



FCC ID: GDDJR-91
Report No.: T210414N07-RP1

Ref. No.: T190823N03-RP1

Page: 1 / 52
Rev.: 00

FCC 47 CFR PART 15 SUBPART C ANSI C63.10: 2013

TEST REPORT

For

Cherry Wireless Dongle

Model: JR-91

Data Applies To: JD-85R, JD-856R

Brand: CHERRY

Test Report Number:
T210414N07-RP1

Issued to

Cherry Europe GmbH
Cherrystraße, 91275 Auerbach, Deutschland/Germany

Issued by

Compliance Certification Services Inc.

Tainan Lab.

No.8, Jiucengling, Xinhua Dist.,

Tainan City, Taiwan

Issued Date: August 05, 2021

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REVISION HISTORY

| Rev. | Issue Date | Revisions | Effect Page | Revised By |
|------|-----------------|----------------------------------|-------------|------------|
| 00 | August 05, 2021 | See the following note rev.00 | ALL | Polly Wang |
| | | | | |
| | | | | |

Note:

- ※ Rev.00 Issue Date: August 05, 2021
Apply for a new FCC ID for model JR-91 (Original FCC ID: GDDJD-85R).
Please refer to remark 5 on page 5 for detailed information.

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1. TEST RESULT CERTIFICATION

| | |
|------------------------|---|
| Product: | Cherry Wireless Dongle |
| Model: | JR-91 |
| Data Applies To | JD-85R, JD-856R |
| Brand Name: | CHERRY |
| Applicant: | Cherry Europe GmbH Cherrystraße, 91275 Auerbach, Deutschland/Germany |
| Manufacturer: | Jing Mold Electronic Tech. (Shen Zhen) Co., Ltd. Xin Qiao 3rd Industrial Estate, Sha Jing, Bao An, Shenzhen, Guangdong, P.R. China |
| Tested: | June 18, 2020 ~ July 02, 2020 |

| APPLICABLE STANDARDS | |
|---|-------------------------|
| STANDARD | TEST RESULT |
| FCC 47 CFR Part 15 Subpart C ANSI C63.10: 2013 | No non-compliance noted |

| Statements of Conformity |
|--|
| Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty. |

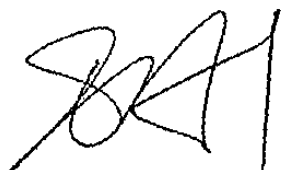
| FCC Standard Section | Report Section | Test Item | Result |
|----------------------|----------------|-------------------------------|--------|
| - | 7.1 | 20dB BANDWIDTH | Pass |
| 15.249(e) | 7.2 | BAND EDGES MEASUREMENT | Pass |
| - | 7.3 | DUTY CYCLE | Pass |
| 15.249(a) | 7.4 | SPURIOUS EMISSION | Pass |
| 15.207(a) | 7.5 | POWERLINE CONDUCTED EMISSIONS | Pass |

We hereby certify that:

The above equipment was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10: 2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements emission limits of FCC Rules Part 15.107, 15.109, 15.207, 15.209 and 15.249.

The test results of this report relate only to the tested sample identified in this report.

Approved by:



Eric Huang
Section Manager

2. EUT DESCRIPTION

| | |
|----------------------------|--|
| Product | Cherry Wireless Dongle |
| Model Number | JR-91 |
| Data Applies To | JD-85R, JD-856R |
| Brand Name | CHERRY |
| Received Date | August 23, 2019 |
| Reported Date | May 19, 2021 |
| Operation Frequency | 2406MHz~2476MHz |
| Transmit Peak Power | 99.124 dBuV/m |
| Transmit Data Rate | 2Mbps |
| Type of Modulation | GFSK |
| Number of Channels | 71 Channels |
| Power Supply | DC 5V, 20mA |
| Antenna Type | Type: PCB Antenna Model: JR-91 Manufacturer: Sunrex Gain: -1.89 dBi |
| RF Module Model | nREF24LU1+ |
| Hardware Version | v1.2 |
| Software Version | N/A |
| Firmware Version | v05 |
| Temperature Range | 0°C ~ +40°C |

Remark:

1. Client consigns only one model sample to test (Model Number: **JR-91**). Therefore, the testing Lab. just guarantees the unit, which has been tested.
2. This submittal(s) (test report) is intended for FCC ID: **GDDJR-91** filing to comply with Section 15.107 & 15.109 (FCC Part 15, Subpart B) and Section 15.207, 15.209, 15.249.
3. For more details, please refer to the User's manual of the EUT.
4. According to customer declaration Wireless Keyboard (**JG-91/FCC ID: GDDJG-91**) and Wireless Mouse (**JF-91/FCC ID: GDDJF-91**) for sale.
5. The listed model (JD-85R, JD-856R) are all the same of the model (JR-91/**FCC ID: GDDJR-91**) in original test report design, except for different model name, FCC ID and is just for the marketing purpose. After technical evaluated by testing Lab., since all the measurement item(s) of the existing series model(s), the EUT electrically is identical to the original therefore no need for the re-testing, the test data can be applied and duplicated in the test report. (please refer to: T190823N03-RP1).

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10 and FCC CFR 47 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057, 15.207, 15.209 and 15.249.

3.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

3.2 EUT EXERCISE

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.107 and 15.109 under the FCC Rules Part 15 Subpart B and Section 15.207, 15.209, 15.249 under the FCC Rules Part 15 Subpart C.

3.3 GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.10 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 1.5 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.10.

3.4 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

- Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

| MHz | MHz | MHz | GHz |
|----------------------------|---------------------|-----------------|------------------|
| 0.090 - 0.110 | 16.42 - 16.423 | 399.9 - 410 | 4.5 - 5.15 |
| ¹ 0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614 | 5.35 - 5.46 |
| 2.1735 - 2.1905 | 16.80425 - 16.80475 | 960 - 1240 | 7.25 - 7.75 |
| 4.125 - 4.128 | 25.5 - 25.67 | 1300 - 1427 | 8.025 - 8.5 |
| 4.17725 - 4.17775 | 37.5 - 38.25 | 1435 - 1626.5 | 9.0 - 9.2 |
| 4.20725 - 4.20775 | 73 - 74.6 | 1645.5 - 1646.5 | 9.3 - 9.5 |
| 6.215 - 6.218 | 74.8 - 75.2 | 1660 - 1710 | 10.6 - 12.7 |
| 6.26775 - 6.26825 | 108 - 121.94 | 1718.8 - 1722.2 | 13.25 - 13.4 |
| 6.31175 - 6.31225 | 123 - 138 | 2200 - 2300 | 14.47 - 14.5 |
| 8.291 - 8.294 | 149.9 - 150.05 | 2310 - 2390 | 15.35 - 16.2 |
| 8.362 - 8.366 | 156.52475 - | 2483.5 - 2500 | 17.7 - 21.4 |
| 8.37625 - 8.38675 | 156.52525 | 2655 - 2900 | 22.01 - 23.12 |
| 8.41425 - 8.41475 | 156.7 - 156.9 | 3260 - 3267 | 23.6 - 24.0 |
| 12.29 - 12.293 | 162.0125 - 167.17 | 3332 - 3339 | 31.2 - 31.8 |
| 12.51975 - 12.52025 | 167.72 - 173.2 | 3345.8 - 3358 | 36.43 - 36.5 |
| 12.57675 - 12.57725 | 240 - 285 | 3600 - 4400 | (²) |
| 13.36 - 13.41 | 322 - 335.4 | | |

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

² Above 38.6

- Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

3.5 DESCRIPTION OF TEST MODES

The EUT (**Model: JR-91**) had been tested under engineering test mode condition and the EUT staying in continuous transmitting mode.

4. INSTRUMENT CALIBRATION

4.1 MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

4.2 MEASUREMENT EQUIPMENT USED

Equipment Used for Emissions Measurement

| Chamber Room #966 | | | | | |
|----------------------------------|-------------------------|--------------------|-------------------|------------------|-----------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Date | Calibration Due |
| Bi-Log Antenna With 6dB Att | Sunol & MCL | JB1 & BW-N6W5 | A070506-2 & 0505 | 08/26/2019 | 08/25/2020 |
| Cable | Suhner | SUCOFLEX10 4PEA | 20520/4PEA&O 6 | 01/30/2020 | 01/29/2021 |
| Double Ridged Guide Horn Antenna | ETS-LINDGREN | 3116 | 00078900 | 03/26/2020 | 03/25/2021 |
| EXA Spectrum Analyzer | KEYSIGHT | N9010A | MY54430216 | 07/18/2019 | 07/17/2020 |
| Horn Antenna | Com-Power | AH-118 | 071032 | 04/29/2020 | 04/28/2021 |
| Power Meter | Anritsu | ML2487A | 6K00003888 | 11/20/2019 | 05/19/2021 |
| Power Sensor | Anritsu | MA2491A | 033265 | 11/20/2019 | 05/19/2021 |
| Pre-Amplifier | EMCI | EMC012645 | 980098 | 01/30/2020 | 01/29/2021 |
| Pre-Amplifier | HP | 8447F | 2443A01683 | 01/22/2020 | 01/21/2021 |
| Tem/Hum Chamber | K.SON | THS-M1 | 242 | 09/24/2019 | 09/23/2020 |
| Vector Signal Generator | ROHDE & SCHWARZ | SMU 200A | 103564 | 10/11/2019 | 10/10/2021 |
| Software | Excel(ccs-o6-2020 v1.1) | | | | |

Equipment Used for POWERLINE CONDUCTED EMISSIONS

| Conducted Emission room #1 | | | | | |
|----------------------------|-----------------|----------|---------------|------------------|-----------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Date | Calibration Due |
| BNC Coaxial Cable | CCS | BNC50 | 11 | 01/22/2020 | 01/21/2021 |
| EMI Test Receiver | R&S | ESCS 30 | 100348 | 02/20/2020 | 02/19/2021 |
| LISN | SCHWARZBEC K | NNLK8130 | 8130124 | 01/17/2020 | 01/16/2021 |
| LISN | R&S | ESH3-Z5 | 840062/021 | 07/11/2019 | 07/10/2020 |
| Pulse Limiter | R&S | ESH3-Z2 | 100116 | 01/22/2020 | 01/21/2021 |
| Test S/W | e3(6.101222) | | | | |

4.3 MEASUREMENT UNCERTAINTY

| Parameter | Uncertainty |
|---|-------------|
| Radiated Emission, 30 to 200 MHz Test Site : CB966 | ±3.1dB |
| Radiated Emission, 200 to 1000 MHz Test Site : CB966 | ±2.7dB |
| Radiated Emission, 1 to 6 GHz | ±2.7dB |
| Radiated Emission, 6 to 18 GHz | ±2.7dB |
| Radiated Emission, 18 to 26.5 GHz | ±2.7dB |
| Radiated Emission, 26 to 40 GHz | ±3.7dB |
| Power Line Conducted Emission | ±2.0dB |

Uncertainty figures are valid to a confidence level of 95%, k=2

5. FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

No.8, Jiucengling, Xinhua Dist., Tainan City 712, Taiwan (R.O.C.)

The sites are constructed in conformance with the requirements of ANSI C63.7:1992, ANSI C63.10: 2013 and CISPR Publication 22.

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.3 LABORATORY ACCREDITATIONS LISTING

The test facilities used to perform radiated and conducted emissions tests are accredited by Taiwan Accreditation Foundation for the specific scope of accreditation under Lab Code: 1109 to perform Electromagnetic Interference tests according to FCC PART 15 AND CISPR 22 requirements. No part of this report may be used to claim or imply product endorsement by TAF or any agency of the Government. In addition, the test facilities are listed with Federal Communications Commission (registration no: TW1109).

5.4 TABLE OF ACCREDITATIONS AND LISTINGS

Our laboratories are accredited and approved by the following accreditation body according to ISO/IEC 17025.

| | |
|---------------|-----|
| Taiwan | TAF |
|---------------|-----|

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

| | |
|----------------|-----------------|
| Canada | Industry Canada |
| Germany | TUV NORD |
| Taiwan | BSMI |
| USA | FCC |
| Japan | VCCI |

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.ccsrf.com>

6. SETUP OF EQUIPMENT UNDER TEST

6.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix I for the actual connections between EUT and support equipment.

6.2 SUPPORT EQUIPMENT

【RF】

| No. | Product | Manufacturer | Model No. | Certify No. | Signal cable |
|-----|-----------|--------------|----------------|-------------|--------------------------|
| 1 | Note book | Acer | AS 3830TG | DOC | Power cable, unshd, 1.6m |
| 2 | Note book | TOSHIBA | Satellite L730 | DOC | Power cable, unshd, 1.6m |

| No. | Signal cable description | |
|-----|--------------------------|---|
| A | - | - |

【EMC】

| No. | Product | Manufacturer | Model No. | Certify No. | Signal cable |
|-----|-----------------|--------------|----------------|-------------|---------------------------|
| 1 | LCD Monitor | ViewSonic | VS15449 | DOC | VGA cable, shd, 1.8m |
| 2 | Keyboard(USB) | Lenovo | KU-0225 | DOC | Keyboard cable, shd, 1.8m |
| 3 | PC | HP | HP pro 3330 MT | QT035AV | N/A |
| 4 | Bluetooth mouse | N/A | JD-8500DE | DVT1 Mouse | N/A |

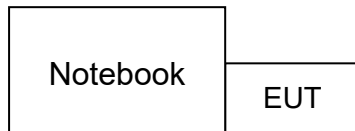
| No. | Signal cable description | |
|-----|--------------------------|----------------------------------|
| A | USB | Shielded, 1.5m, 1pcs. |
| B | AC power cable | Unshielded, 1.6m, 1pcs. |
| C | AC power cable | Unshielded, 1.6m, 1pcs. |
| D | VGA | Shielded, 1.6m, 1pcs with 2 core |
| E | Bluetooth | N/A |

Remark:

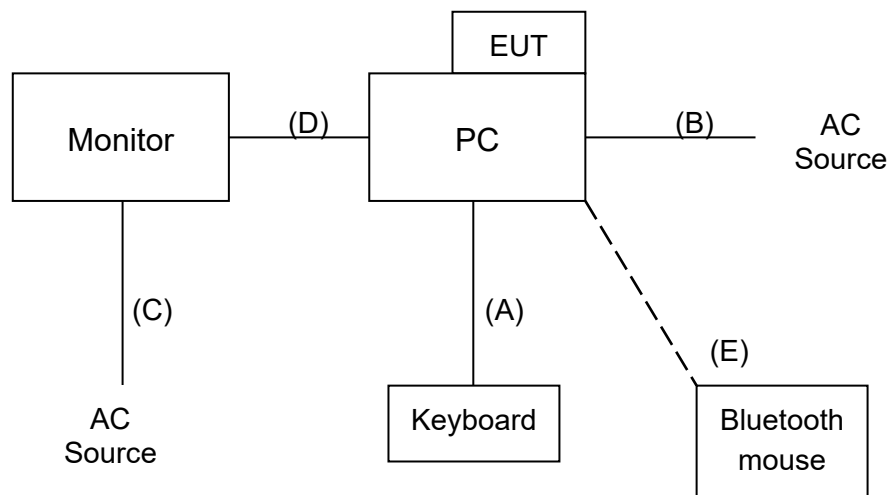
- All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

6.3 CONFIGURATION OF SYSTEM UNDER TEST

【RF】



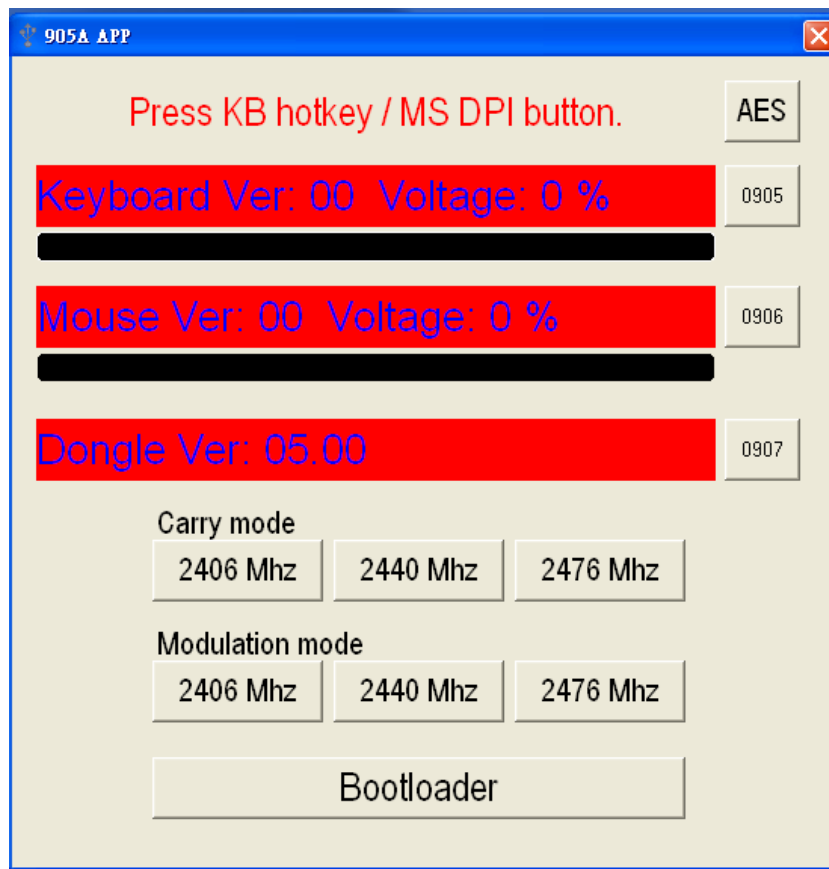
【EMC】



6.4 EUT OPERATING CONDITION

RF Setup

1. Set up all computers like the setup diagram.
2. The "905A_APP_v1120" software was used for testing.



TX Mode:

Modulation mode

2406Mhz : Low_freq 低頻

2440Mhz : Mid_freq 中頻

2476Mhz : High_freq 高頻

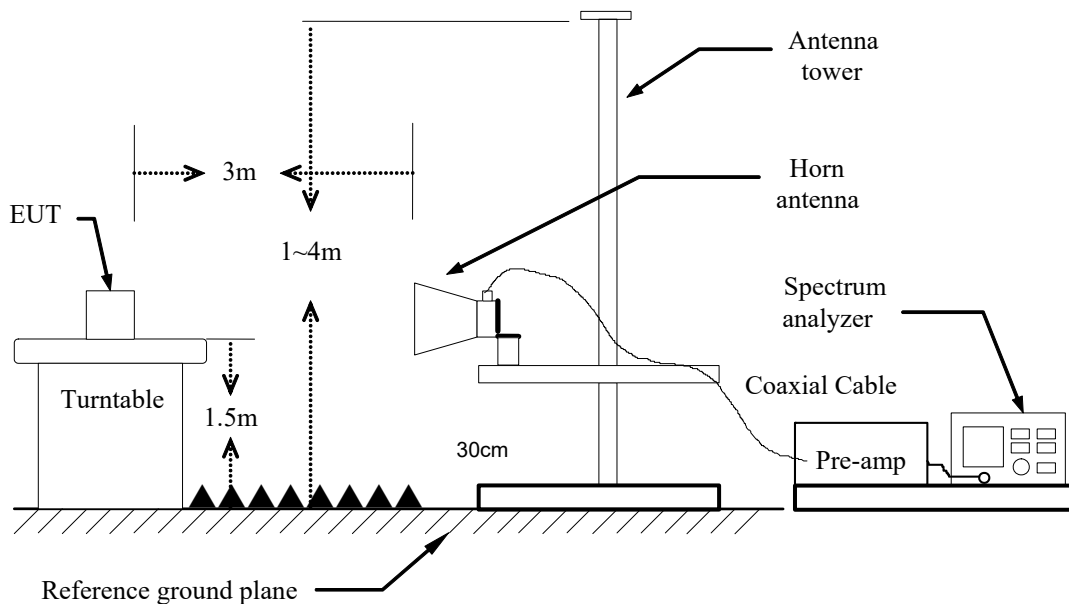
7. FCC PART 15.249 REQUIREMENTS

7.1 20 dB BANDWIDTH

LIMIT

None; for reporting purposes only.

Test Configuration



TEST PROCEDURE

1. The EUT is placed on a turntable, which is 1.5m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:
RBW is set to 10 kHz and VBW is set 300kHz.

TEST RESULTS

No non-compliance noted.

TEST DATA

Operation Mode: TX

Test Date: 2020/06/18

Temperature: 27.8°C

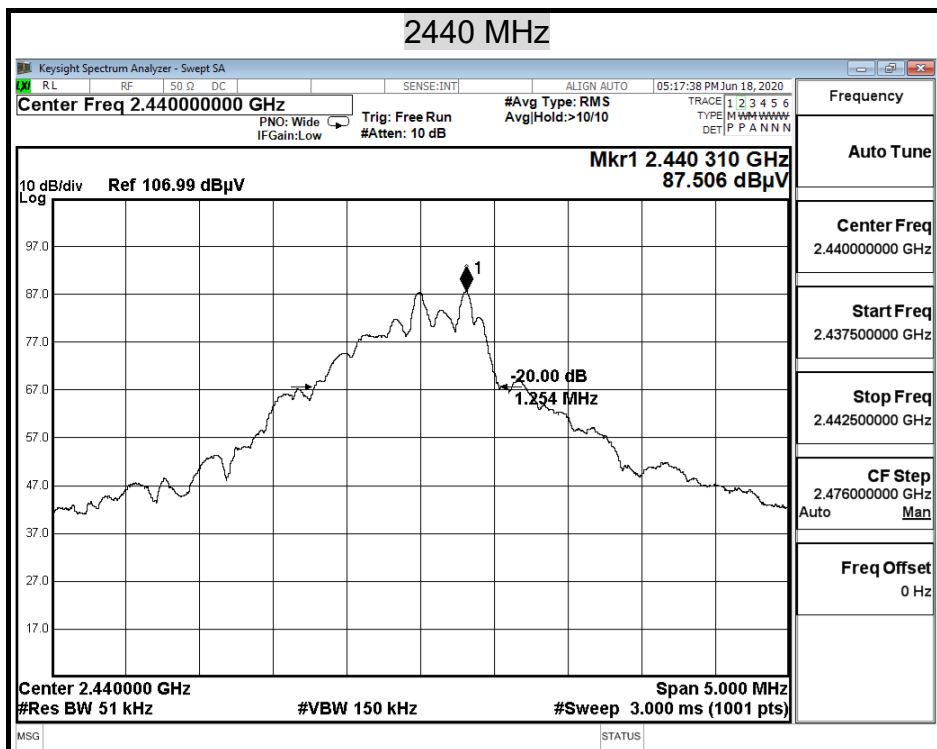
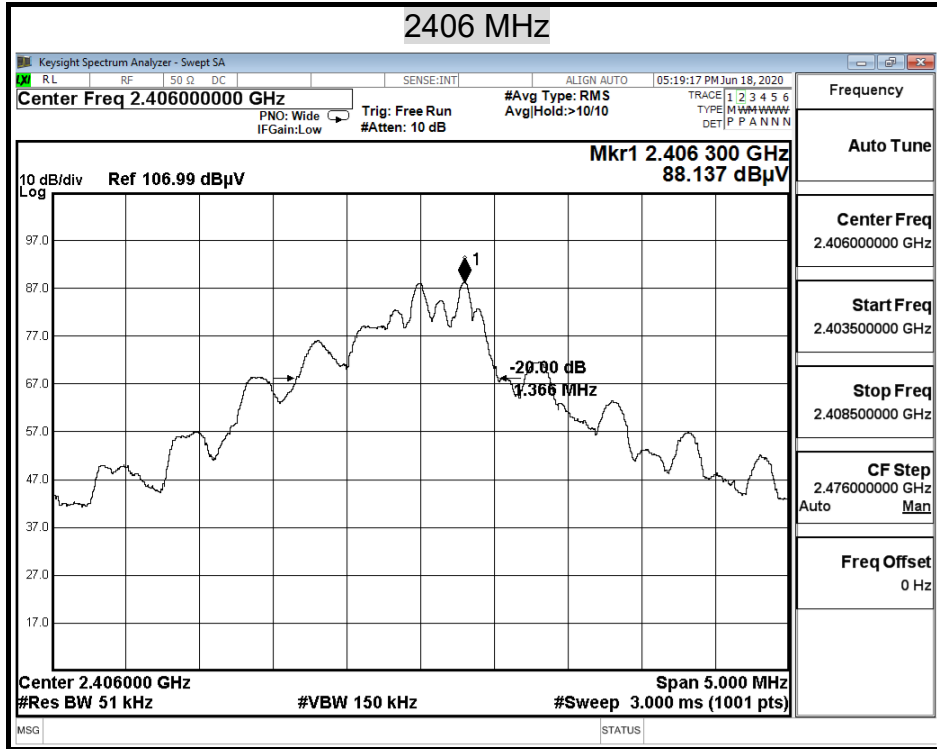
Tested by: Ted Huang

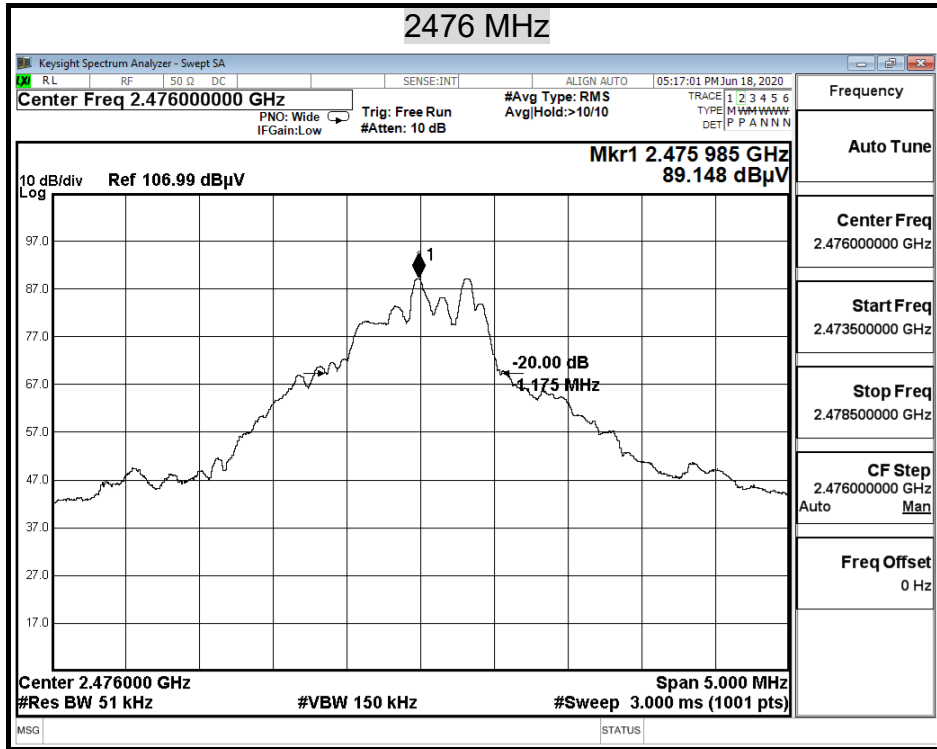
Humidity: 56% RH

Polarity: Ver. / Hor.

| Channel | Frequency (MHz) | 20 dB Bandwidth (MHz) |
|---------|-----------------|-----------------------|
| LOW | 2406 | 1.366 |
| MIDDLE | 2440 | 1.254 |
| HIGH | 2476 | 1.175 |

TEST PLOT





7.2 BAND EDGES MEASUREMENT

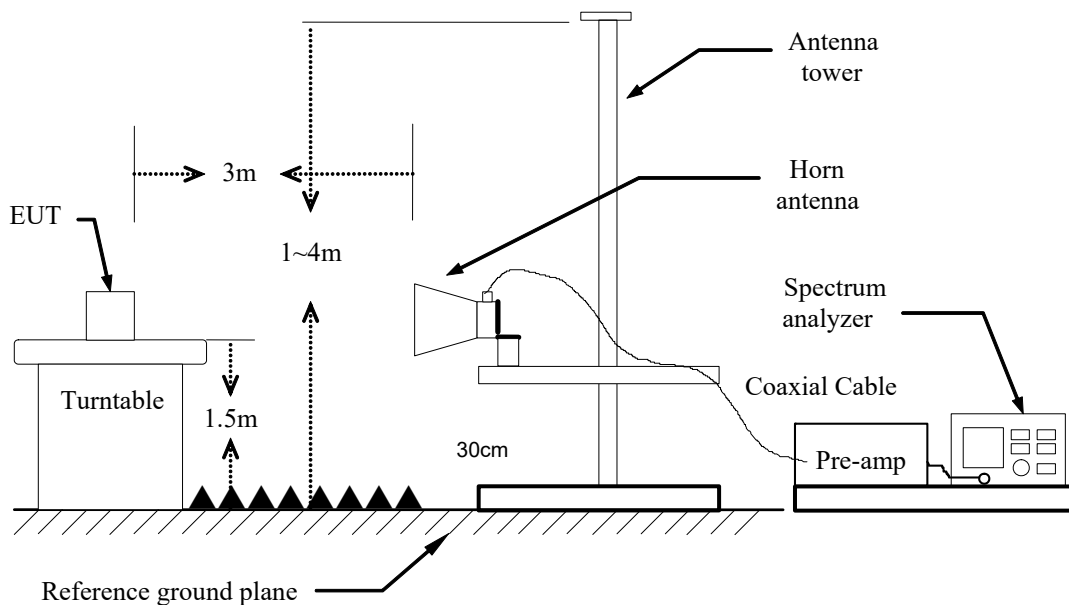
LIMIT

1. In the above emission table, the tighter limit applies at the band edges.

| Frequency (MHz) | Field Strength ($\mu\text{V/m}$ at 3-meter) | Field Strength ($\text{dB}\mu\text{V/m}$ at 3-meter) |
|-----------------|--|---|
| 30-88 | 100 | 40 |
| 88-216 | 150 | 43.5 |
| 216-960 | 200 | 46 |
| Above 960 | 500 | 54 |

2. As shown in Section 15.35(b), for frequencies above 1000 MHz, the above field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT is placed on a turntable, which is 1.5m above the ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=1MHz , VBW=3MHz / Sweep=AUTO
 - (b) AVERAGE: Peak Level + Duty Factor
5. Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.

TEST RESULTS

Operation Mode: TX

Temperature: 27.8°C

Humidity: 56% RH

Test Date: 2020/06/18

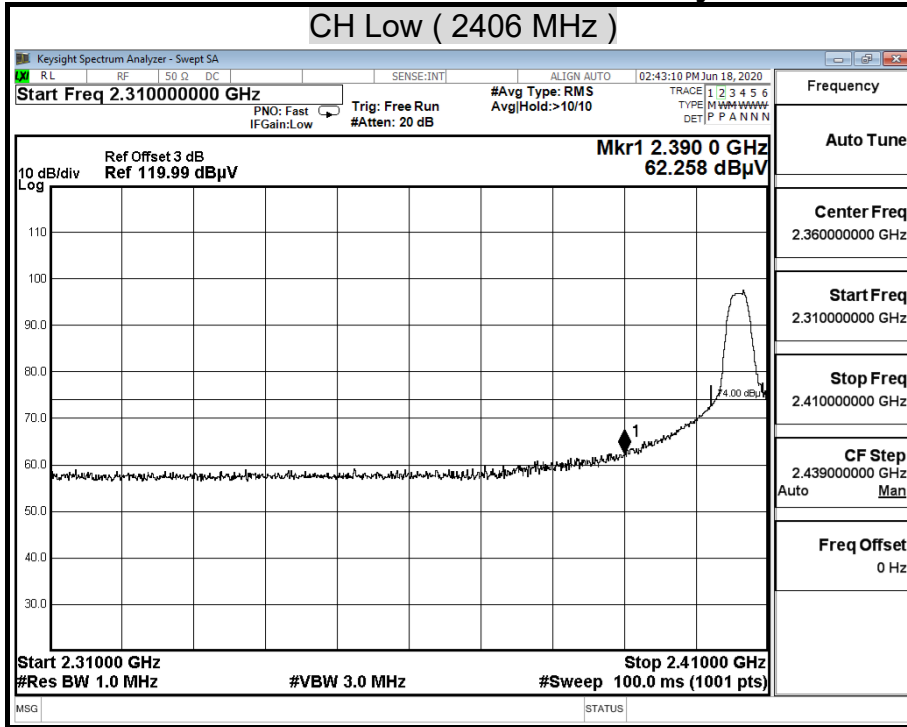
Tested by: Ted Huang

Polarity: Ver. / Hor.

TEST PLOT

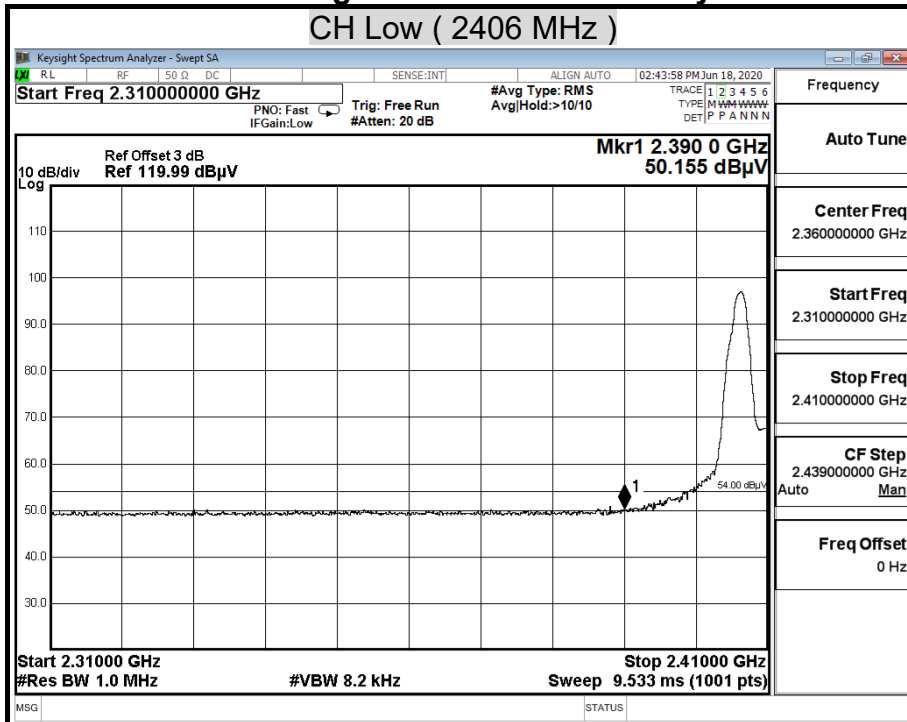
Detector mode : Peak

Polarity : Horizontal



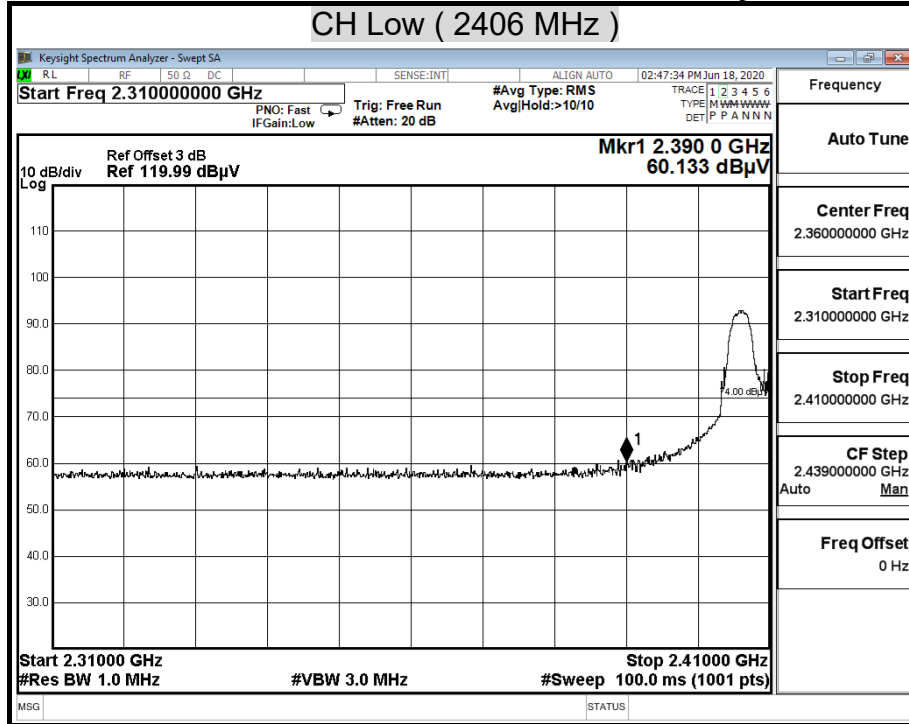
Detector mode : Average

Polarity : Horizontal



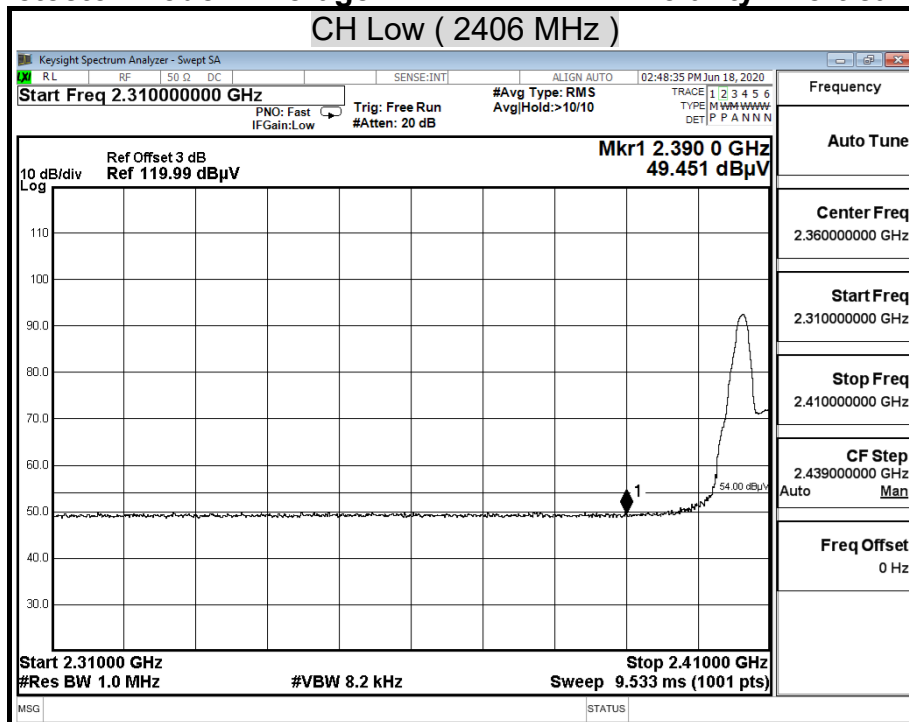
Detector mode : Peak

Polarity : Vertical



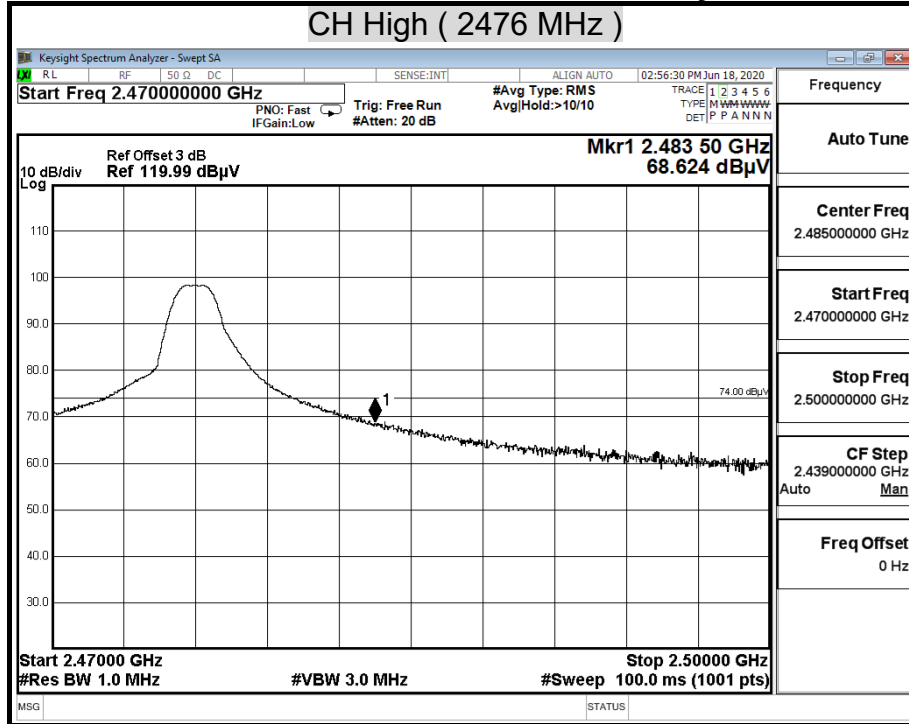
Detector mode : Average

Polarity : Vertical



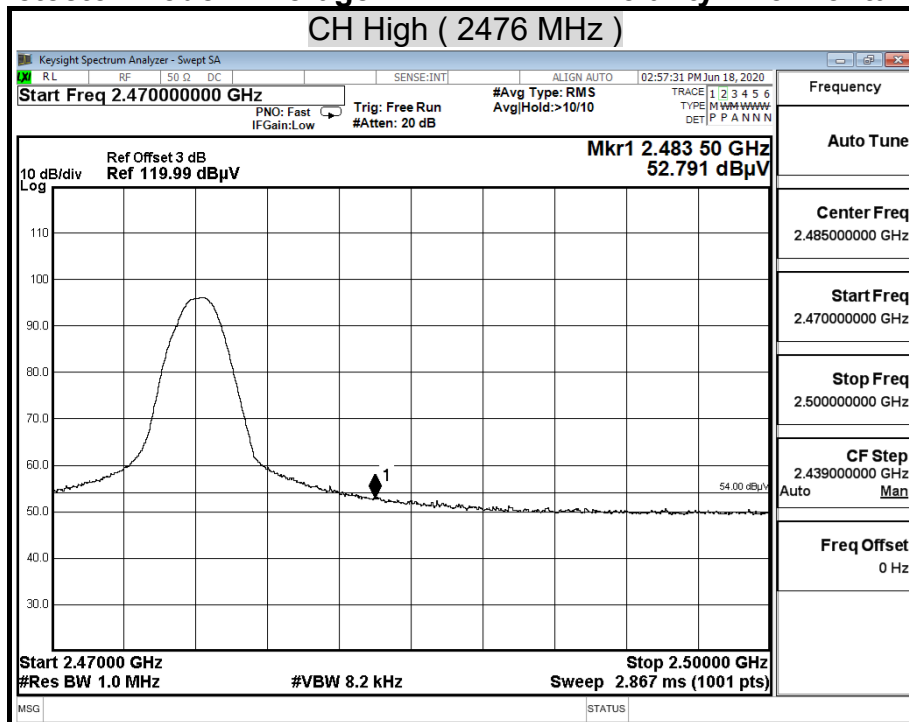
Detector mode : Peak

Polarity : Horizontal



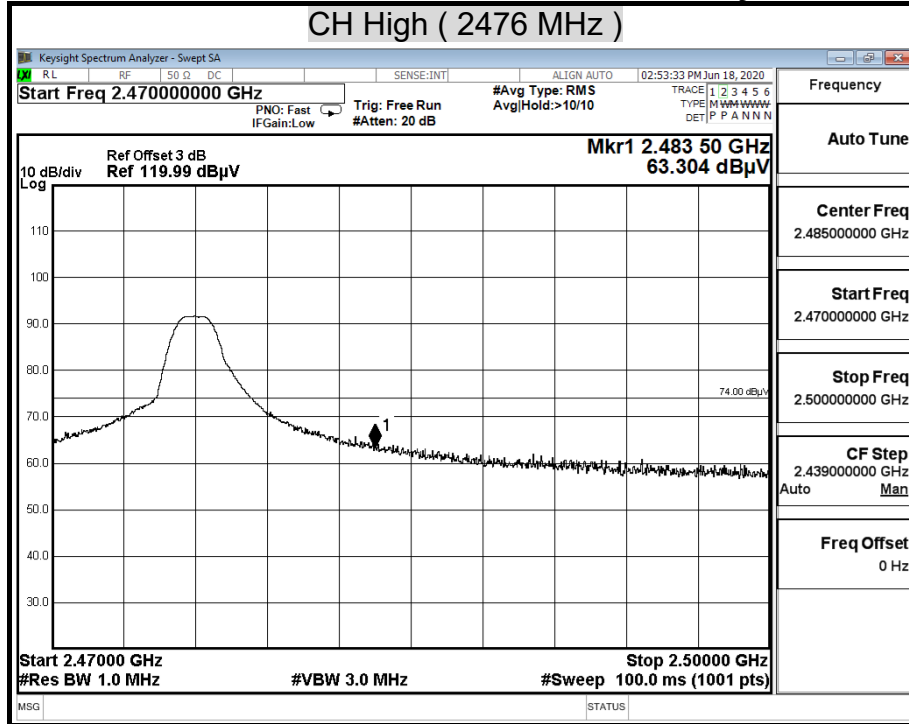
Detector mode : Average

Polarity : Horizontal



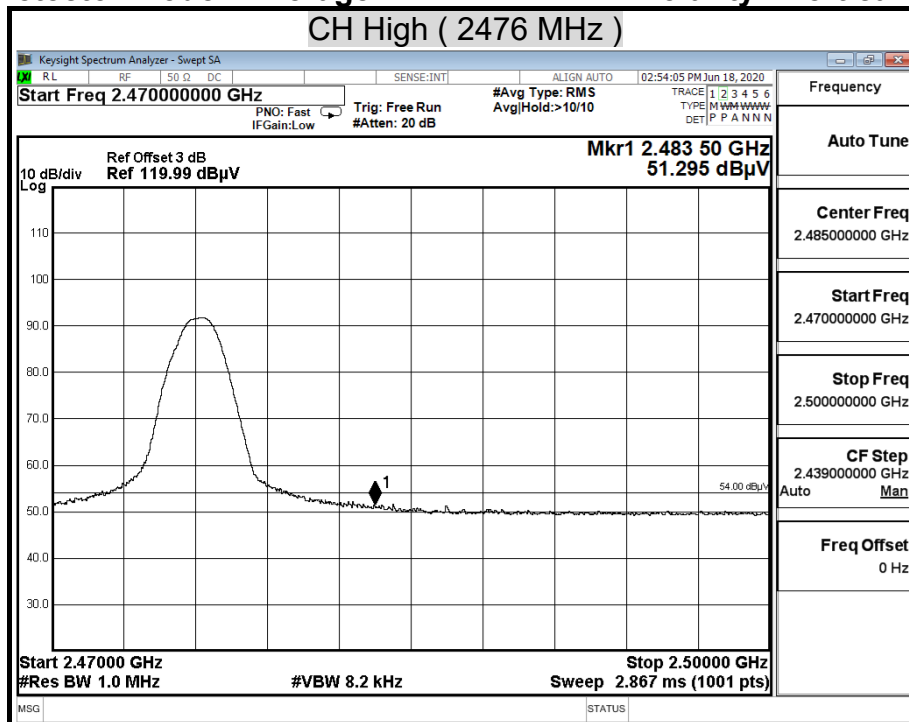
Detector mode : Peak

Polarity : Vertical



Detector mode : Average

Polarity : Vertical

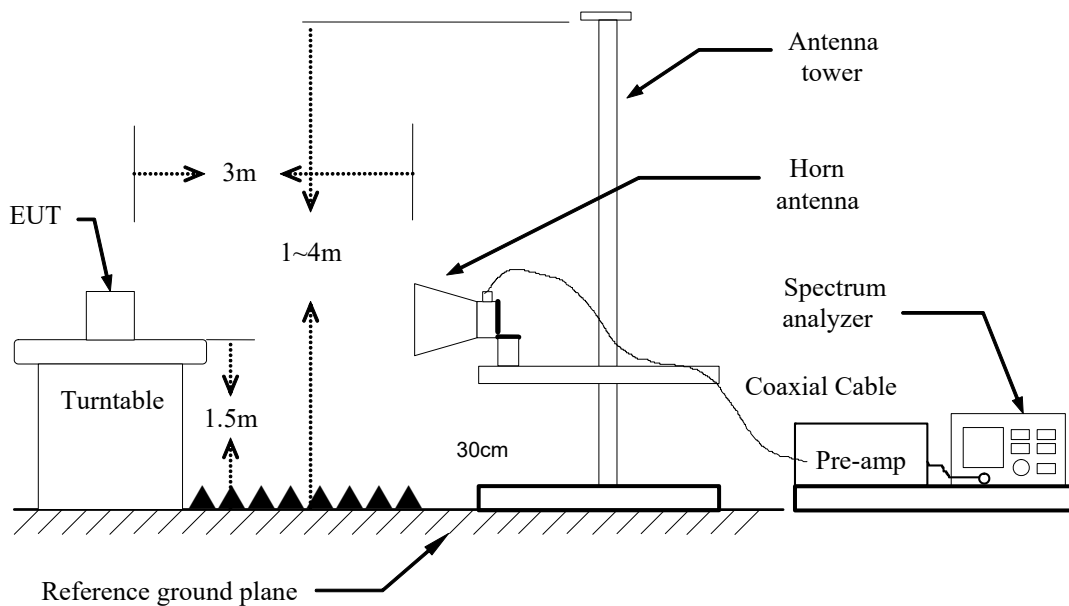


7.3 DUTY CYCLE

LIMIT

Nil (No dedicated limit specified in the Rules)

TEST CONFIGURATIONS



TEST PROCEDURE

1. Place the EUT on the table and set it in transmitting mode.
2. Set center frequency of spectrum analyzer = operating frequency.
3. Set the spectrum analyzer as RBW, VBW=100KHz, Span = 0Hz, a suitable Sweep Time.
4. Repeat above procedures until all frequency measured were complete.

TEST RESULTS

No non-compliance noted.

TEST DATA

Operation Mode: TX

Test Date: 2020/06/18

Temperature: 27.8°C

Tested by: Ted Huang

Humidity: 56% RH

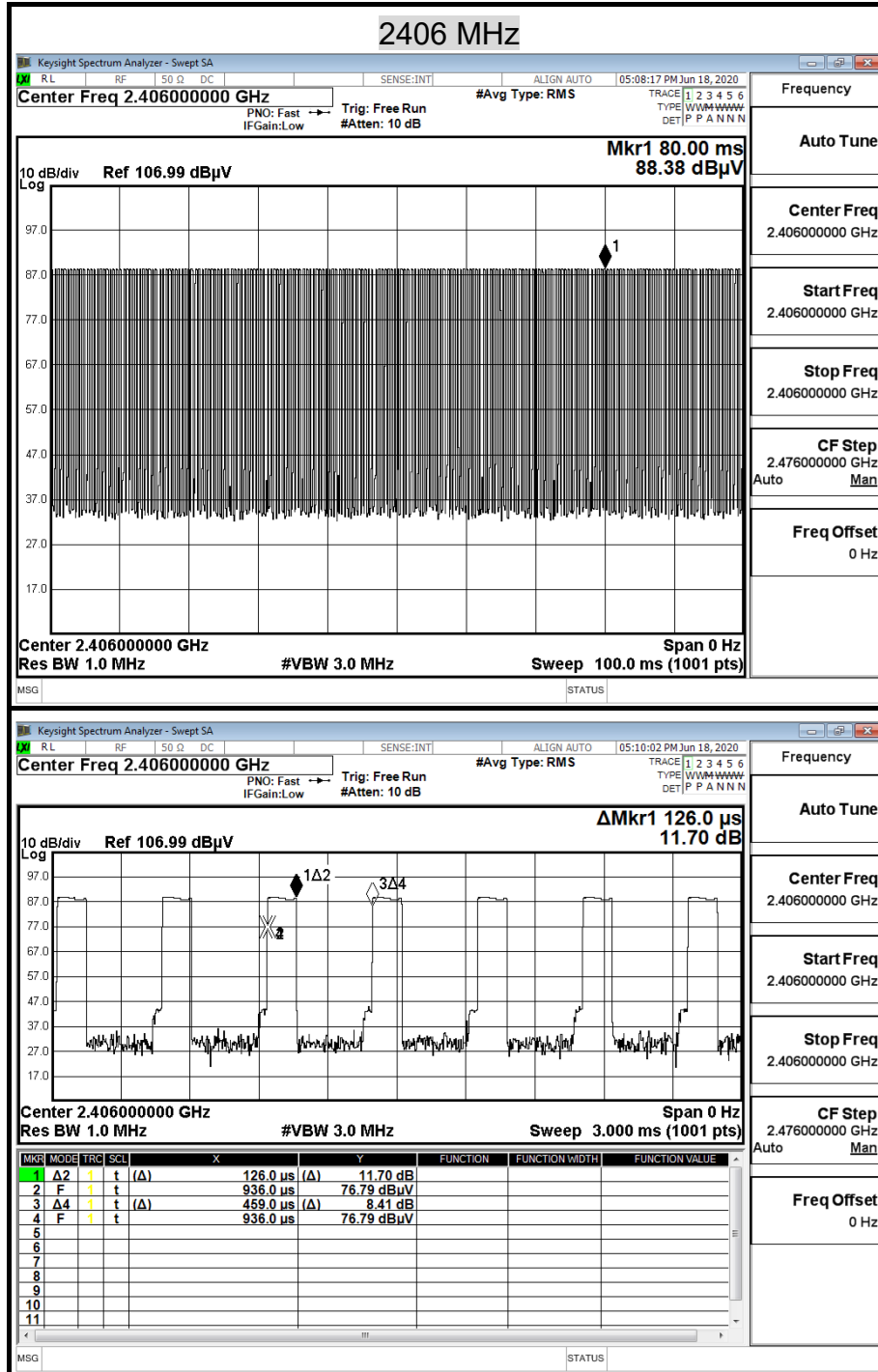
Polarity: Ver. / Hor.

| | us | Times | Ton | Total Ton time(ms) |
|------|---------|-------|---------|--------------------|
| Ton1 | 126.000 | 1 | 126.000 | 0.126 |
| Ton2 | | 0 | 0.000 | |
| Ton3 | | 0 | 0.000 | |
| Tp | | | | 0.459 |

| | |
|--------------|---------|
| Ton | 0.126 |
| Tp(Ton+Toff) | 0.459 |
| Duty Cycle | 0.275 |
| Duty Factor | -11.229 |

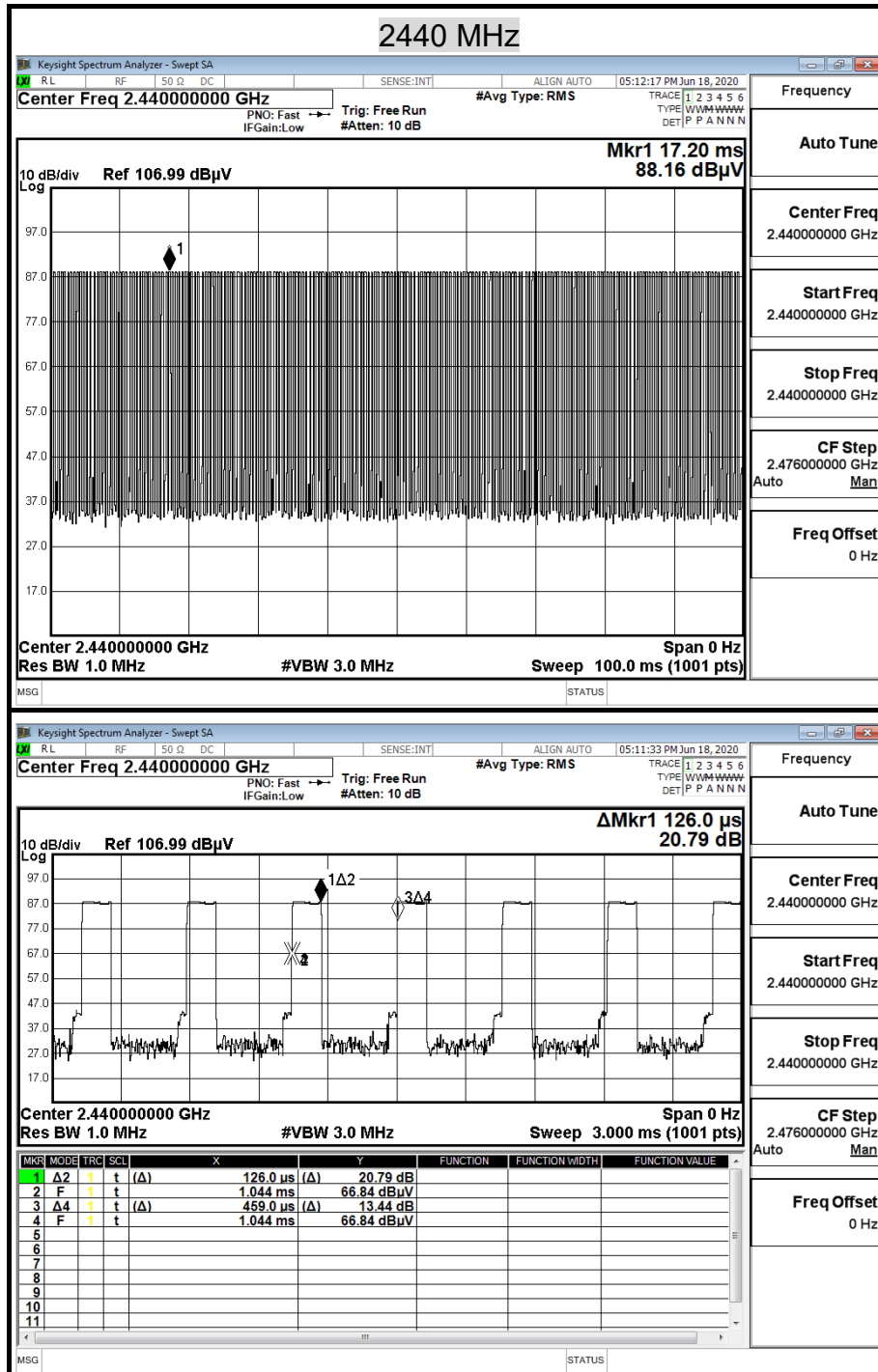
27.451 %

TEST PLOT



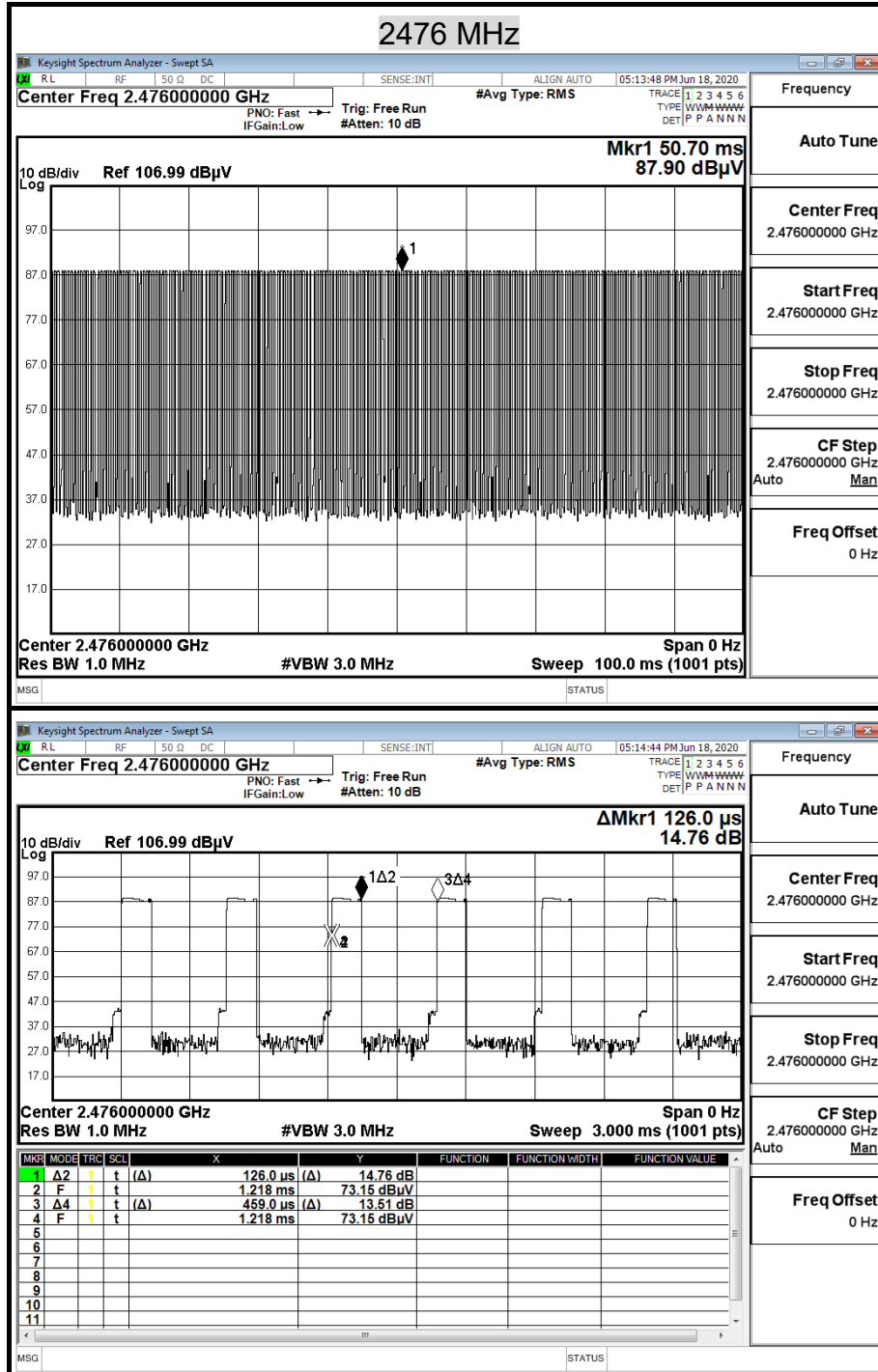
Report No.: T210414N07-RP1

Ref. No.: T190823N03-RP1



Report No.: T210414N07-RP1

Ref. No.: T190823N03-RP1



7.4 SPURIOUS EMISSION

LIMIT

1. In the section 15.249(a):

Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

| Fundamental Frequency (MHz) | Field Strength of Fundamental Field Strength (mV/m) | Field Strength of Harmonics (µV/m) |
|-----------------------------|---|------------------------------------|
| 902-928 MHz | 50 | 500 |
| 2400 - 2483.5 MHz | 50 | 500 |
| 5725 - 5875 MHz | 50 | 500 |
| 24.0 - 24.25 GHz | 250 | 2500 |

2. Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength (µV/m) | Measurement Distance (m) |
|-----------------|-----------------------|--------------------------|
| 30-88 | 100* | 3 |
| 88-216 | 150* | 3 |
| 216-960 | 200* | 3 |
| Above 960 | 500 | 3 |

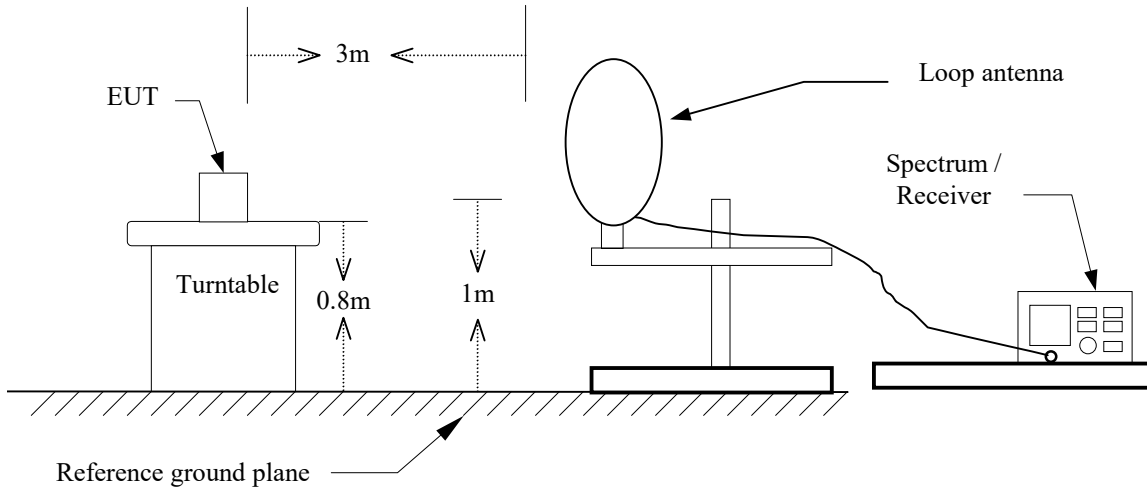
Remark: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

3. In the above emission table, the tighter limit applies at the band edges.

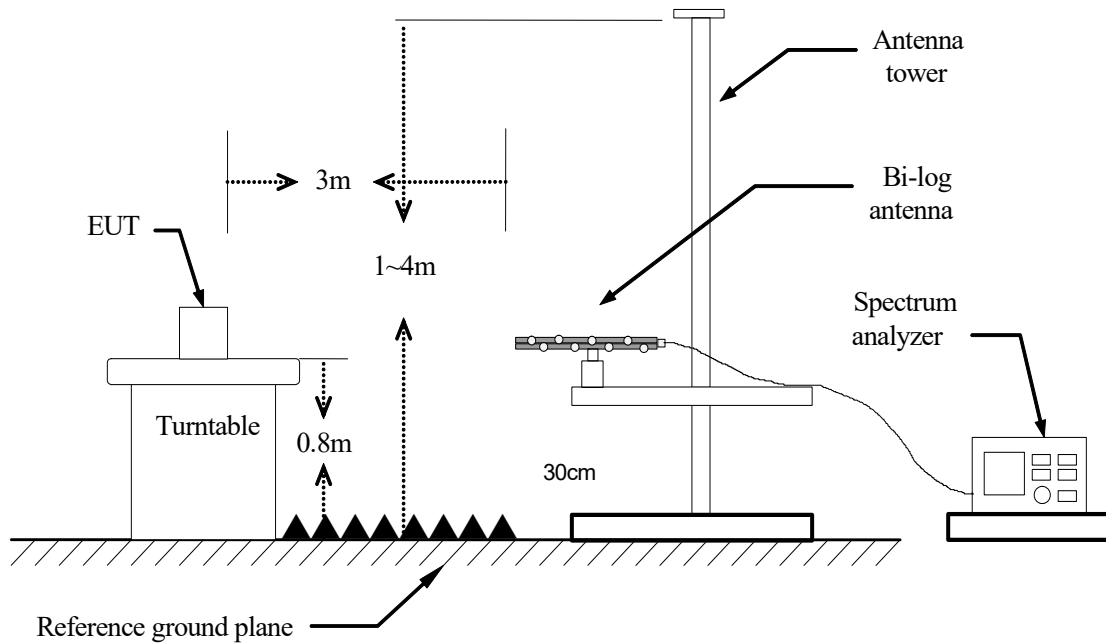
| Frequency (MHz) | Field Strength (µV/m at 3-meter) | Field Strength (dBµV/m at 3-meter) |
|-----------------|----------------------------------|------------------------------------|
| 30-88 | 100 | 40 |
| 88-216 | 150 | 43.5 |
| 216-960 | 200 | 46 |
| Above 960 | 500 | 54 |

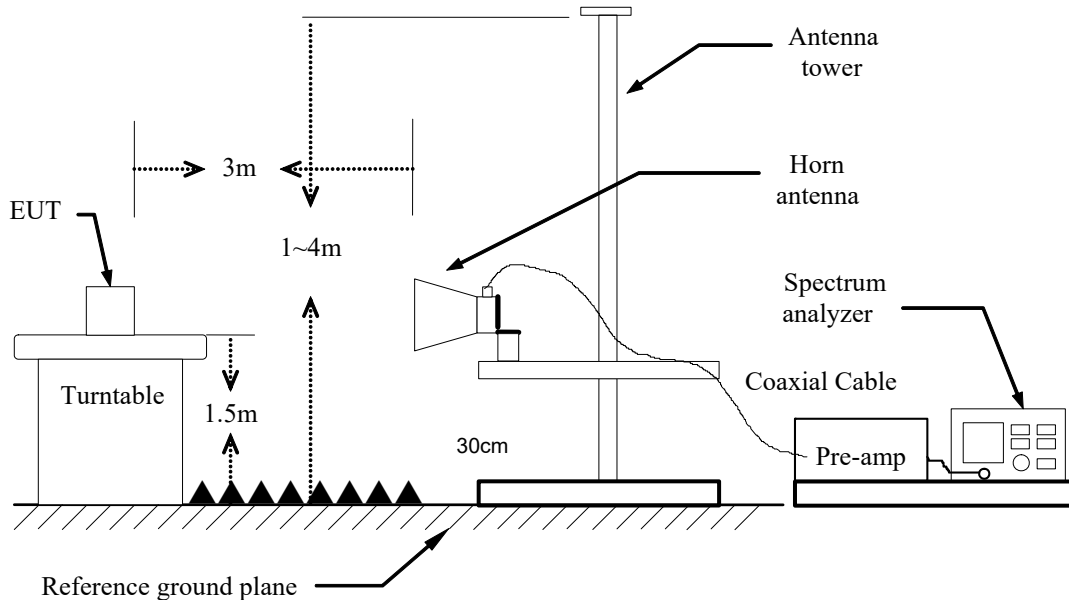
TEST CONFIGURATION

9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz**TEST PROCEDURE**

1. The EUT is placed on a turntable, which is 0.8/1.5m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:
Below 1GHz:
RBW=100kHz / VBW=300kHz / Sweep=AUTO
Above 1GHz:
(a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
(b) AVERAGE: Peak Level + Duty Factor
7. Repeat above procedures until the measurements for all frequencies are complete.

Report No.: T210414N07-RP1

Ref. No.: T190823N03-RP1

Below 1 GHz

Operation Mode: TX

Test Date: 2020/06/18

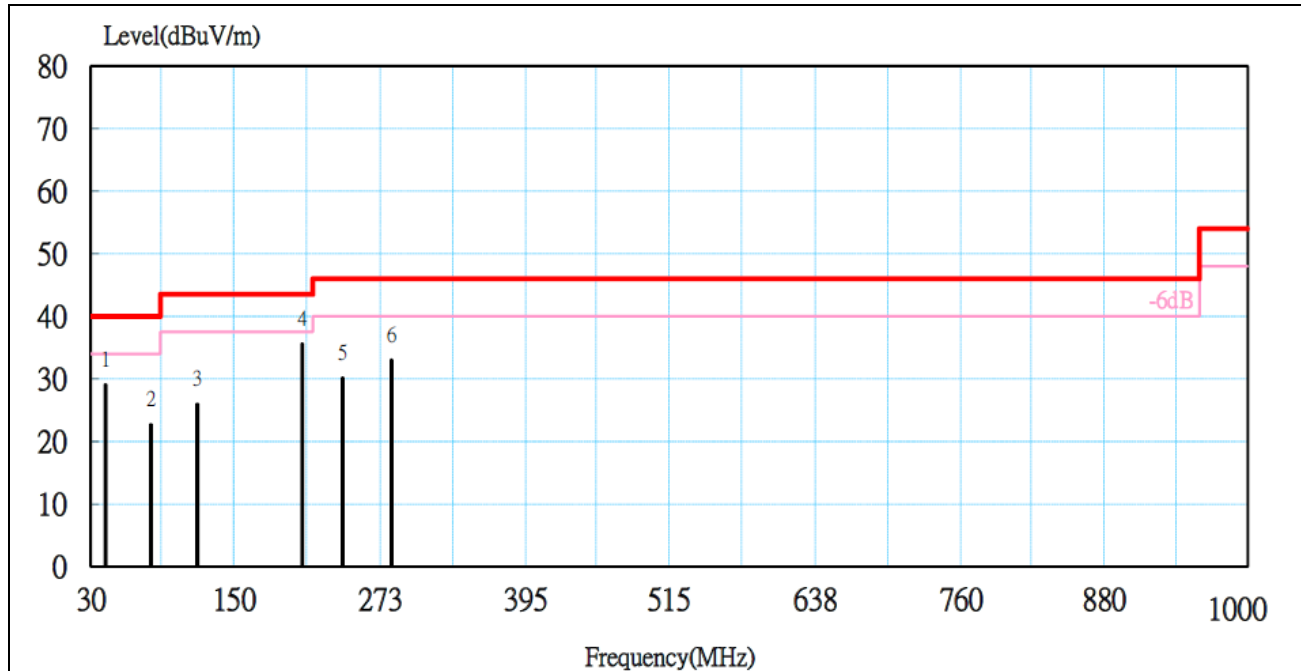
Temperature: 26.4°C

Tested by: Ted Huang

Humidity: 52% RH

Polarity: Ver. / Hor.

Vertical



| No. | Freq- Uency (MHz) | Meter Reading at 3 m Level (dBμV) | Antenna Factor (dB/m) | Cable Loss (dB) | Emission at 3 m Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Mode PK/QP |
|-----|-------------------------|---|-----------------------------|-----------------------|--------------------------------------|--------------------|----------------|---------------------------|
| 1 | 42.20 | 8.85 | 19.27 | 0.99 | 29.11 | 40.00 | -10.89 | QP |
| 2 | 80.96 | 7.12 | 14.26 | 1.36 | 22.74 | 40.00 | -17.26 | QP |
| 3 | 119.85 | 3.84 | 20.48 | 1.72 | 26.04 | 43.50 | -17.46 | QP |
| 4 | 207.12 | 13.72 | 19.53 | 2.38 | 35.63 | 43.50 | -7.87 | QP |
| 5 | 241.28 | 8.86 | 18.71 | 2.61 | 30.18 | 46.00 | -15.82 | QP |
| 6 | 282.56 | 10.55 | 19.54 | 2.96 | 33.05 | 46.00 | -12.95 | QP |

Remark:

- No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).
- Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using peak/quasi-peak detector mode.
- Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit or as required by the applicant.
- Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- Margin (dB) = Remark result (dBuV/m) – Quasi-peak limit (dBuV/m).
- That the limit for signals below 1GHz is a QP limit and peak readings are below the QP limit.
- The fundamental signal is not shown in the test data because measurements at fundamental frequency are shown separately and were ignored during the 30 – 1000 MHz scan.

Report No.: T210414N07-RP1

Ref. No.: T190823N03-RP1

Operation Mode: TX

Test Date: 2020/06/18

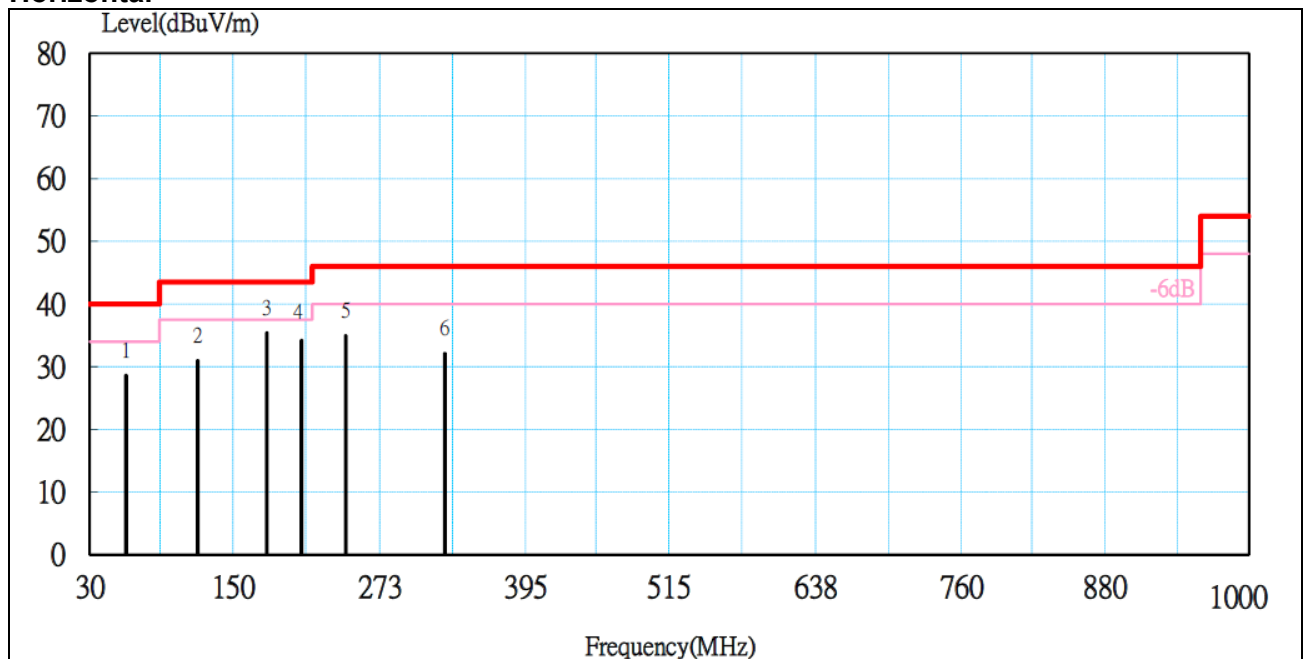
Temperature: 26.4°C

Tested by: Ted Huang

Humidity: 52% RH

Polarity: Ver. / Hor.

Horizontal



| No. | Freq- Uency | Meter Reading at 3 m Level | Antenna Factor | Cable Loss | Emission at 3 m Level | Limits | Margin | Detector Mode |
|-----|----------------|-------------------------------|-------------------|---------------|--------------------------|----------|--------|------------------|
| | (MHz) | (dBμV) | (dB/m) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | PK/QP |
| 1 | 60.88 | 13.42 | 14.07 | 1.18 | 28.67 | 40.00 | -11.33 | QP |
| 2 | 120.08 | 8.82 | 20.50 | 1.72 | 31.04 | 43.50 | -12.46 | QP |
| 3 | 178.12 | 15.42 | 17.89 | 2.15 | 35.47 | 43.50 | -8.03 | QP |
| 4 | 207.56 | 12.38 | 19.52 | 2.38 | 34.28 | 43.50 | -9.22 | QP |
| 5 | 244.50 | 13.72 | 18.63 | 2.63 | 34.98 | 46.00 | -11.02 | QP |
| 6 | 327.86 | 8.12 | 20.74 | 3.31 | 32.17 | 46.00 | -13.83 | QP |

Remark:

- No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).
- Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using peak/quasi-peak detector mode.
- Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit or as required by the applicant.
- Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- Margin (dB) = Remark result (dBuV/m) – Quasi-peak limit (dBuV/m).
- That the limit for signals below 1GHz is a QP limit and peak readings are below the QP limit.
- The fundamental signal is not shown in the test data because measurements at fundamental frequency are shown separately and were ignored during the 30 – 1000 MHz scan.

The fundamental signal

Operation Mode: TX CH Low

Test Date: 2020/06/18

Temperature: 27.8°C

Tested by: Ted Huang

Humidity: 56% RH

Polarity: Ver. / Hor.

Horizontal

| Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|----------|---------|--------|------------|---------|--------|----------|----------|---------|---------|
| (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| 2406.000 | 110.891 | 30.275 | 3.009 | 45.051 | 0.000 | 99.124 | 114.000 | -14.876 | P |
| 2406.000 | - | - | - | - | - | 87.895 | 94.000 | -6.105 | A |

Vertical

| Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|----------|---------|--------|------------|---------|--------|----------|----------|---------|---------|
| (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| 2406.000 | 104.617 | 30.275 | 3.009 | 45.051 | 0.000 | 92.850 | 114.000 | -21.150 | P |
| 2406.000 | - | - | - | - | - | 81.621 | 94.000 | -12.379 | A |

Remark:

Margin (dB) = Remark result (dBuV/m) – Quasi-peak limit (dBuV/m).

Operation Mode: TX CH Middle

Test Date: 2020/06/18

Temperature: 27.8°C

Tested by: Ted Huang

Humidity: 56% RH

Polarity: Ver. / Hor.

Horizontal

| Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|---------|---------|--------|------------|---------|--------|----------|----------|---------|---------|
| (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| 2440.00 | 110.655 | 30.248 | 3.028 | 45.026 | 0.000 | 98.905 | 114.000 | -15.095 | P |
| 2440.00 | - | - | - | - | - | 87.676 | 94.000 | -6.324 | A |

Vertical

| Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|---------|---------|--------|------------|---------|--------|----------|----------|---------|---------|
| (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| 2440.00 | 102.630 | 30.248 | 3.028 | 45.026 | 0.000 | 90.880 | 114.000 | -23.120 | P |
| 2440.00 | - | - | - | - | - | 79.651 | 94.000 | -14.349 | A |

Remark:

Margin (dB) = Remark result (dBuV/m) – Quasi-peak limit (dBuV/m).

Operation Mode: TX CH High

Test Date: 2020/06/18

Temperature: 27.8°C

Tested by: Ted Huang

Humidity: 56% RH

Polarity: Ver. / Hor.

Horizontal

| Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|---------|---------|--------|------------|---------|--------|----------|----------|---------|---------|
| (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| 2476.00 | 110.606 | 30.219 | 3.047 | 44.998 | 0.000 | 98.874 | 114.000 | -15.126 | P |
| 2476.00 | - | - | - | - | - | 87.645 | 94.000 | -6.355 | A |

Vertical

| Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|---------|---------|--------|------------|---------|--------|----------|----------|---------|---------|
| (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| 2476.00 | 102.044 | 30.219 | 3.047 | 44.998 | 0.000 | 90.312 | 114.000 | -23.688 | P |
| 2476.00 | - | - | - | - | - | 79.083 | 94.000 | -14.917 | A |

Remark:

Margin (dB) = Remark result (dBuV/m) – Quasi-peak limit (dBuV/m).

Above 1 GHz

Operation Mode: TX CH Low

Test Date: 2020/06/18

Temperature: 27.8°C

Tested by: Ted Huang

Humidity: 56% RH

Polarity: Ver. / Hor.

Horizontal

| | Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|---|---------|---------|--------|------------|---------|--------|----------|----------|--------|---------|
| | (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| * | 1327.25 | 57.72 | 25.77 | 2.29 | 46.14 | 1.09 | 40.74 | 74.00 | -33.26 | P |
| * | 1327.25 | - | - | - | - | - | 29.51 | 54.00 | -24.49 | A |
| * | 4812.57 | 60.44 | 33.26 | 4.31 | 44.77 | 0.36 | 53.60 | 74.00 | -20.40 | P |
| * | 4812.57 | - | - | - | - | - | 42.38 | 54.00 | -11.62 | A |
| | 7218.25 | 55.35 | 38.73 | 5.39 | 44.05 | 0.33 | 55.75 | 74.00 | -18.25 | P |
| | 7218.25 | - | - | - | - | - | 44.52 | 54.00 | -9.48 | A |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m). Peak detector mode and average detector mode of the emission shown in Result column.
7. Average level=Peak level + Duty factor.

Operation Mode: TX CH Low

Test Date: 2020/06/18

Temperature: 27.8°C

Tested by: Ted Huang

Humidity: 56% RH

Polarity: Ver. / Hor.

Vertical

| Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|-----------|---------|--------|------------|---------|--------|----------|----------|--------|---------|
| (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| * 1329.61 | 60.96 | 25.78 | 2.30 | 46.13 | 1.08 | 43.99 | 74.00 | -30.01 | P |
| * 1329.61 | - | - | - | - | - | 32.76 | 54.00 | -21.24 | A |
| * 4812.47 | 58.07 | 33.26 | 4.31 | 44.77 | 0.36 | 51.23 | 74.00 | -22.77 | P |
| * 4812.47 | - | - | - | - | - | 40.01 | 54.00 | -13.99 | A |
| 7217.01 | 55.15 | 38.72 | 5.39 | 44.05 | 0.33 | 55.55 | 74.00 | -18.45 | P |
| 7217.01 | - | - | - | - | - | 44.32 | 54.00 | -9.68 | A |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m). Peak detector mode and average detector mode of the emission shown in Result column.
7. Average level=Peak level + Duty factor.

Operation Mode: TX CH Middle

Test Date: 2020/06/18

Temperature: 27.8°C

Tested by: Ted Huang

Humidity: 56% RH

Polarity: Ver. / Hor.

Horizontal

| Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|-----------|---------|--------|------------|---------|--------|----------|----------|--------|---------|
| (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| * 1327.21 | 57.56 | 25.77 | 2.29 | 46.14 | 1.09 | 40.58 | 74.00 | -33.42 | P |
| * 1327.21 | - | - | - | - | - | 29.35 | 54.00 | -24.65 | A |
| * 4879.85 | 59.11 | 33.49 | 4.35 | 44.78 | 0.38 | 52.55 | 74.00 | -21.45 | P |
| * 4879.85 | - | - | - | - | - | 41.33 | 54.00 | -12.67 | A |
| * 7320.61 | 54.37 | 39.12 | 5.43 | 43.94 | 0.32 | 55.30 | 74.00 | -18.70 | P |
| * 7320.61 | - | - | - | - | - | 44.07 | 54.00 | -9.93 | A |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m). Peak detector mode and average detector mode of the emission shown in Result column.
7. Average level=Peak level + Duty factor.

Operation Mode: TX CH Middle

Test Date: 2020/06/18

Temperature: 27.8°C

Tested by: Ted Huang

Humidity: 56% RH

Polarity: Ver. / Hor.

Vertical

| Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|-----------|---------|--------|------------|---------|--------|----------|----------|--------|---------|
| (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| * 1328.65 | 61.24 | 25.78 | 2.30 | 46.14 | 1.09 | 44.27 | 74.00 | -29.73 | P |
| * 1328.65 | - | - | - | - | - | 33.04 | 54.00 | -20.96 | A |
| * 4880.05 | 57.04 | 33.49 | 4.35 | 44.78 | 0.38 | 50.48 | 74.00 | -23.52 | P |
| * 4880.05 | - | - | - | - | - | 39.25 | 54.00 | -14.75 | A |
| * 7319.44 | 54.46 | 39.11 | 5.43 | 43.94 | 0.32 | 55.38 | 74.00 | -18.62 | P |
| * 7319.44 | - | - | - | - | - | 44.15 | 54.00 | -9.85 | A |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m). Peak detector mode and average detector mode of the emission shown in Result column.
7. Average level=Peak level + Duty factor.

Operation Mode: TX CH High

Test Date: 2020/06/18

Temperature: 27.8°C

Tested by: Ted Huang

Humidity: 56% RH

Polarity: Ver. / Hor.

Horizontal

| Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|-----------|---------|--------|------------|---------|--------|----------|----------|--------|---------|
| (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| * 1327.28 | 58.24 | 25.77 | 2.29 | 46.14 | 1.09 | 41.26 | 74.00 | -32.74 | P |
| * 1327.28 | - | - | - | - | - | 30.03 | 54.00 | -23.97 | A |
| * 4952.42 | 58.07 | 33.74 | 4.38 | 44.78 | 0.40 | 51.81 | 74.00 | -22.19 | P |
| * 4952.42 | - | - | - | - | - | 40.58 | 54.00 | -13.42 | A |
| * 7427.59 | 54.21 | 39.52 | 5.48 | 43.83 | 0.32 | 55.70 | 74.00 | -18.30 | P |
| * 7427.59 | - | - | - | - | - | 44.48 | 54.00 | -9.52 | A |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m). Peak detector mode and average detector mode of the emission shown in Result column.
7. Average level=Peak level + Duty factor.

Operation Mode: TX CH High

Test Date: 2020/06/18

Temperature: 27.8°C

Tested by: Ted Huang

Humidity: 56% RH

Polarity: Ver. / Hor.

Vertical

| Freq. | Reading | AF | Cable Loss | Pre-amp | Filter | Level | Limit | Margin | Mark |
|-----------|---------|--------|------------|---------|--------|----------|----------|--------|---------|
| (MHz) | (dBμV) | (dB/m) | (dB) | (dB) | (dB) | (dBμV/m) | (dBμV/m) | (dB) | (P/Q/A) |
| * 1330.52 | 60.78 | 25.79 | 2.30 | 46.13 | 1.08 | 43.82 | 74.00 | -30.18 | P |
| * 1330.52 | - | - | - | - | - | 32.59 | 54.00 | -21.41 | A |
| * 4951.77 | 58.24 | 33.74 | 4.38 | 44.78 | 0.40 | 51.97 | 74.00 | -22.03 | P |
| * 4951.77 | - | - | - | - | - | 40.75 | 54.00 | -13.25 | A |
| * 7427.95 | 54.87 | 39.53 | 5.48 | 43.83 | 0.32 | 56.36 | 74.00 | -17.64 | P |
| * 7427.95 | - | - | - | - | - | 45.13 | 54.00 | -8.87 | A |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m). Peak detector mode and average detector mode of the emission shown in Result column.
7. Average level=Peak level + Duty factor.

7.5 POWERLINE CONDUCTED EMISSIONS

LIMIT

According to §15.207(a), except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

| Frequency Range (MHz) | Limits (dB μ V) | |
|--------------------------|------------------------|----------|
| | Quasi-peak | Average |
| 0.15 to 0.50 | 66 to 56 | 56 to 46 |
| 0.50 to 5 | 56 | 46 |
| 5 to 30 | 60 | 50 |

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

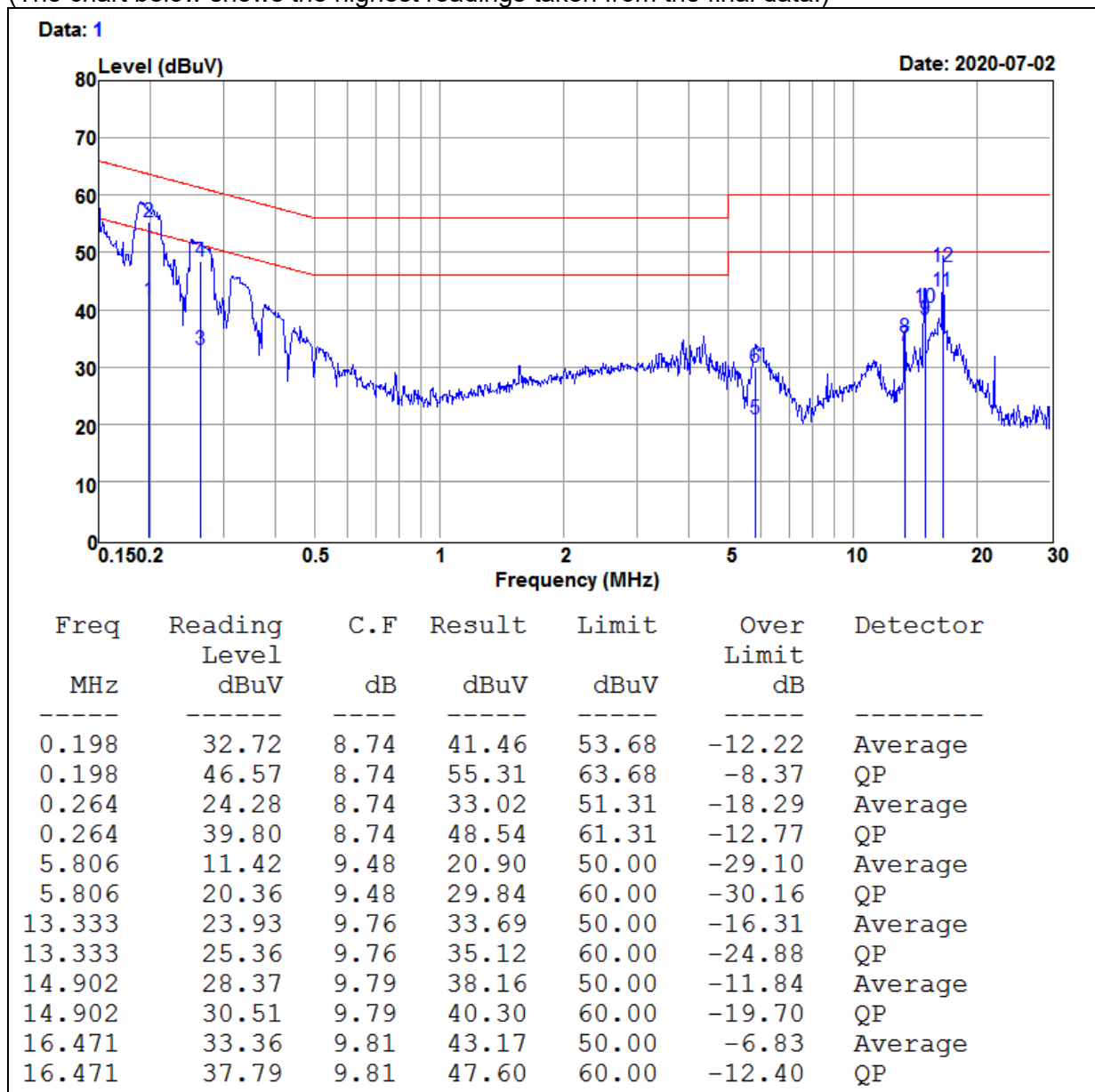
TEST RESULTS

Test Voltage : AC110V, 60Hz

| | | | |
|---------------------------------|----------------|-----------------------------|------------------|
| Model No. | JR-91 | Test Mode | Normal Operation |
| Environmental Conditions | 25.8°C, 62% RH | Resolution Bandwidth | 9 kHz |
| Tested by | Leo Wang | | |

LINE

(The chart below shows the highest readings taken from the final data.)

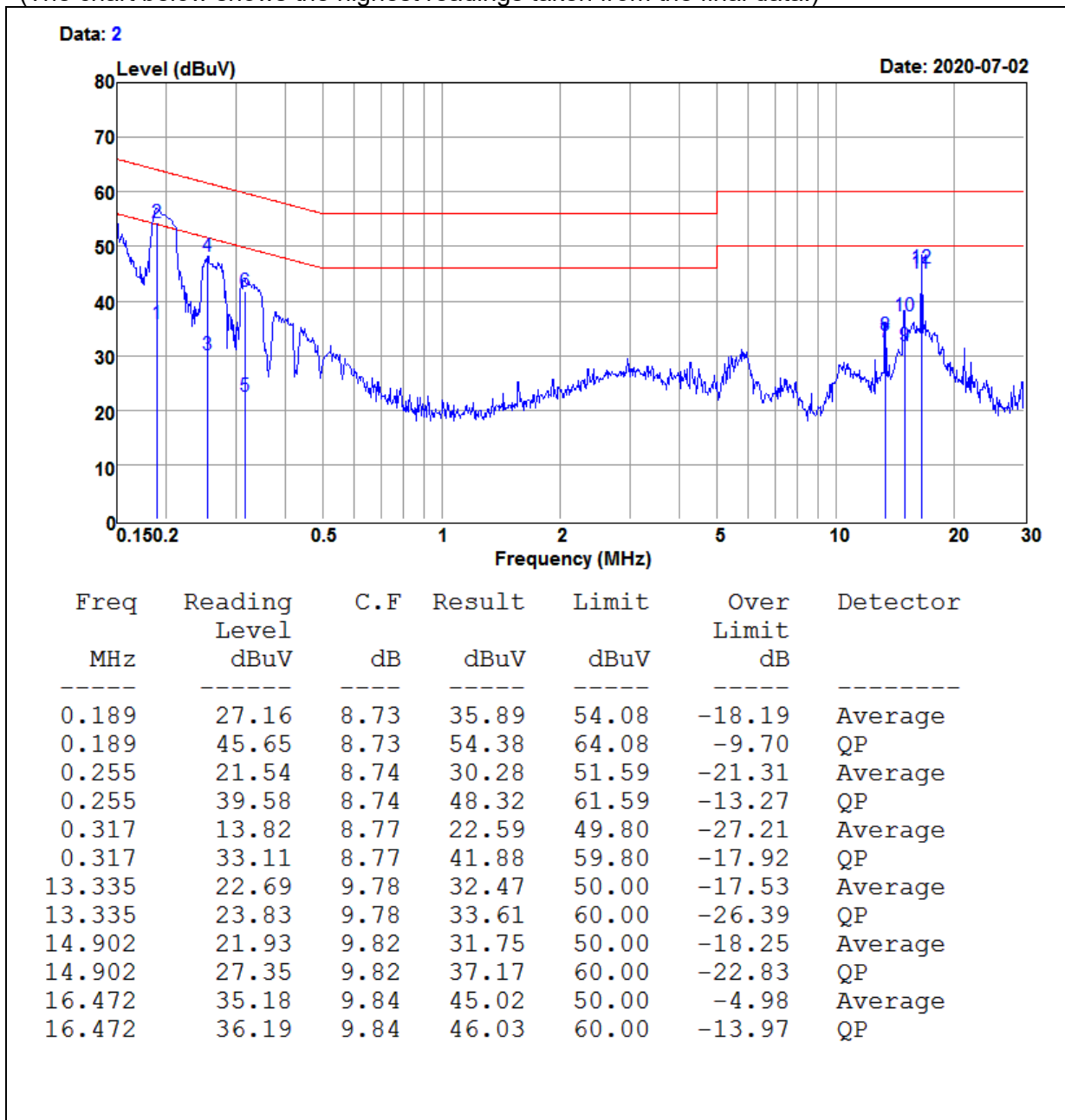


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

| | | | |
|---------------------------------|----------------|-----------------------------|------------------|
| Model No. | JR-91 | Test Mode | Normal Operation |
| Environmental Conditions | 25.8°C, 62% RH | Resolution Bandwidth | 9 kHz |
| Tested by | Leo Wang | | |

Neutral

(The chart below shows the highest readings taken from the final data.)



REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)