to <b>Appendix B</b> |
| Emission Bandwidth                                                                                                              | FCC CFR Title 47 Part 15 Subpart C<br>Section 15.215(c)          | PASS    | Test data please refer to <b>Appendix C</b> |
| Frequency Stability                                                                                                             | FCC CFR Title 47 Part 15 Subpart C<br>Section 15.225(e)          | PASS    | Test data please refer to <b>Appendix D</b> |
| Antenna Requirement                                                                                                             | FCC CFR Title 47 Part 15 Subpart C<br>Section 15.203             | PASS    | ---                                         |
| Note: The radiation measurement is pre tested under X, Y, and Z axis positioning to find the worst placement for final testing. |                                                                  |         |                                             |

### 3.3 Test Facility

**USA : FCC Designation Number: CN1199**

## 4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

### 4.1 AC Power Line Conducted Emission

**VERDICT: NA**

#### 4.1.1 Limit

| Standard              | FCC Part 15 Subpart C Paragraph 15.207 |                                   |
|-----------------------|----------------------------------------|-----------------------------------|
| Frequency range [MHz] | Limit: QP [dB(μV) <sup>1)</sup> ]      | Limit: AV [dB(μV) <sup>1)</sup> ] |
| 0,15 - 0,50           | 66 - 56 <sup>2)</sup>                  | 56 - 46 <sup>2)</sup>             |
| 0,50 - 5,0            | 56                                     | 46                                |
| 5,0 - 30              | 60                                     | 50                                |

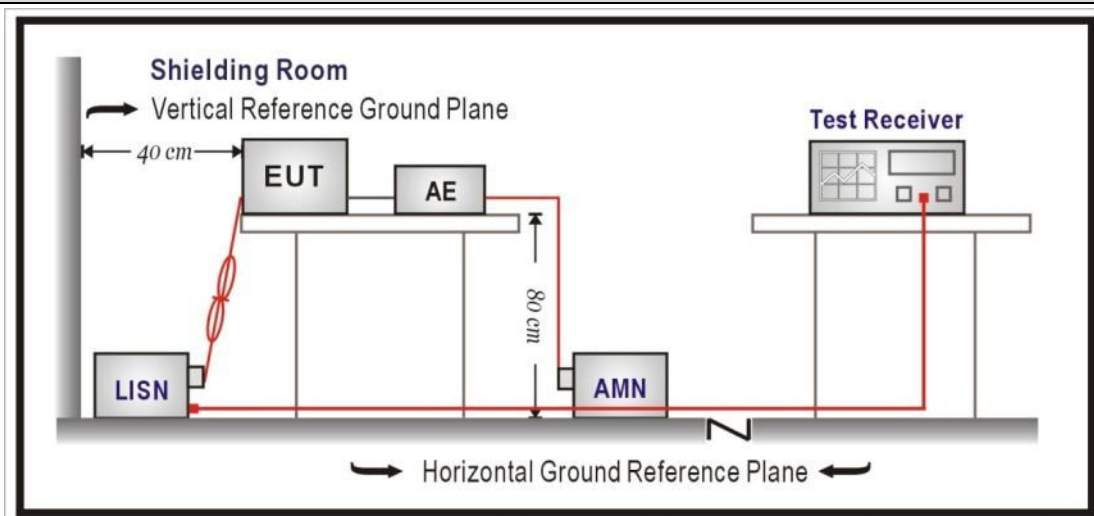
<sup>1)</sup> At the transition frequency, the lower limit applies.

<sup>2)</sup> The limit decreases linearly with the logarithm of the frequency.

**NOTE 1:** The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.

**NOTE 2:** Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

#### 4.1.2 Test Setup



#### 4.1.3 Test Procedure

|                                     | References Rule | Chapter | Item                                                                                        |
|-------------------------------------|-----------------|---------|---------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10     | 6.2     | Standard test method for ac power-line conducted emissions from unlicensed wireless devices |

**4.2 E-field Emission****VERDICT: PASS****4.2.1 Limit**

|                 |                                         |
|-----------------|-----------------------------------------|
| <b>Standard</b> | FCC Part 15 Subpart C Paragraph 15.225; |
|-----------------|-----------------------------------------|

(a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.

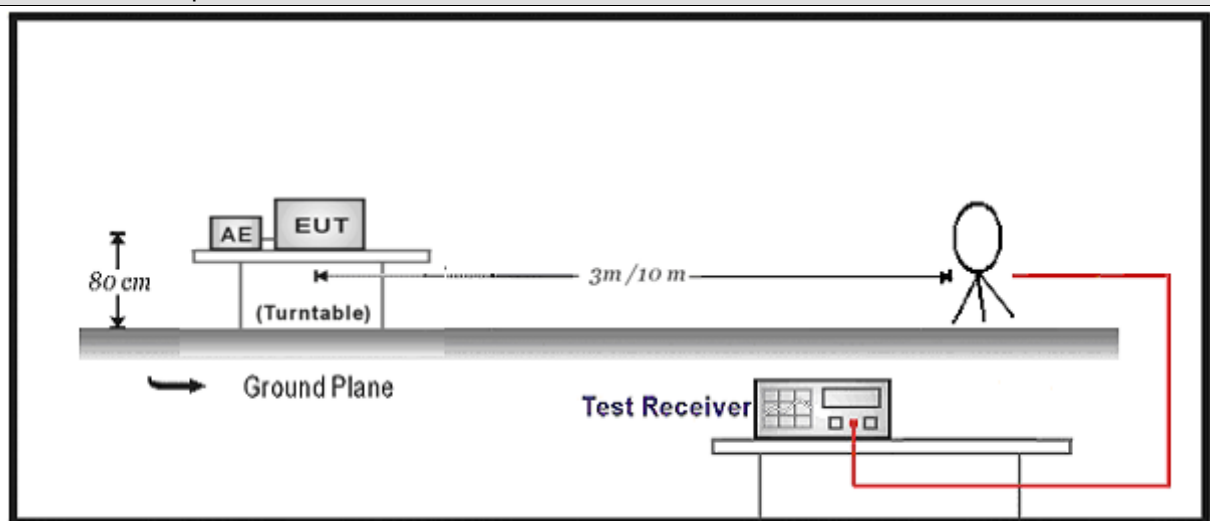
(b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

(c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

(d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

**4.2.2 Test Setup**

Below 30MHz Test Setup:

**4.2.3 Test Procedure**

|                                     | References Rule | Chapter | Description                                                                                      |
|-------------------------------------|-----------------|---------|--------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10     | 6.4     | Radiated emissions from unlicensed wireless devices below 30 MHz                                 |
| <input type="checkbox"/>            | ANSI C63.10     | 6.5     | Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz |
| <input type="checkbox"/>            | ANSI C63.10     | 6.6     | Radiated emissions from unlicensed wireless devices above 1 GHz                                  |

**4.3 Field Strength of Spurious****VERDICT: PASS****4.3.1 Limit****Standard**

FCC Part 15 Subpart C Paragraph 15. 209;

**Restricted Band Emissions Limit**

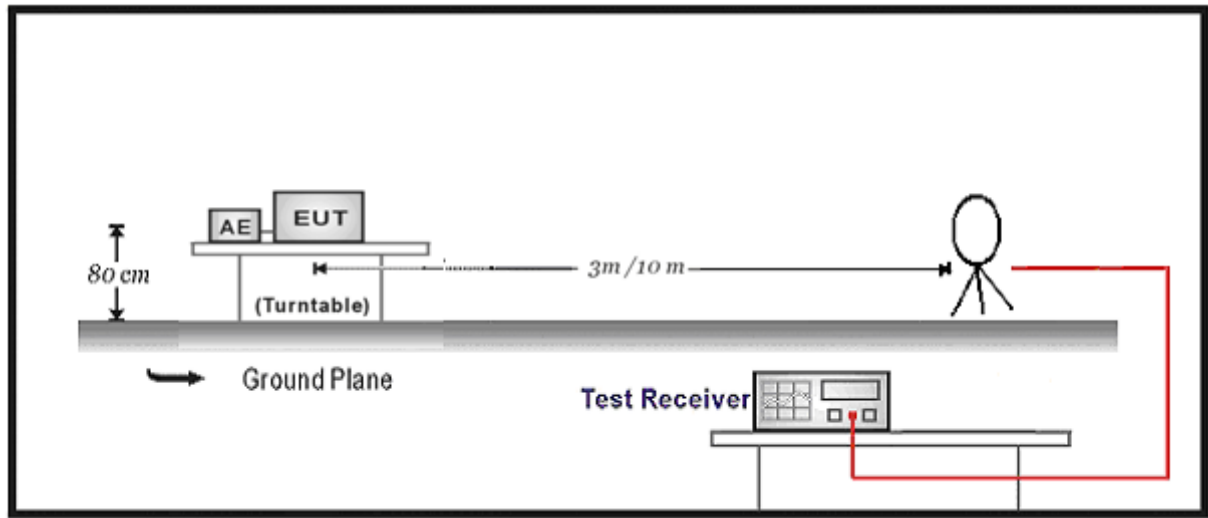
| Frequency (MHz) | Field strength ( $\mu$ V/m) | Field strength (dB $\mu$ V/m) | Measurement distance (m) |
|-----------------|-----------------------------|-------------------------------|--------------------------|
| 0.009 - 0.49    | 2400/F(kHz)                 | 48.5 – 13.8                   | 300 <sub>(Note 1)</sub>  |
| 0.49 - 1.705    | 24000/F(kHz)                | 33.8 - 23                     | 30 <sub>(Note 1)</sub>   |
| 1.705 - 30      | 30                          | 29.5                          | 30 <sub>(Note 1)</sub>   |
| 30 - 88         | 100                         | 40                            | 3 <sub>(Note 2)</sub>    |
| 88 - 216        | 150                         | 43.5                          | 3 <sub>(Note 2)</sub>    |
| 216 - 960       | 200                         | 46                            | 3 <sub>(Note 2)</sub>    |
| Above 960       | 500                         | 54                            | 3 <sub>(Note 2)</sub>    |

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

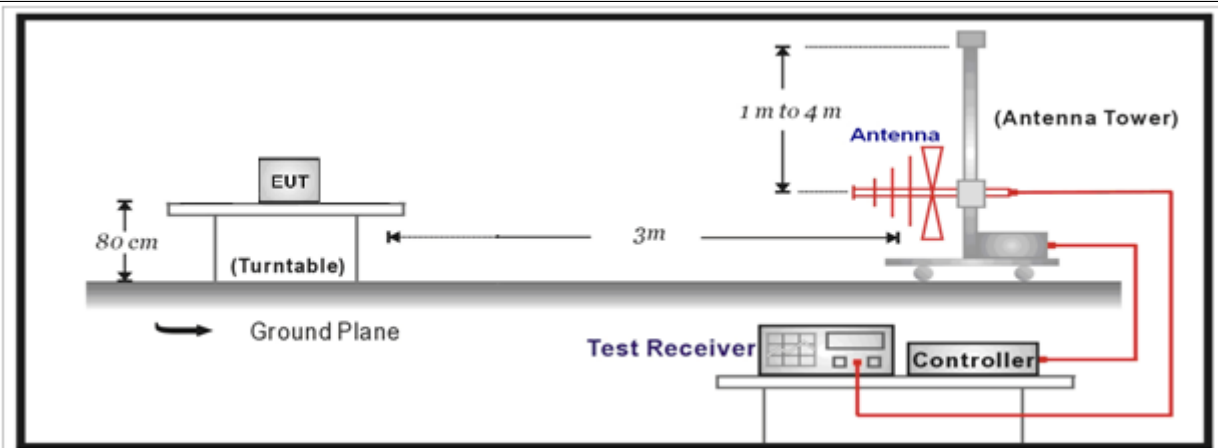
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

### 4.3.2 Test Setup

Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



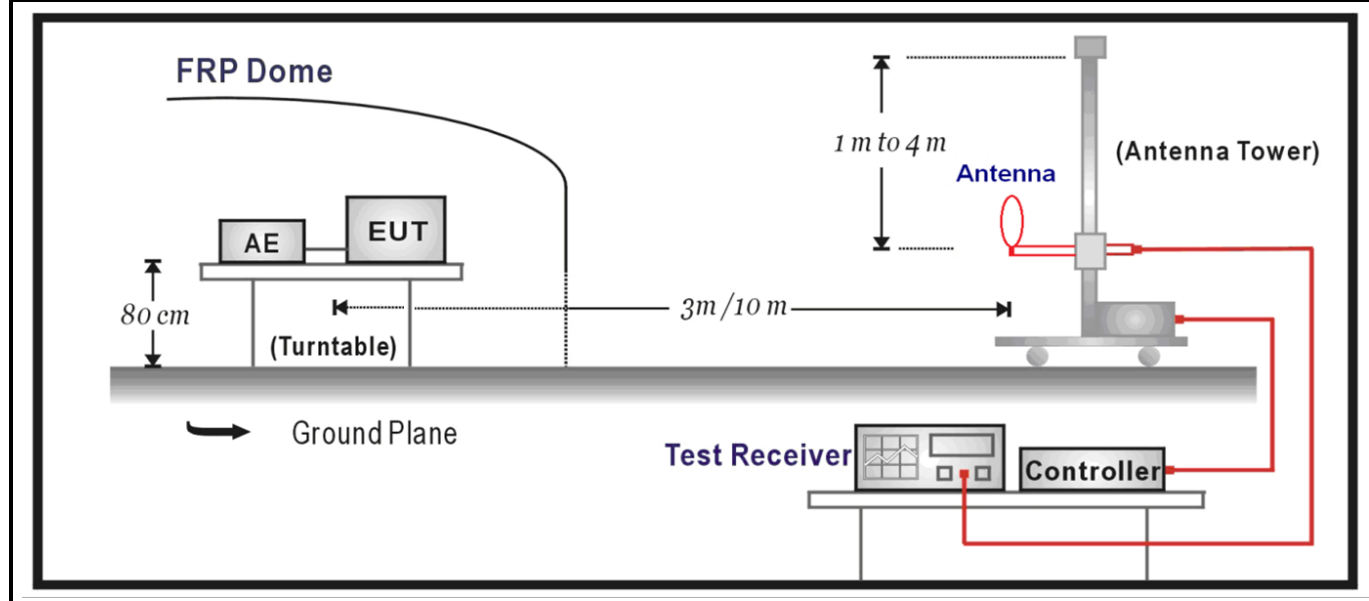
**4.3.3 Test Procedure**

|  | References Rule                                 | Chapter | Description                                                                                      |
|--|-------------------------------------------------|---------|--------------------------------------------------------------------------------------------------|
|  | <input checked="" type="checkbox"/> ANSI C63.10 | 6.4     | Radiated emissions from unlicensed wireless devices below 30 MHz                                 |
|  | <input checked="" type="checkbox"/> ANSI C63.10 | 6.5     | Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz |
|  | <input type="checkbox"/> ANSI C63.10            | 6.6     | Radiated emissions from unlicensed wireless devices above 1 GHz                                  |

**4.4 Emission bandwidth****VERDICT: PASS****4.4.1 Limit****Standard**

FCC Part 15 Subpart C Paragraph 15.215;

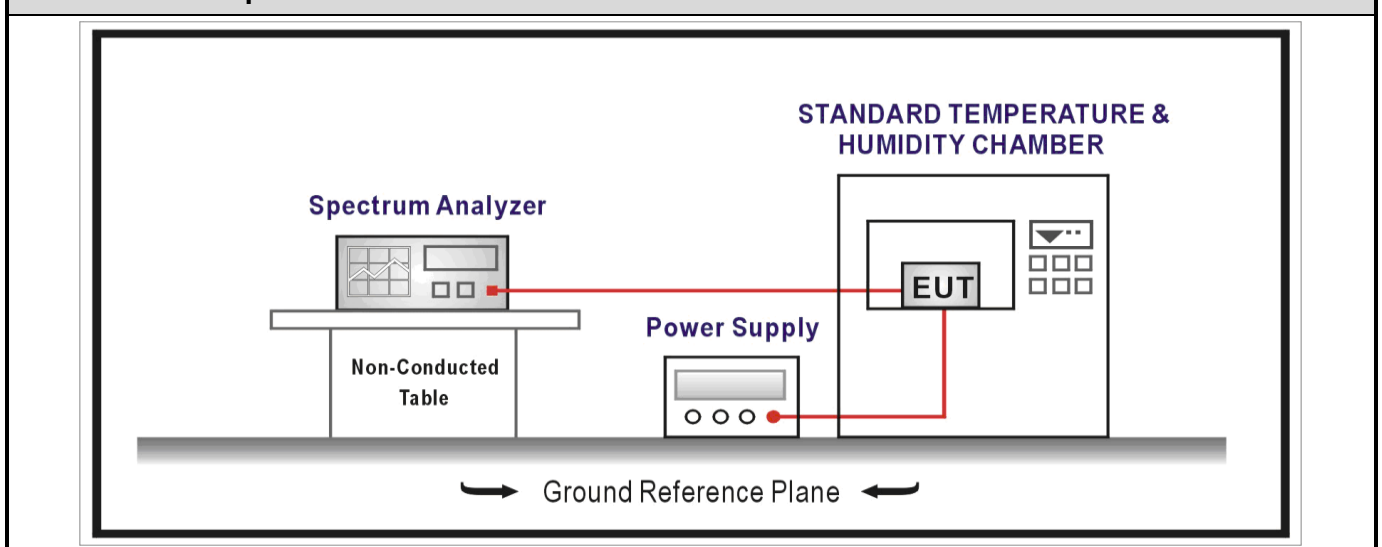
Within the band.

**4.4.2 Test Setup****4.4.3 Test Procedure**

|                                     | Reference Rule | Chapter | Description                                       |
|-------------------------------------|----------------|---------|---------------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10    | 6.9.2   | Occupied bandwidth—relative measurement procedure |

**4.5 Frequency Stability****VERDICT: PASS****4.5.1 Limit:**

| Standard                            | FCC Part 15 Subpart C Paragraph 15.225(e);                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of $-20$ degrees to $+50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery. |

**4.5.2 Test Setup****4.5.3 Test Procedure**

|                                     | References Rule | Chapter | Description                                             |
|-------------------------------------|-----------------|---------|---------------------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10     | 6.8     | Frequency stability tests                               |
| <input checked="" type="checkbox"/> | ANSI C63.10     | 6.8.1   | Frequency stability with respect to ambient temperature |
| <input checked="" type="checkbox"/> | ANSI C63.10     | 6.8.2   | Frequency stability when varying supply voltage         |

**4.6 Antenna Requirement****VERDICT: PASS****4.6.1 Limit:**

| Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FCC Part 15 Subpart E Paragraph 15.203 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <p>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.</p> |                                        |

**4.6.2 Antenna Connector Construction:**

- |                                     |                                                                  |
|-------------------------------------|------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | The use of a permanently attached antenna                        |
| <input type="checkbox"/>            | The antenna use of a unique coupling to the intentional radiator |
| <input type="checkbox"/>            | The use of a nonstandard antenna jack or electrical connector    |

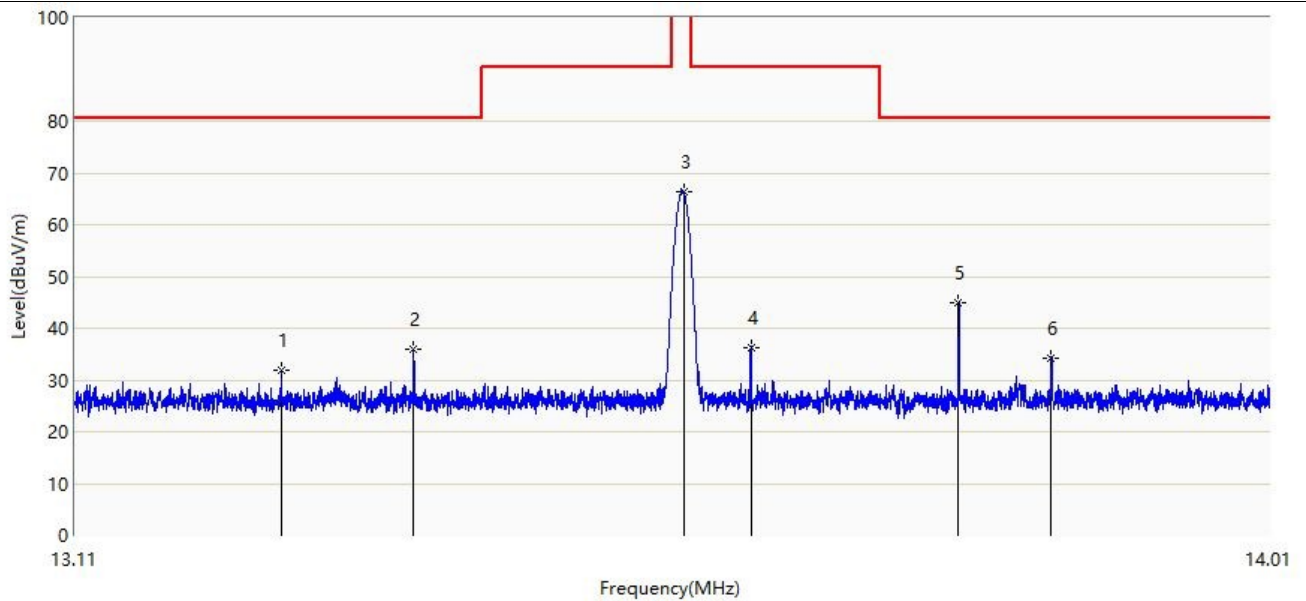
Please refer to the attached document "Internal Photograph" to show the antenna connector.

|                                     |                  |
|-------------------------------------|------------------|
| 5    TEST SETUP PHOTO AND EUT PHOTO | VERDICT:    PASS |
|-------------------------------------|------------------|

Remark: The test setup photo and EUT Photo please see appendix.

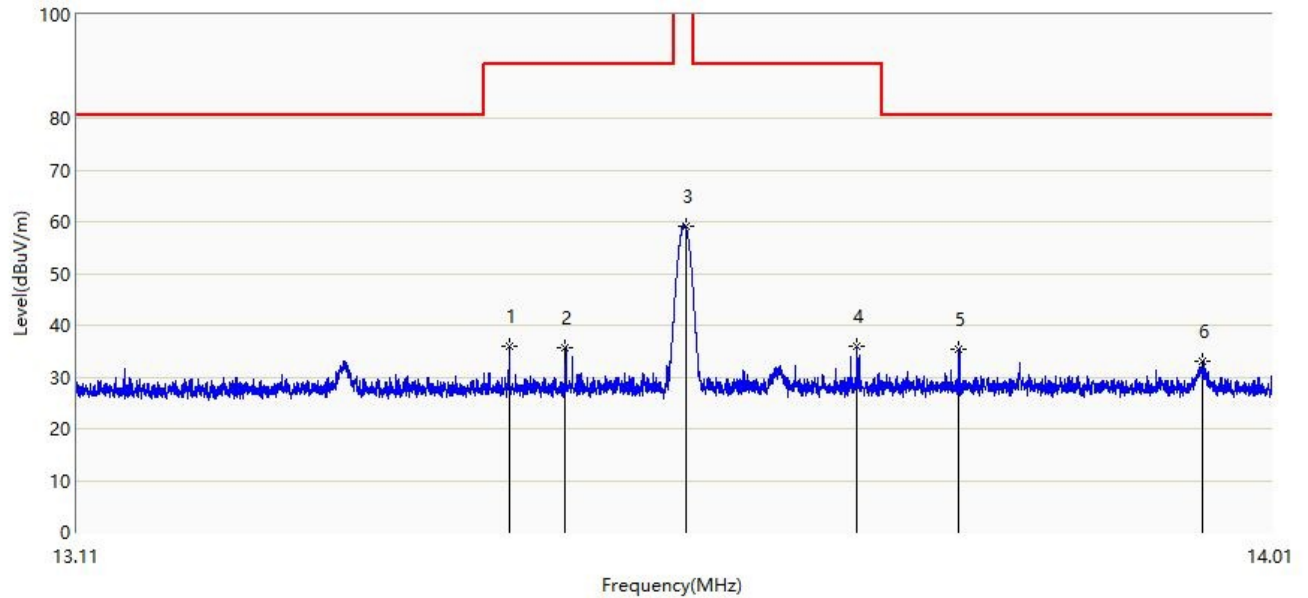
## Appendix A: E-field Emission

|                                    |                          |
|------------------------------------|--------------------------|
| Profile: 25A0259R                  | Page No.: 7              |
| Engineer: Yuliu                    |                          |
| Site: AC2                          | Time: 2025/10/25 - 14:09 |
| Limit: FCC-15.225-E-field Emission | Margin: 0                |
| Probe: RF(0.009-30MHz)             | Polarity: X              |
| EUT: Wireless Phone Charger        | Power: 15Vdc             |
| Note: mode2-X                      |                          |



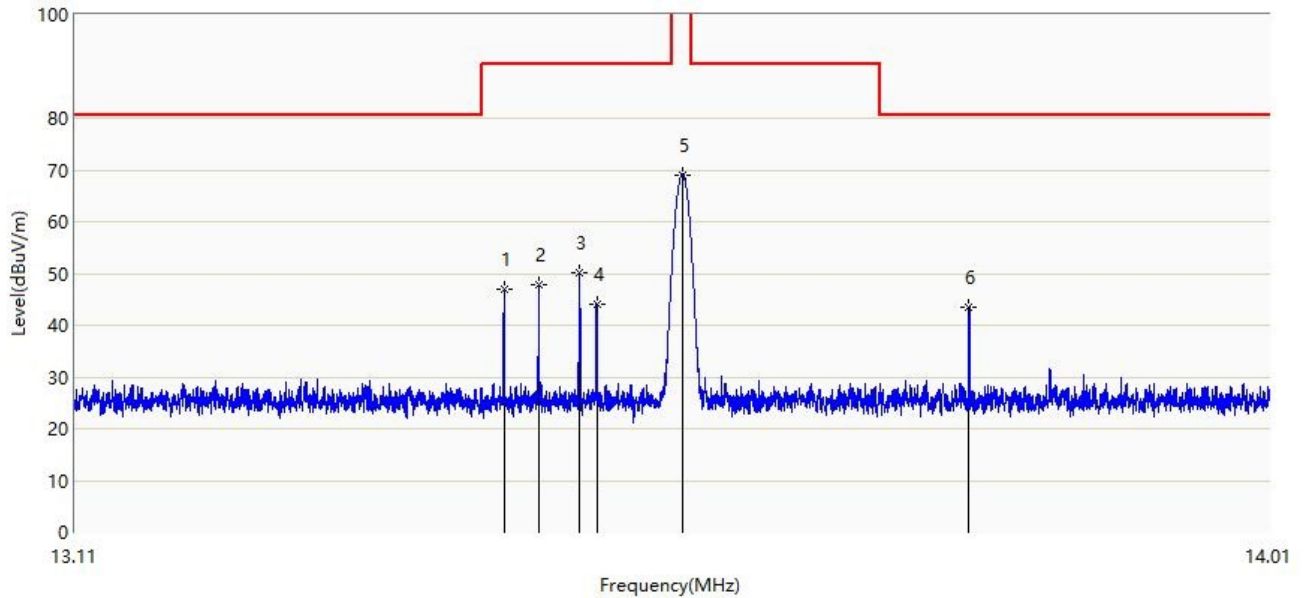
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 13.261          | 32.023                 | 11.007               | -48.477         | 80.500         | 21.016      | QP   |
| 2  |      | 13.359          | 35.847                 | 14.816               | -44.653         | 80.500         | 21.031      | QP   |
| 3  |      | 13.561          | 66.358                 | 45.306               | -57.642         | 124.000        | 21.052      | QP   |
| 4  |      | 13.612          | 36.336                 | 15.273               | -54.164         | 90.500         | 21.063      | QP   |
| 5  | *    | 13.770          | 44.876                 | 23.792               | -35.624         | 80.500         | 21.084      | QP   |
| 6  |      | 13.841          | 34.338                 | 13.245               | -46.162         | 80.500         | 21.093      | QP   |

|                                    |                          |
|------------------------------------|--------------------------|
| Profile: 25A0259R                  | Page No.: 8              |
| Engineer: Yuliu                    |                          |
| Site: AC2                          | Time: 2025/10/25 - 14:11 |
| Limit: FCC-15.225-E-field Emission | Margin: 0                |
| Probe: RF(0.009-30MHz)             | Polarity: Y              |
| EUT: Wireless Phone Charger        | Power: 15Vdc             |
| Note: mode2-Y                      |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 13.429          | 36.038                 | 14.997               | -54.462         | 90.500         | 21.041      | QP   |
| 2  |      | 13.471          | 35.650                 | 14.611               | -54.850         | 90.500         | 21.039      | QP   |
| 3  |      | 13.561          | 59.203                 | 38.151               | -64.797         | 124.000        | 21.052      | QP   |
| 4  |      | 13.691          | 35.908                 | 14.836               | -54.592         | 90.500         | 21.072      | QP   |
| 5  | *    | 13.769          | 35.426                 | 14.342               | -45.074         | 80.500         | 21.084      | QP   |
| 6  |      | 13.957          | 33.029                 | 11.920               | -47.471         | 80.500         | 21.110      | QP   |

|                                    |                          |
|------------------------------------|--------------------------|
| Profile: 25A0259R                  | Page No.: 9              |
| Engineer: Yuliu                    |                          |
| Site: AC2                          | Time: 2025/10/25 - 14:12 |
| Limit: FCC-15.225-E-field Emission | Margin: 0                |
| Probe: RF(0.009-30MHz)             | Polarity: Z              |
| EUT: Wireless Phone Charger        | Power: 15Vdc             |
| Note: mode2-Z                      |                          |



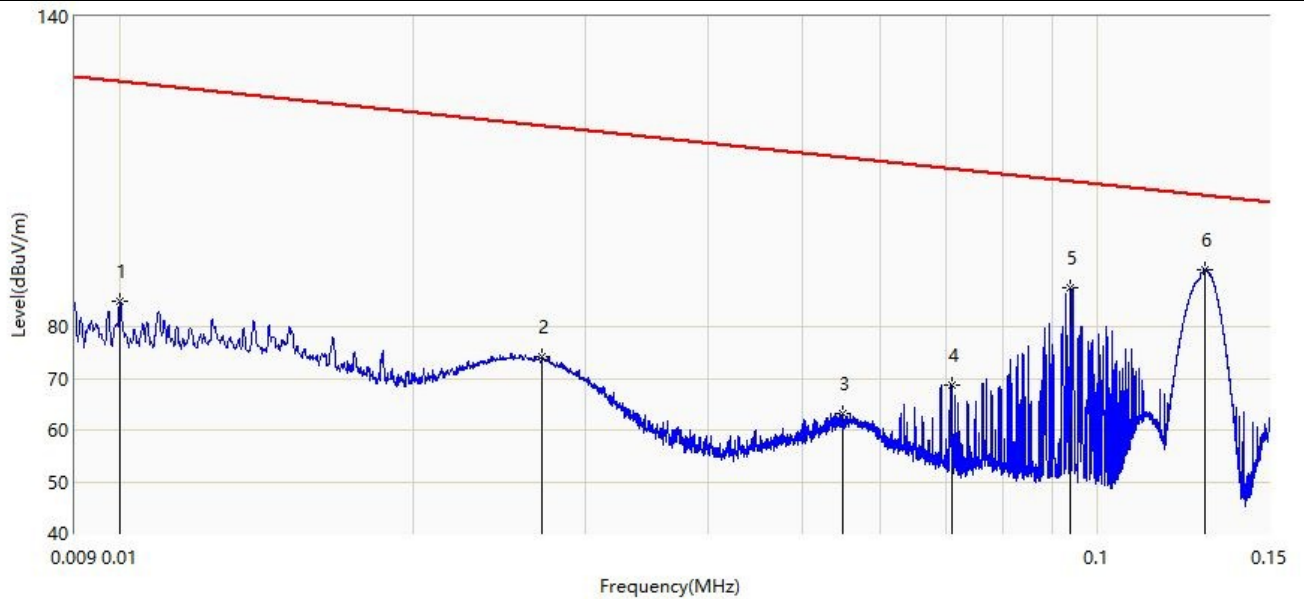
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 13.427          | 47.020                 | 25.979               | -43.480         | 90.500         | 21.041      | QP   |
| 2  |      | 13.452          | 47.698                 | 26.658               | -42.802         | 90.500         | 21.040      | QP   |
| 3  |      | 13.483          | 50.021                 | 28.979               | -40.479         | 90.500         | 21.042      | QP   |
| 4  |      | 13.496          | 44.170                 | 23.123               | -46.330         | 90.500         | 21.047      | QP   |
| 5  |      | 13.560          | 69.109                 | 48.057               | -54.891         | 124.000        | 21.052      | QP   |
| 6  | *    | 13.778          | 43.521                 | 22.437               | -36.979         | 80.500         | 21.084      | QP   |

Note : Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

## Appendix B: Field Strength of Spurious

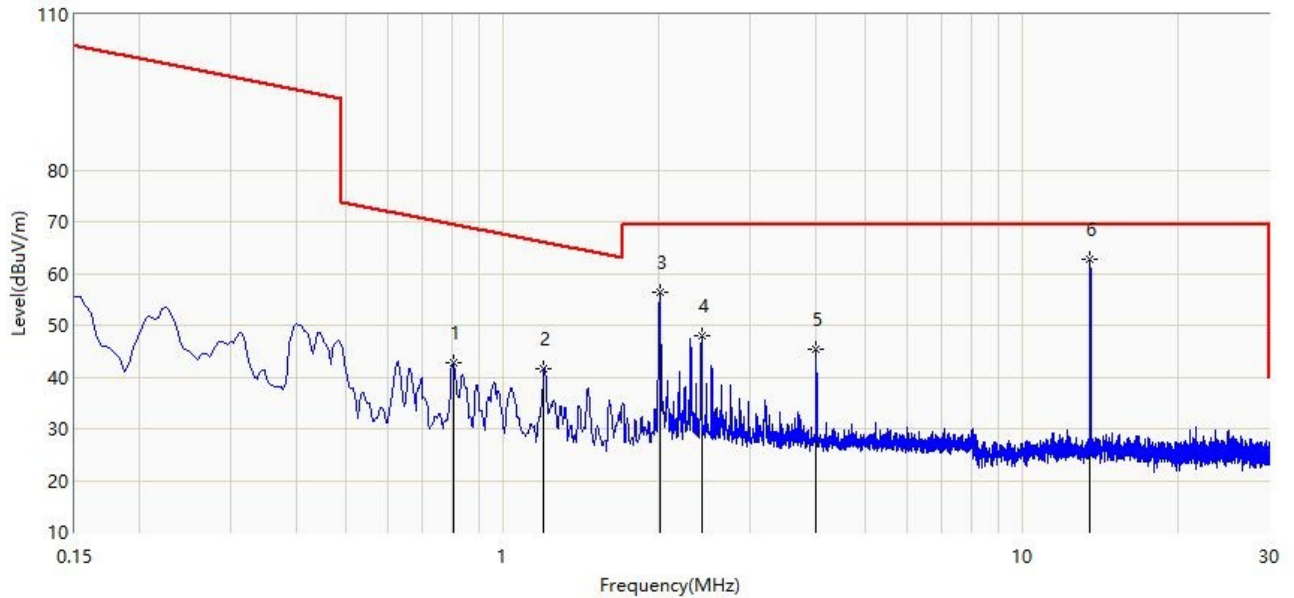
9kHz-30MHz:

|                              |                          |
|------------------------------|--------------------------|
| Profile:25A0259R             | Page No.: 1              |
| Engineer: Yuliu              |                          |
| Site: AC2                    | Time: 2025/10/25 - 13:50 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0                |
| Probe: RF(0.009-30MHz)       | Polarity: X              |
| EUT: Wireless Phone Charger  | Power: 15Vdc             |
| Note: mode2-X                |                          |



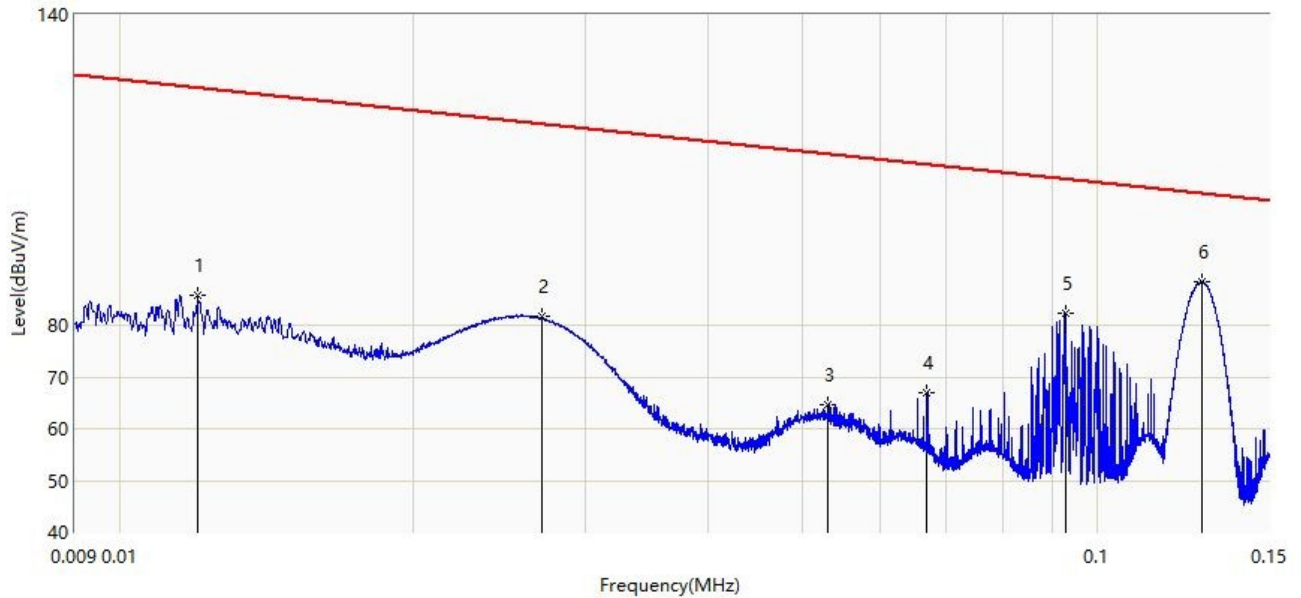
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 0.010           | 84.828                 | 63.766               | -42.757         | 127.585        | 21.062      | PK   |
| 2  |      | 0.027           | 74.230                 | 52.640               | -44.733         | 118.963        | 21.590      | PK   |
| 3  |      | 0.055           | 63.240                 | 41.295               | -49.546         | 112.786        | 21.945      | PK   |
| 4  |      | 0.071           | 68.831                 | 46.904               | -41.738         | 110.570        | 21.927      | PK   |
| 5  |      | 0.094           | 87.673                 | 65.773               | -20.460         | 108.133        | 21.901      | PK   |
| 6  | *    | 0.129           | 91.090                 | 69.230               | -14.295         | 105.386        | 21.860      | PK   |

|                              |                          |
|------------------------------|--------------------------|
| Profile: 25A0259R            | Page No.: 2              |
| Engineer: Yuliu              |                          |
| Site: AC2                    | Time: 2025/10/25 - 13:56 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0                |
| Probe: RF(0.009-30MHz)       | Polarity:X               |
| EUT: Wireless Phone Charger  | Power: 15Vdc             |
| Note: mode2-X                |                          |



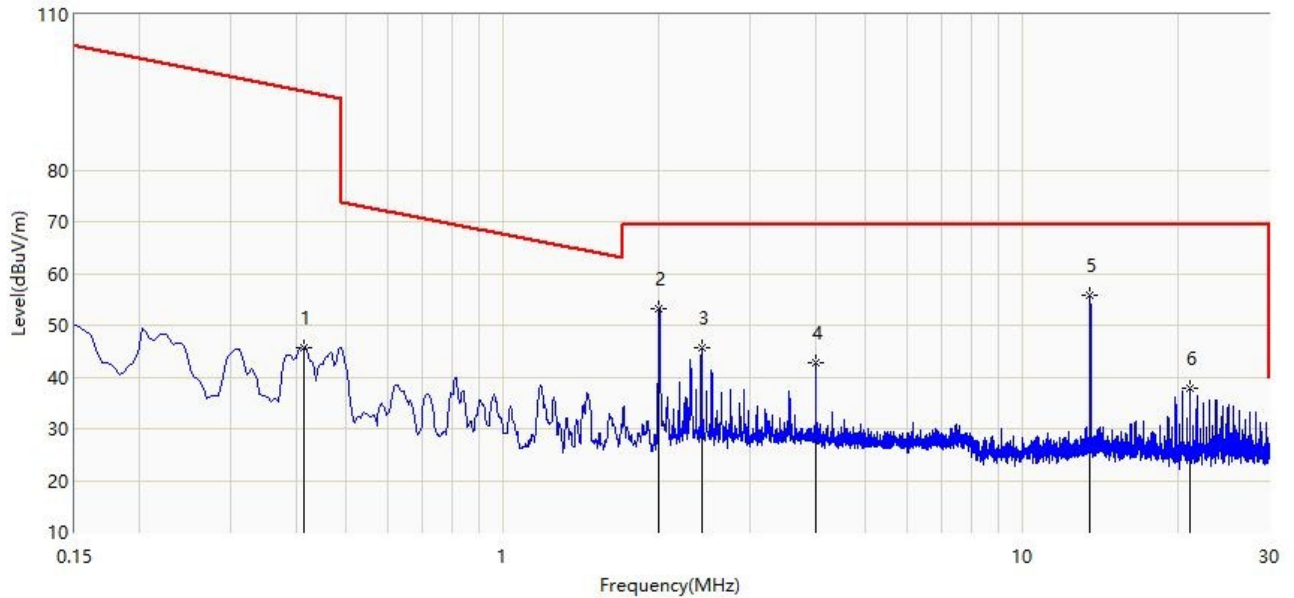
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 0.803           | 42.790                 | 22.242               | -26.732         | 69.522         | 20.547      | PK   |
| 2  |      | 1.202           | 41.667                 | 21.524               | -24.361         | 66.028         | 20.142      | PK   |
| 3  |      | 2.008           | 56.512                 | 35.570               | -12.988         | 69.500         | 20.943      | PK   |
| 4  |      | 2.415           | 47.865                 | 26.959               | -21.635         | 69.500         | 20.906      | PK   |
| 5  |      | 4.019           | 45.348                 | 24.640               | -24.152         | 69.500         | 20.708      | PK   |
| 6  | *    | 13.564          | 62.708                 | 41.656               | -6.792          | 69.500         | 21.052      | PK   |

|                              |                          |
|------------------------------|--------------------------|
| Profile: 25A0259R            | Page No.: 3              |
| Engineer: Yuliu              |                          |
| Site: AC2                    | Time: 2025/10/25 - 13:59 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0                |
| Probe: RF(0.009-30MHz)       | Polarity: Y              |
| EUT: Wireless Phone Charger  | Power: 15Vdc             |
| Note: mode2-Y                |                          |



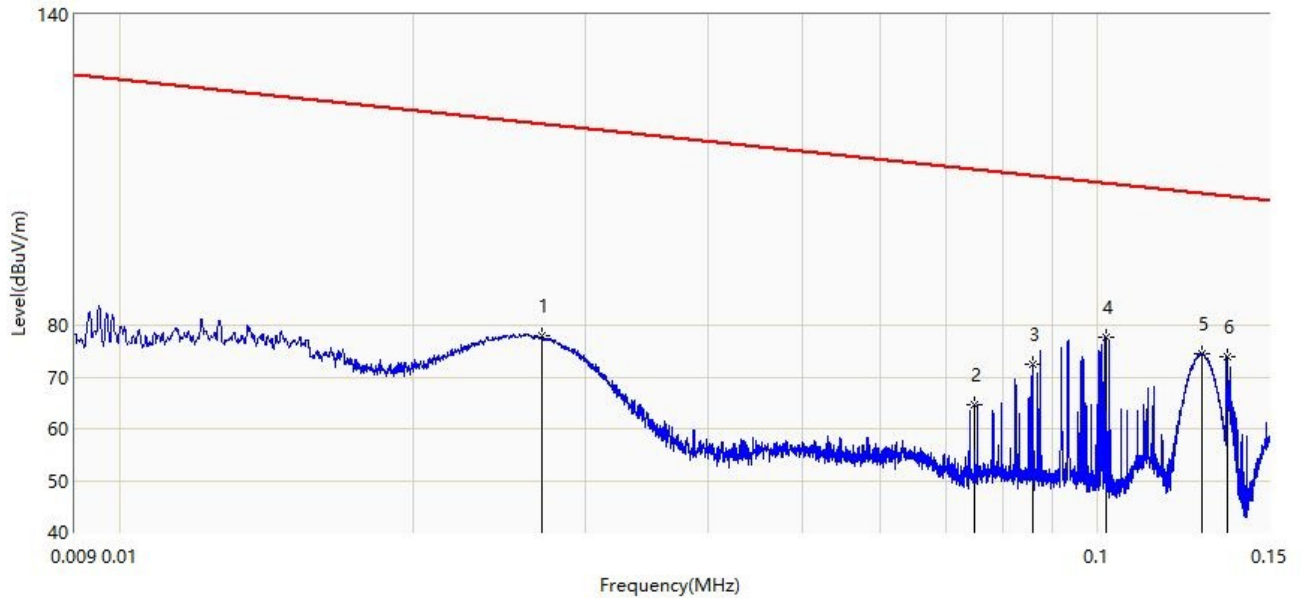
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 0.012           | 85.726                 | 64.601               | -40.277         | 126.003        | 21.125      | PK   |
| 2  |      | 0.027           | 81.669                 | 60.079               | -37.294         | 118.963        | 21.590      | PK   |
| 3  |      | 0.053           | 64.736                 | 42.789               | -48.372         | 113.108        | 21.947      | PK   |
| 4  |      | 0.067           | 66.818                 | 44.886               | -44.255         | 111.073        | 21.932      | PK   |
| 5  |      | 0.093           | 82.429                 | 60.528               | -25.797         | 108.226        | 21.901      | PK   |
| 6  | *    | 0.128           | 88.326                 | 66.464               | -17.128         | 105.453        | 21.862      | PK   |

|                              |                          |
|------------------------------|--------------------------|
| Profile: 25A0259R            | Page No.: 4              |
| Engineer: Yuliu              |                          |
| Site: AC2                    | Time: 2025/10/25 - 14:03 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0                |
| Probe: RF(0.009-30MHz)       | Polarity: Y              |
| EUT: Wireless Phone Charger  | Power: 15Vdc             |
| Note: mode2-Y                |                          |



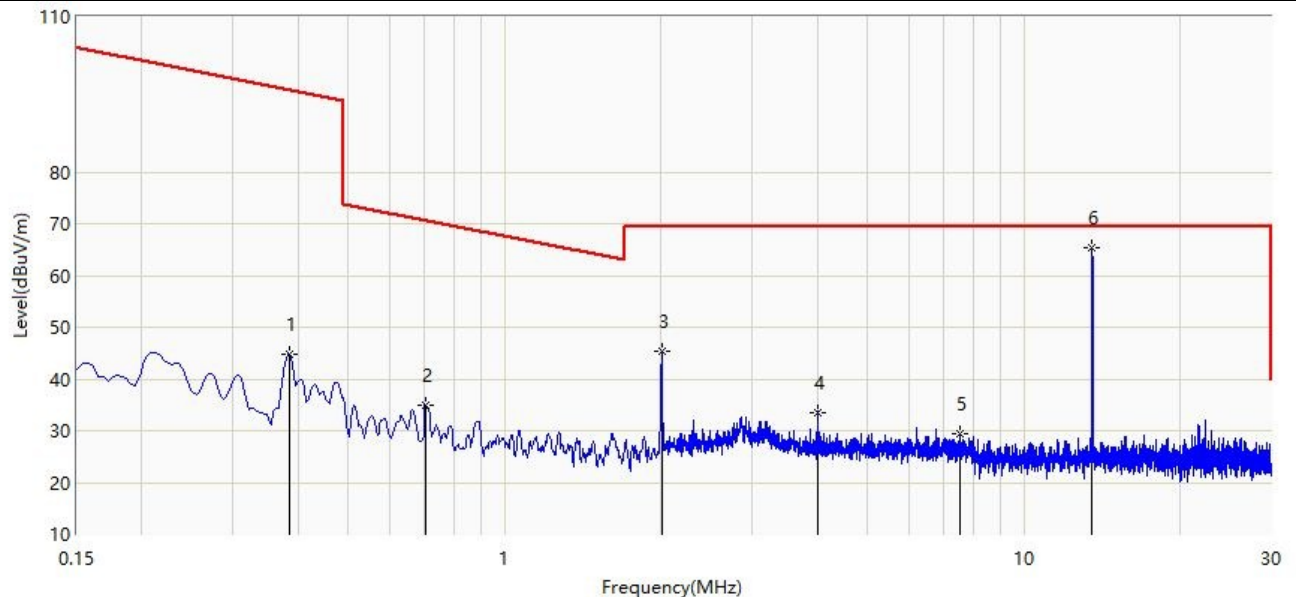
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 0.415           | 45.729                 | 24.157               | -49.513         | 95.242         | 21.572      | PK   |
| 2  |      | 2.004           | 53.086                 | 32.146               | -16.414         | 69.500         | 20.940      | PK   |
| 3  |      | 2.415           | 45.759                 | 24.853               | -23.741         | 69.500         | 20.906      | PK   |
| 4  |      | 4.016           | 42.612                 | 21.904               | -26.888         | 69.500         | 20.708      | PK   |
| 5  | *    | 13.560          | 55.875                 | 34.823               | -13.625         | 69.500         | 21.052      | PK   |
| 6  |      | 21.105          | 37.880                 | 17.395               | -31.620         | 69.500         | 20.485      | PK   |

|                              |                          |
|------------------------------|--------------------------|
| Profile: 25A0259R            | Page No.: 5              |
| Engineer: Yuliu              |                          |
| Site: AC2                    | Time: 2025/10/25 - 14:05 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0                |
| Probe: RF(0.009-30MHz)       | Polarity:Z               |
| EUT: Wireless Phone Charger  | Power: 15Vdc             |
| Note: mode2-Z                |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 0.027           | 78.074                 | 56.484               | -40.889         | 118.963        | 21.590      | PK   |
| 2  |      | 0.075           | 64.494                 | 42.571               | -45.600         | 110.094        | 21.923      | PK   |
| 3  |      | 0.086           | 72.501                 | 50.591               | -36.405         | 108.906        | 21.909      | PK   |
| 4  | *    | 0.102           | 77.552                 | 55.661               | -29.873         | 107.424        | 21.891      | PK   |
| 5  |      | 0.128           | 74.478                 | 52.616               | -30.976         | 105.453        | 21.862      | PK   |
| 6  |      | 0.136           | 73.997                 | 52.142               | -30.930         | 104.927        | 21.855      | PK   |

|                              |                          |
|------------------------------|--------------------------|
| Profile: 25A0259R            | Page No.: 6              |
| Engineer: Yuliu              |                          |
| Site: AC2                    | Time: 2025/10/25 - 14:05 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0                |
| Probe: RF(0.009-30MHz)       | Polarity: Z              |
| EUT: Wireless Phone Charger  | Power: 15Vdc             |
| Note: mode2-Z                |                          |



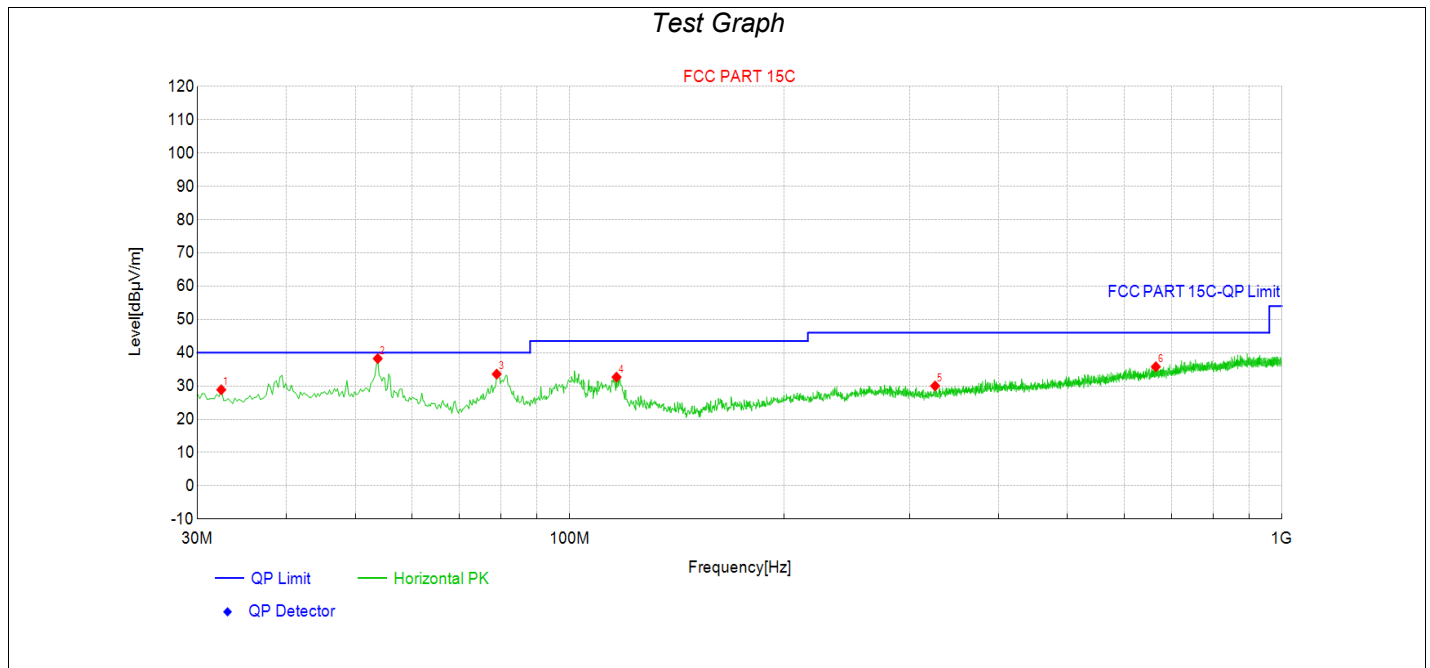
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 0.385           | 44.831                 | 23.234               | -51.062         | 95.894         | 21.597      | PK   |
| 2  |      | 0.706           | 35.024                 | 14.188               | -35.613         | 70.637         | 20.836      | PK   |
| 3  |      | 2.008           | 45.395                 | 24.453               | -24.105         | 69.500         | 20.943      | PK   |
| 4  |      | 4.019           | 33.592                 | 12.884               | -35.908         | 69.500         | 20.708      | PK   |
| 5  |      | 7.515           | 29.563                 | 8.981                | -39.937         | 69.500         | 20.582      | PK   |
| 6  | *    | 13.560          | 65.337                 | 44.285               | -4.163          | 69.500         | 21.052      | PK   |

Note 1. Mark 5 is the fundamental emission.

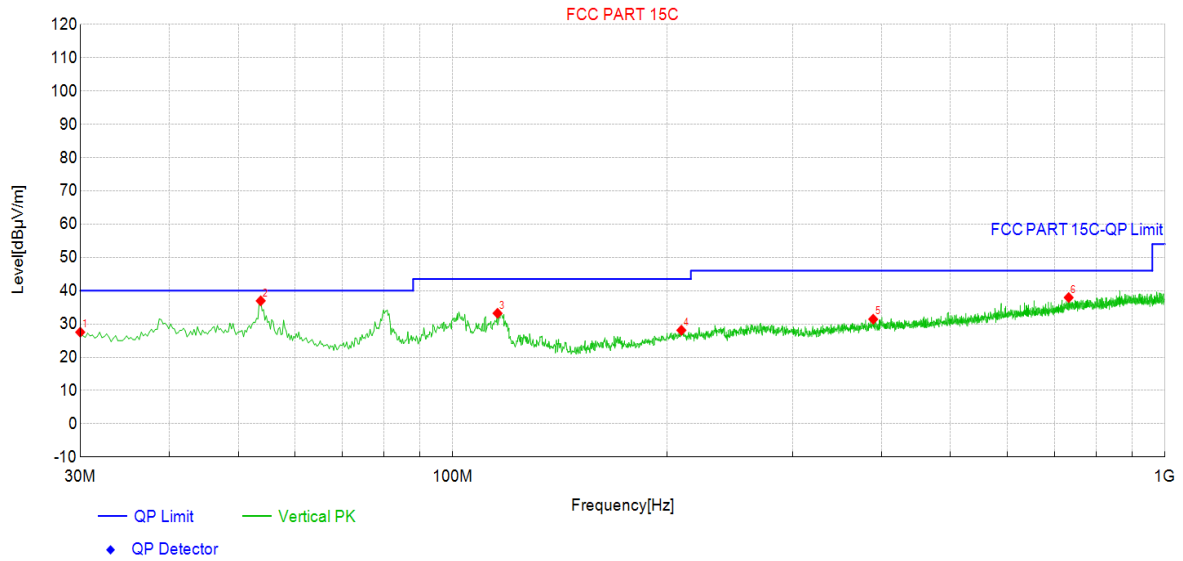
2. Except Main frequency, others are noise floor.

3. " \* ", means this data is the worst emission level.

4. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

**30MHz-1GHz:****Operating****Data List**

| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 32.43           | 15.8           | 28.87          | 13.050        | 40.00          | 11.13       | PK  | Horizo | PASS    |
| 2  | 53.77           | 24.2           | 38.23          | 14.050        | 40.00          | 1.77        | PK  | Horizo | PASS    |
| 3  | 78.99           | 23.7           | 33.58          | 9.850         | 40.00          | 6.42        | PK  | Horizo | PASS    |
| 4  | 116.33          | 21.3           | 32.66          | 11.390        | 43.50          | 10.84       | PK  | Horizo | PASS    |
| 5  | 325.85          | 15.2           | 30.00          | 14.770        | 46.00          | 16.00       | PK  | Horizo | PASS    |
| 6  | 665.11          | 15.5           | 35.78          | 20.260        | 46.00          | 10.22       | PK  | Horizo | PASS    |

**Operating****Test Graph****Data List**

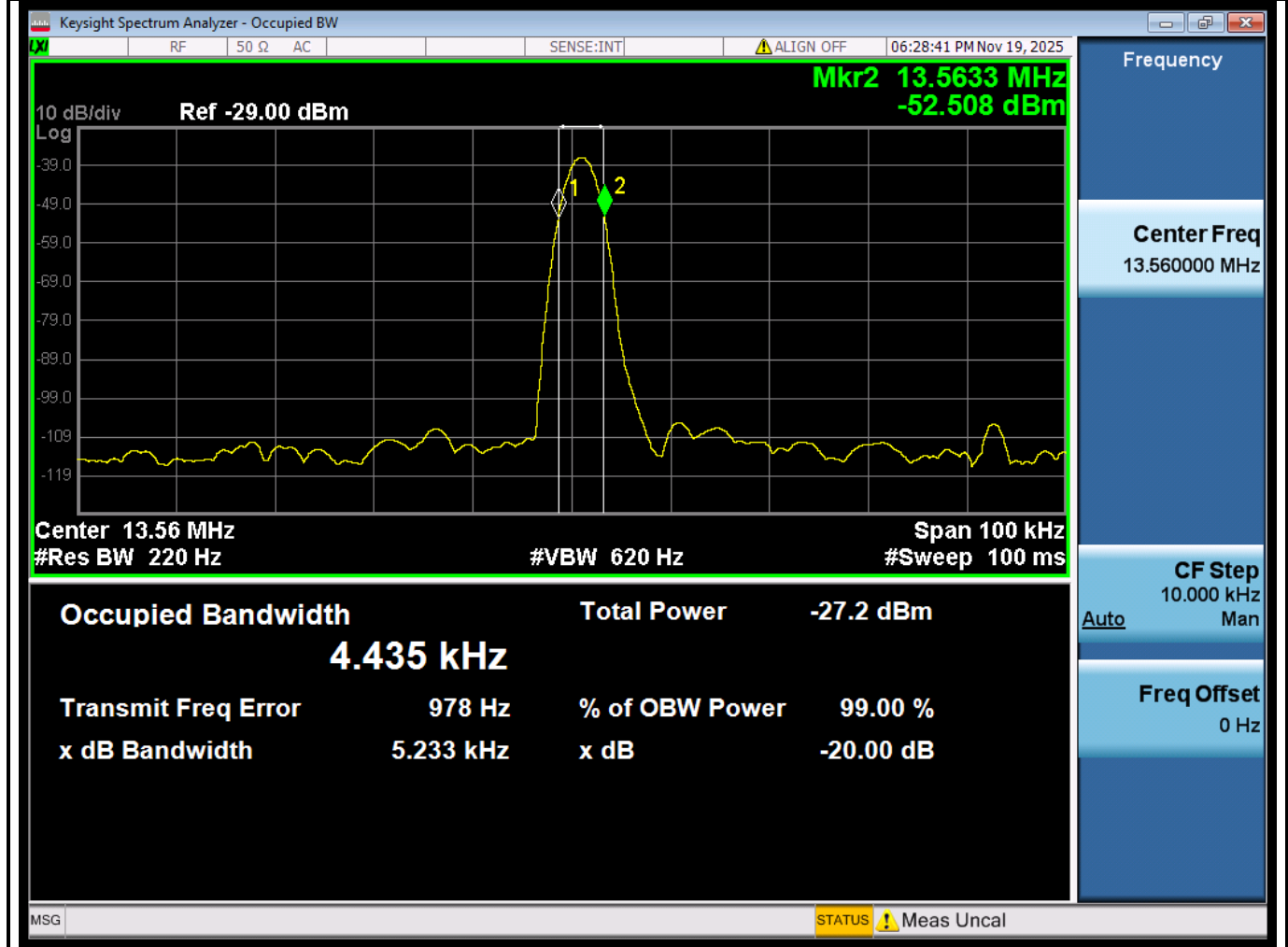
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 30.00           | 14.6           | 27.54          | 12.940        | 40.00          | 12.46       | PK  | Vertic | PASS    |
| 2  | 53.77           | 22.9           | 36.96          | 14.050        | 40.00          | 3.04        | PK  | Vertic | PASS    |
| 3  | 115.60          | 21.7           | 33.21          | 11.490        | 43.50          | 10.29       | PK  | Vertic | PASS    |
| 4  | 209.45          | 15.9           | 28.11          | 12.200        | 43.50          | 15.39       | PK  | Vertic | PASS    |
| 5  | 389.39          | 15.4           | 31.43          | 16.030        | 46.00          | 14.57       | PK  | Vertic | PASS    |
| 6  | 732.52          | 16.7           | 37.94          | 21.260        | 46.00          | 8.06        | PK  | Vertic | PASS    |

**Note:**

1. All Readings below 1GHz are PK, PK as an alternative to CISPR quasi-peak measurements or average measurements.
2. Level=Reading+Factor.

## Appendix C: Emission Bandwidth

| Frequency (MHz) | 20dB Bandwidth (kHz) | 99% Bandwidth (kHz) | Frequency Range Limit (MHz) | Result |
|-----------------|----------------------|---------------------|-----------------------------|--------|
| 13.56           | 5.233                | 4.435               | 13.553 ~ 13.567             | Pass   |



## Appendix D: Frequency Stability

| Frequency Stability under Temperature at 0min  |                      |                 |             |
|------------------------------------------------|----------------------|-----------------|-------------|
| Temperature Interval (°C)                      | Test Frequency (MHz) | Deviation (ppm) | Limit (ppm) |
| -20                                            | 13.56                | -1.24           | ±100        |
| -10                                            | 13.56                | -1.38           | ±100        |
| 0                                              | 13.56                | 1.18            | ±100        |
| 10                                             | 13.56                | -1.67           | ±100        |
| 20                                             | 13.56                | -2.09           | ±100        |
| 30                                             | 13.56                | -1.72           | ±100        |
| 40                                             | 13.56                | -1.50           | ±100        |
| 50                                             | 13.56                | -1.73           | ±100        |
| Frequency Stability under Temperature at 2min  |                      |                 |             |
| Temperature Interval (°C)                      | Test Frequency (MHz) | Deviation (ppm) | Limit (ppm) |
| -20                                            | 13.56                | -1.51           | ±100        |
| -10                                            | 13.56                | -1.64           | ±100        |
| 0                                              | 13.56                | -1.55           | ±100        |
| 10                                             | 13.56                | -1.45           | ±100        |
| 20                                             | 13.56                | -1.65           | ±100        |
| 30                                             | 13.56                | -1.63           | ±100        |
| 40                                             | 13.56                | -1.72           | ±100        |
| 50                                             | 13.56                | -1.72           | ±100        |
| Frequency Stability under Temperature at 5min  |                      |                 |             |
| Temperature Interval (°C)                      | Test Frequency (MHz) | Deviation (ppm) | Limit (ppm) |
| -20                                            | 13.56                | -1.75           | ±100        |
| -10                                            | 13.56                | -1.74           | ±100        |
| 0                                              | 13.56                | -1.78           | ±100        |
| 10                                             | 13.56                | -1.59           | ±100        |
| 20                                             | 13.56                | -1.76           | ±100        |
| 30                                             | 13.56                | -1.78           | ±100        |
| 40                                             | 13.56                | -1.73           | ±100        |
| 50                                             | 13.56                | -1.79           | ±100        |
| Frequency Stability under Temperature at 10min |                      |                 |             |
| Temperature Interval (°C)                      | Test Frequency (MHz) | Deviation (ppm) | Limit (ppm) |

|     |       |       |      |
|-----|-------|-------|------|
| -20 | 13.56 | -1.85 | ±100 |
| -10 | 13.56 | -1.78 | ±100 |
| 0   | 13.56 | -1.84 | ±100 |
| 10  | 13.56 | -1.92 | ±100 |
| 20  | 13.56 | -1.88 | ±100 |
| 30  | 13.56 | -2.01 | ±100 |
| 40  | 13.56 | -1.97 | ±100 |
| 50  | 13.56 | -2.05 | ±100 |

## Frequency Stability under Voltage

| DC Voltage<br>(V) | Test Frequency (MHz) | Deviation<br>(ppm) | Limit<br>(ppm) |
|-------------------|----------------------|--------------------|----------------|
| 3.60              | 13.56                | -1.33              | ±100           |
| 3.87              | 13.56                | -1.34              | ±100           |
| 4.40              | 13.56                | -1.30              | ±100           |

\_\_\_\_\_ The End \_\_\_\_\_