

TEST REPORT

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Report Number: 2401X46237E-RF-00
FCC ID: 2A632-UHRT08C

Test Standard (s)

FCC PART 15.231

Sample Description

Product Type: Remote Control Transmitter
Model No.: JHT2204B
Multiple Model(s) No.: UHRT08C
Trade Mark: **SURMIELEC**
Date Received: 2024/09/23
Issue Date: 2024/11/21

| | |
|--------------|-------|
| Test Result: | Pass▲ |
|--------------|-------|

▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

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Ekko Wu
RF Engineer

Approved By:

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Michelle Zeng
RF Supervisor

Note: The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

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DOCUMENT REVISION HISTORY

| Revision Number | Report Number | Description of Revision | Date of Revision |
|-----------------|-------------------|-------------------------|------------------|
| 0 | 2401X46237E-RF-00 | Original Report | 2024/11/21 |

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

| | |
|--|-------------------------------------|
| Product | Remote Control Transmitter |
| Tested Model | JHT2204B |
| Multiple Model(s) | UHRT08C |
| Frequency Range | 434 MHz |
| Maximum E-Field | 75.35 dBuV/m@3m |
| Modulation Technique | ASK |
| Voltage Range | DC 12V from battery |
| Sample number | 2RZ3-1 (Assigned by BACL, Shenzhen) |
| Sample/EUT Status | Good condition |
| Adapter Information | N/A |
| Note: The multiple models are electrically identical with the test model except for model name. Please refer to the declaration letter [#] for more detail, which was provided by manufacturer. | |

Objective

All the test measurements were performed according to the measurement procedure described in ANSI C63.10 - 2013.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, section 15.203, 15.205, 15.209, 15.35(c) and 15.231 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10 - 2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

| Parameter | | Uncertainty |
|------------------------------------|-----------------------------|--------------------------------------|
| Occupied Channel Bandwidth | | ±5% |
| AC Power Lines Conducted Emissions | 9kHz-150kHz | 3.94dB(k=2, 95% level of confidence) |
| | 150kHz-30MHz | 3.84dB(k=2, 95% level of confidence) |
| Radiated Emissions | 9kHz - 30MHz | 3.30dB(k=2, 95% level of confidence) |
| | 30MHz~200MHz (Horizontal) | 4.48dB(k=2, 95% level of confidence) |
| | 30MHz~200MHz (Vertical) | 4.55dB(k=2, 95% level of confidence) |
| | 200MHz~1000MHz (Horizontal) | 4.85dB(k=2, 95% level of confidence) |
| | 200MHz~1000MHz (Vertical) | 5.05dB(k=2, 95% level of confidence) |
| | 1GHz - 6GHz | 5.35dB(k=2, 95% level of confidence) |
| | 6GHz - 18GHz | 5.44dB(k=2, 95% level of confidence) |
| | 18GHz - 40GHz | 5.16dB(k=2, 95% level of confidence) |
| Temperature | | ±1°C |
| Humidity | | ±1% |
| Supply voltages | | ±0.4% |

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 715558, the FCC Designation No. : CN5045.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing by manufacturer.

Note: The EUT has 2 buttons (“ON” and “OFF” button); all buttons have the same RF parameters, the “ON” button was selected to test

Special Accessories

No special accessories was used

Equipment Modifications

No modification was made to the EUT.

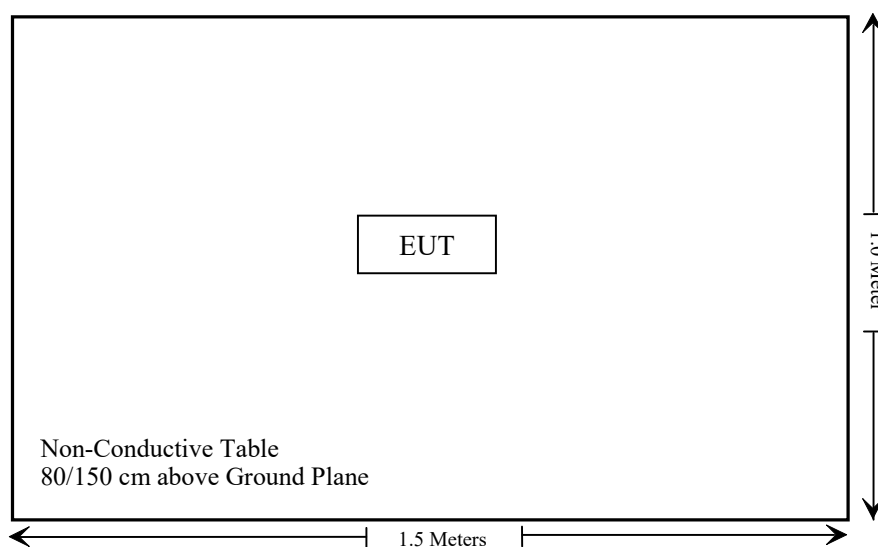
Support Equipment List and Details

| Manufacturer | Description | Model | Serial Number |
|--------------|-------------|-------|---------------|
| / | / | / | / |

External I/O Cable

| Cable Description | Length (m) | From Port | To |
|-------------------|------------|-----------|----|
| / | / | / | / |

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Result |
|------------------------------|-------------------------|----------------|
| §1.1307 (b) & §2.1093 | RF Exposure | Compliant |
| §15.203 | Antenna Requirement | Compliant |
| §15.207 (a) | Conducted Emissions | Not Applicable |
| §15.205, §15.209, §15.231(b) | Radiated Emissions | Compliant |
| §15.231 (c) | 20dB Emission Bandwidth | Compliant |
| §15.231 (a) (1) | Deactivation | Compliant |

Not Applicable: The EUT is powered by battery only.

TEST EQUIPMENT LIST AND DETAILS

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------------------------|--------------------------------------|----------------------|---------------|------------------|----------------------|
| Radiated Emissions Test | | | | | |
| Rohde & Schwarz | EMI Test Receiver | ESR3 | 102455 | 2024/01/16 | 2025/01/15 |
| Sonoma instrument | Pre-amplifier | 310 N | 186238 | 2024/05/21 | 2025/05/20 |
| Sunol Sciences | Broadband Antenna | JB1 | A040904-1 | 2023/07/20 | 2026/07/19 |
| Unknown | Cable | Chamber A Cable 1 | N/A | 2024/06/18 | 2025/06/17 |
| Unknown | Cable | XH500C | J-10M-A | 2024/06/18 | 2025/06/17 |
| BACL | Active Loop Antenna | 1313-1A | 4031911 | 2024/05/14 | 2027/05/13 |
| Unknown | Cable | 2Y194 | 0735 | 2024/05/21 | 2025/05/20 |
| Unknown | Cable | PNG214 | 1354 | 2024/05/21 | 2025/05/20 |
| Audix | EMI Test software | E3 | 19821b(V9) | NCR | NCR |
| Rohde & Schwarz | Spectrum Analyzer | FSV40 | 101605 | 2024/03/27 | 2025/03/26 |
| COM-POWER | Pre-amplifier | PA-122 | 181919 | 2024/06/18 | 2025/06/17 |
| Schwarzbeck | Horn Antenna | BBHA9120D(1201) | 1143 | 2023/07/26 | 2026/07/25 |
| Unknown | RF Cable | KMSE | 735 | 2024/06/18 | 2025/06/17 |
| Unknown | RF Cable | UFA147 | 219661 | 2024/06/18 | 2025/06/17 |
| Unknown | RF Cable | XH750A-N | J-10M | 2024/06/18 | 2025/06/17 |
| JD | Multiplex Switch Test Control Set | DT7220FSU | DQ77926 | 2024/06/18 | 2025/06/17 |
| Audix | EMI Test software | E3 | 191218(V9) | NCR | NCR |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §1.1307 (b) & §2.1093 - RF EXPOSURE

Applicable Standard

According to FCC §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB 447498 D04 Interim General RF Exposure Guidance v01, clause 2.1.2 – 1-mW test Exemption:

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

Test Result:

For worst case:

| Mode | Frequency (MHz) | Maximum E-Field (dBuV/m@3m) | Maximum EIRP | | Test Exemption (mW) |
|------|--------------------|-----------------------------------|--------------|------|------------------------|
| | | | (dBm) | (mW) | |
| SRD | 434 | 75.35 | -19.85 | 0.01 | 1 |

Note 1: The Maximum EIRP= Maximum E-Field -95.2

Result: Compliant.

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, 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.

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.

Antenna Connector Construction

The EUT has a PCB antenna arrangement which was permanently attached. And the antenna gain is 0 dBi; fulfill the requirement of this section. Please refer to EUT photos.

Result: Compliant.

FCC §15.205, §15.209, §15.231 (b) - RADIATED EMISSIONS

Applicable Standard

FCC §15.205, §15.209, §15.231 (b)

According to FCC §15.231(b), the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

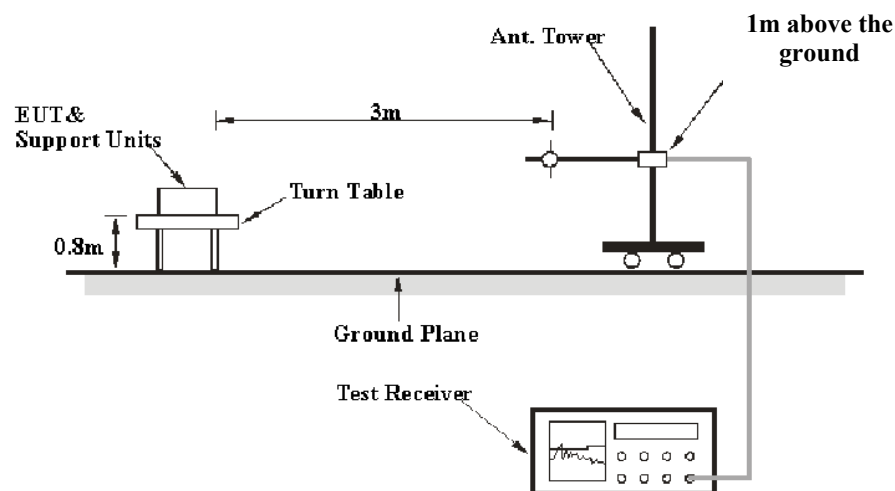
| Fundamental frequency (MHz) | Field Strength of Fundamental (Microvolts /meter) | Field Strength of spurious emissions ((Microvolts /meter) |
|-----------------------------|---|---|
| 40.66-40.70 | 2250 | 225 |
| 70-130 | 1250 | 125 |
| 130-174 | 1250 to 3750** | 125 to 375** |
| 174-260 | 3750 | 375 |
| 260-470 | 3750 to 12500** | 375 to 1250** |
| Above 470 | 12500 | 1250 |

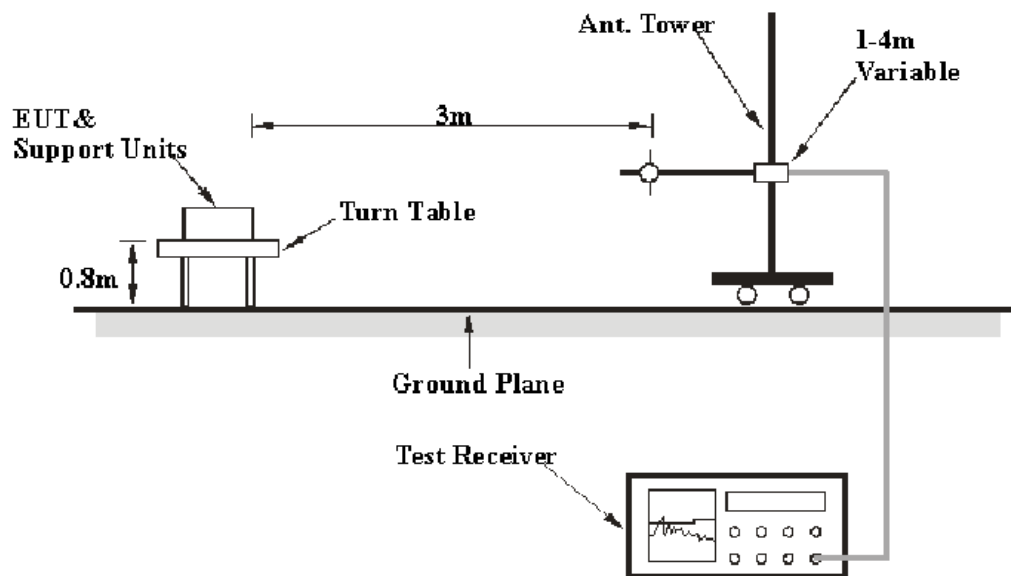
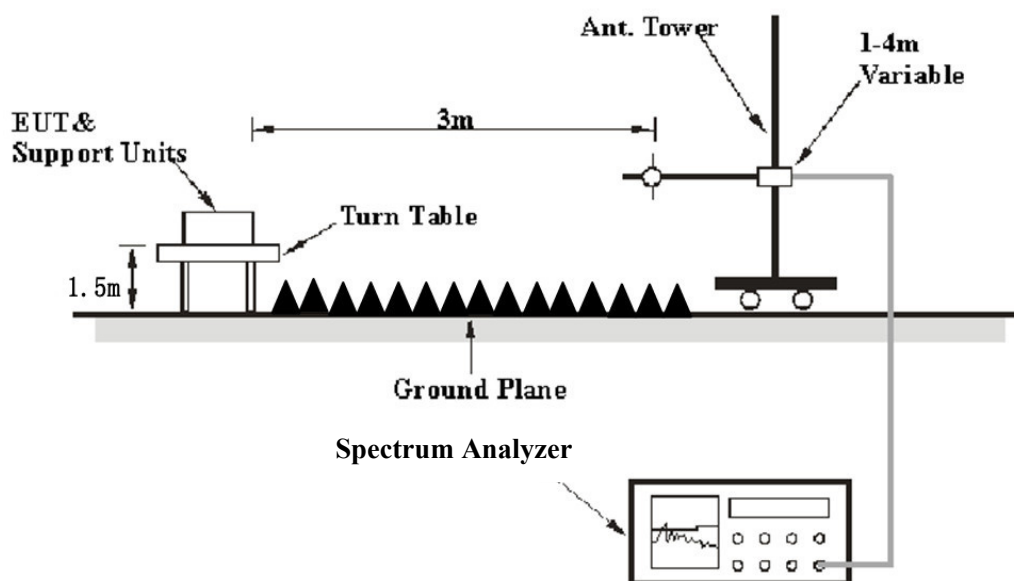
*Linear interpolations.

The above field strength limits are specified at a distance of 3-meters the tighter limits apply at the band edges.

EUT Setup

9 kHz-30MHz:



30MHz-1GHz:**Above 1 GHz:**

The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10 - 2013. The specification used was the FCC 15 § 15.209, 15.205 and 15.231.

EMI Test Receiver & Spectrum Analyzer Setup

The EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

| Frequency Range | RBW | Video B/W | IF B/W | Measurement |
|-------------------|---|-----------|---------|-------------|
| 9 kHz – 150 kHz | / | / | 200 Hz | QP |
| | 300 Hz | 1 kHz | / | PK |
| 150 kHz – 30 MHz | / | / | 9 kHz | QP |
| | 10 kHz | 30 kHz | / | PK |
| 30 MHz – 1000 MHz | / | / | 120 kHz | QP |
| | 100 kHz | 300 kHz | / | PK |
| Above 1 GHz | Harmonics & Band Edge | | | |
| | 1MHz | 3 MHz | / | PK |
| | Average Emission Level=Peak Emission Level+20*log(Duty cycle) | | | |
| | Other Emissions | | | |
| | 1MHz | 3 MHz | / | PK |
| | 1MHz | ≥ 10 Hz | / | Average |

For Duty cycle measurement:

Use the duty cycle factor correction factor method per 15.35(c).

Duty cycle=On time/100milliseconds, On time= $N_1 \cdot L_1 + N_2 \cdot L_2 + \dots + N_{n-1} \cdot L_{n-1} + N_n \cdot L_n$,

Where N_1 is number of type 1 pulses, L_1 is length of type 1 pulse, etc.

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All final data was recorded in Quasi-peak detection mode except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz, average detection modes for frequency bands 9–90 kHz and 110–490 kHz, peak and average detection modes for frequencies above 1 GHz.

For 9 kHz-30MHz, the report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground-parallel) unless the margin is greater than 20 dB.

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

All emissions under the average limit and under the noise floor have not recorded in the report.

Factor & Over Limit/Margin Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Over Limit/Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

$$\begin{aligned}\text{Over Limit/Margin} &= \text{Level / Corrected Amplitude} - \text{Limit} \\ \text{Level / Corrected Amplitude} &= \text{Read Level} + \text{Factor}\end{aligned}$$

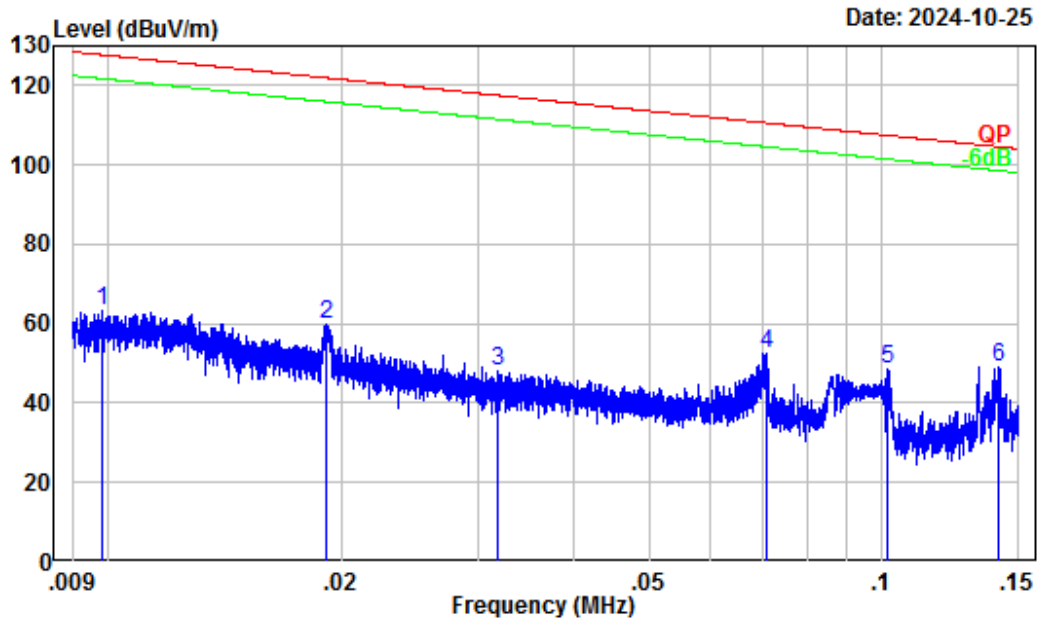
Test Data

Environmental Conditions

| | |
|--------------------|------------|
| Temperature: | 25~25.1 °C |
| Relative Humidity: | 52~58 % |
| ATM Pressure: | 101 kPa |

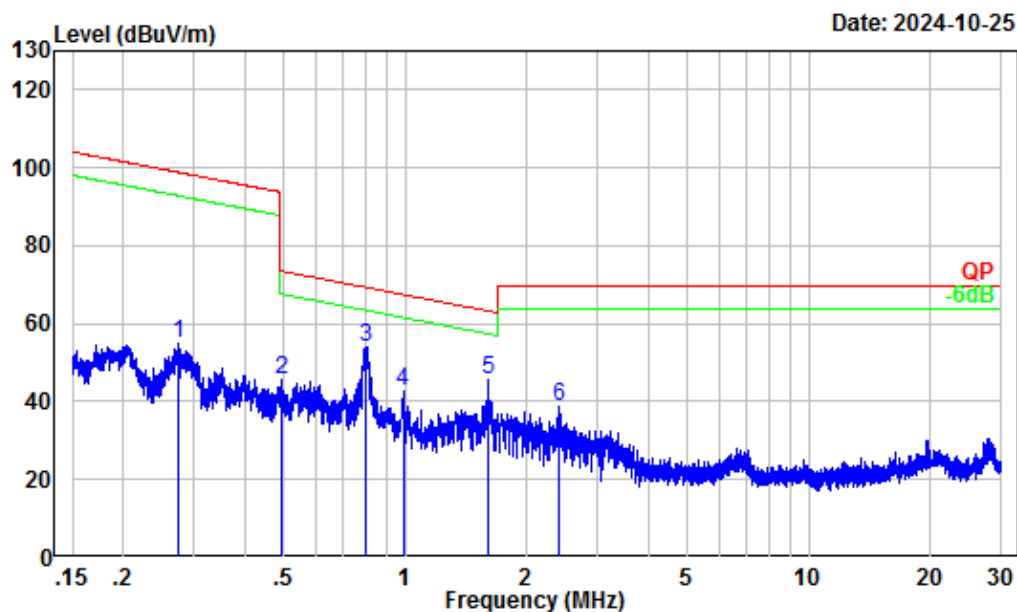
The testing was performed by Carl Zhu on 2024-10-25 for below 1GHz, Anson Su, Jim Cheng and Cheeb Huang from 2024-10-08 to 2024-11-21 for above 1GHz.

Test mode: Transmitting (Pre-scan in the X, Y and Z axes of orientation, the worst case Z-axis of orientation was recorded)

9 kHz-30MHz:*Parallel was the worst*

Site : Chamber A
Condition : 3m
Project Number: 2401X46237E-RF
Test Mode : Transmitting
Tester : Carl Zhu

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|------|--------|---------------|--------|---------------|---------------|--------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 0.01 | 37.83 | 25.64 | 63.47 | 127.77 | -64.30 | Peak |
| 2 | 0.02 | 33.03 | 26.91 | 59.94 | 121.97 | -62.03 | Peak |
| 3 | 0.03 | 27.06 | 21.22 | 48.28 | 117.53 | -69.25 | Peak |
| 4 | 0.07 | 20.26 | 32.28 | 52.54 | 110.60 | -58.06 | Peak |
| 5 | 0.10 | 16.97 | 31.69 | 48.66 | 107.45 | -58.79 | Peak |
| 6 | 0.14 | 15.11 | 33.78 | 48.89 | 104.58 | -55.69 | Peak |

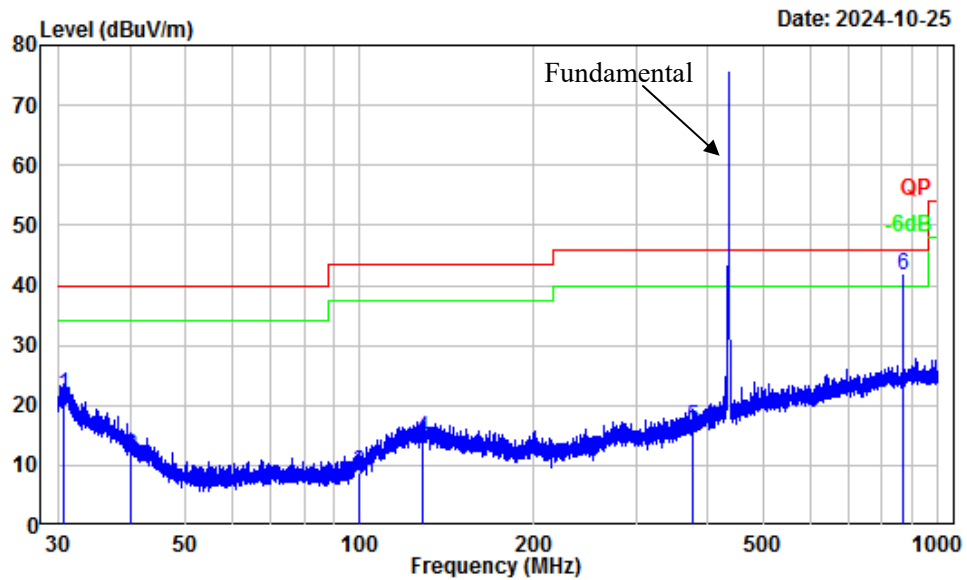


Site : Chamber A
 Condition : 3m
 Project Number: 2401X46237E-RF
 Test Mode : Transmitting
 Tester : Carl Zhu

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|------|--------|---------------|--------|---------------|---------------|--------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 0.27 | 8.96 | 45.84 | 54.80 | 98.86 | -44.06 | Peak |
| 2 | 0.49 | 3.65 | 42.05 | 45.70 | 73.76 | -28.06 | Peak |
| 3 | 0.80 | -0.13 | 54.32 | 54.19 | 69.42 | -15.23 | Peak |
| 4 | 0.99 | -1.50 | 44.00 | 42.50 | 67.58 | -25.08 | Peak |
| 5 | 1.61 | -3.70 | 49.39 | 45.69 | 63.27 | -17.58 | Peak |
| 6 | 2.41 | -5.41 | 44.29 | 38.88 | 69.54 | -30.66 | Peak |

30MHz – 1 GHz:

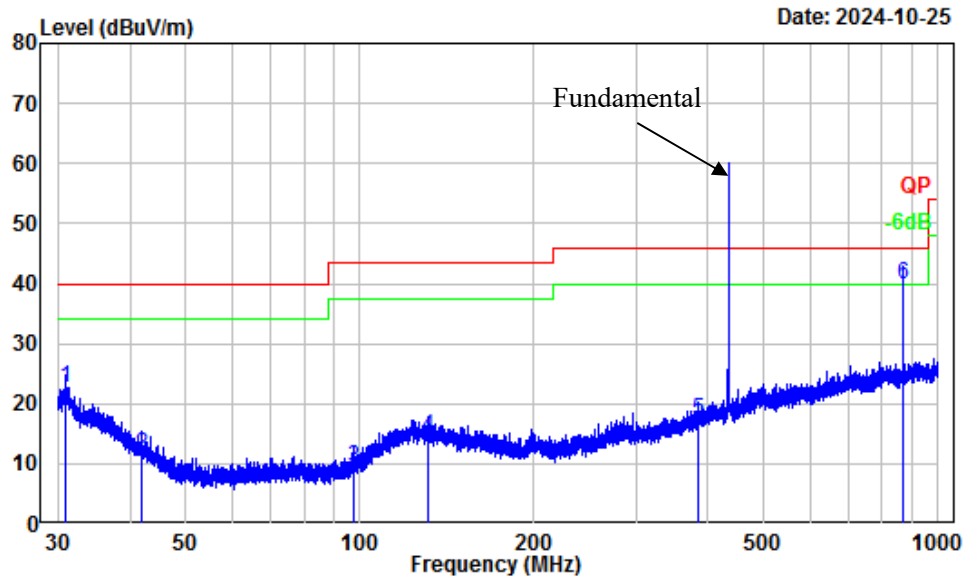
Horizontal



Site : Chamber A
 Condition : 3m Horizontal
 Project Number: 2401X46237E-RF
 Test Mode : Transmitting
 Tester : Carl Zhu

| | Freq Factor | | Read Level | | Limit | Over | Remark |
|---|-------------|--------|------------|--------|--------|--------|--------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 30.72 | -6.33 | 27.94 | 21.61 | 40.00 | -18.39 | QP |
| 2 | 40.24 | -12.54 | 23.88 | 11.34 | 40.00 | -28.66 | QP |
| 3 | 99.88 | -15.93 | 24.70 | 8.77 | 43.50 | -34.73 | QP |
| 4 | 128.39 | -11.15 | 25.67 | 14.52 | 43.50 | -28.98 | QP |
| 5 | 377.26 | -9.22 | 25.57 | 16.35 | 46.00 | -29.65 | QP |
| 6 | 867.99 | -1.62 | 43.34 | 41.72 | 46.00 | -4.28 | QP |

Vertical



Site : Chamber A
Condition : 3m Vertical
Project Number: 2401X46237E-RF
Test Mode : Transmitting
Tester : Carl Zhu

| | Freq Factor | | Read Level | | Limit | Over | Remark |
|---|-------------|--------|------------|--------|-------|--------|--------|
| | MHz | dB/m | dBuV | dBuV/m | Line | Limit | |
| 1 | 30.93 | -6.44 | 29.18 | 22.74 | 40.00 | -17.26 | QP |
| 2 | 42.03 | -13.89 | 25.37 | 11.48 | 40.00 | -28.52 | QP |
| 3 | 97.50 | -16.66 | 25.95 | 9.29 | 43.50 | -34.21 | QP |
| 4 | 130.84 | -11.29 | 25.84 | 14.55 | 43.50 | -28.95 | QP |
| 5 | 383.43 | -9.05 | 26.20 | 17.15 | 46.00 | -28.85 | QP |
| 6 | 867.99 | -1.62 | 41.39 | 39.77 | 46.00 | -6.23 | QP |

| Frequency (MHz) | Receiver | | Polar (H/V) | Factor (dB/m) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Comment |
|-----------------|----------------|---------------------|-------------|---------------|------------------------------|----------------|-------------|-------------|
| | Reading (dBμV) | Detector (PK/QP/AV) | | | | | | |
| 434.00 | 83.17 | PK | H | -7.82 | 75.35 | 100.83 | -25.48 | Fundamental |
| 434.00 | 67.69 | PK | V | -7.82 | 59.87 | 100.83 | -40.96 | Fundamental |
| 1302.00 | 68.63 | PK | H | -7.70 | 60.93 | 74.00 | -13.07 | Harmonic |
| 1302.00 | 54.31 | PK | V | -7.70 | 46.61 | 74.00 | -27.39 | Harmonic |
| 1736.00 | 59.82 | PK | H | -6.91 | 52.91 | 80.83 | -27.92 | Harmonic |
| 1736.00 | 49.27 | PK | V | -6.91 | 42.36 | 80.83 | -38.47 | Harmonic |
| 2170.00 | 60.99 | PK | H | -3.82 | 57.17 | 80.83 | -23.66 | Harmonic |
| 2170.00 | 51.86 | PK | V | -3.82 | 48.04 | 80.83 | -32.79 | Harmonic |

Note:

Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor

Corrected Amplitude/Level = Factor + Reading

Margin = Corrected Amplitude/Level - Limit

The other spurious emission which is in the noise floor level was not recorded.

Note: for the fundamental, the peak value can meet the limit of the average value.

| Field Strength of Average | | | | | | | |
|---------------------------|-------------------------------|-------------|----------------------------------|------------------------|----------------|-------------|----------|
| Frequency (MHz) | Peak Measurement @3m (dBμV/m) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Average Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Comment |
| 1302.00 | 60.93 | H | -7.47 | 53.46 | 54 | -0.54 | Harmonic |
| 1302.00 | 46.61 | V | -7.47 | 39.14 | 54 | -14.86 | Harmonic |
| 1736.00 | 52.91 | H | -7.47 | 45.44 | 60.83 | -15.39 | Harmonic |
| 1736.00 | 42.36 | V | -7.47 | 34.89 | 60.83 | -25.94 | Harmonic |
| 2170.00 | 57.17 | H | -7.47 | 49.7 | 60.83 | -11.13 | Harmonic |
| 2170.00 | 48.04 | V | -7.47 | 40.57 | 60.83 | -20.26 | Harmonic |

Note: Average level= Peak level+ Duty Cycle Corrected Factor

Margin = Average level - Limit

Worst case duty cycle:

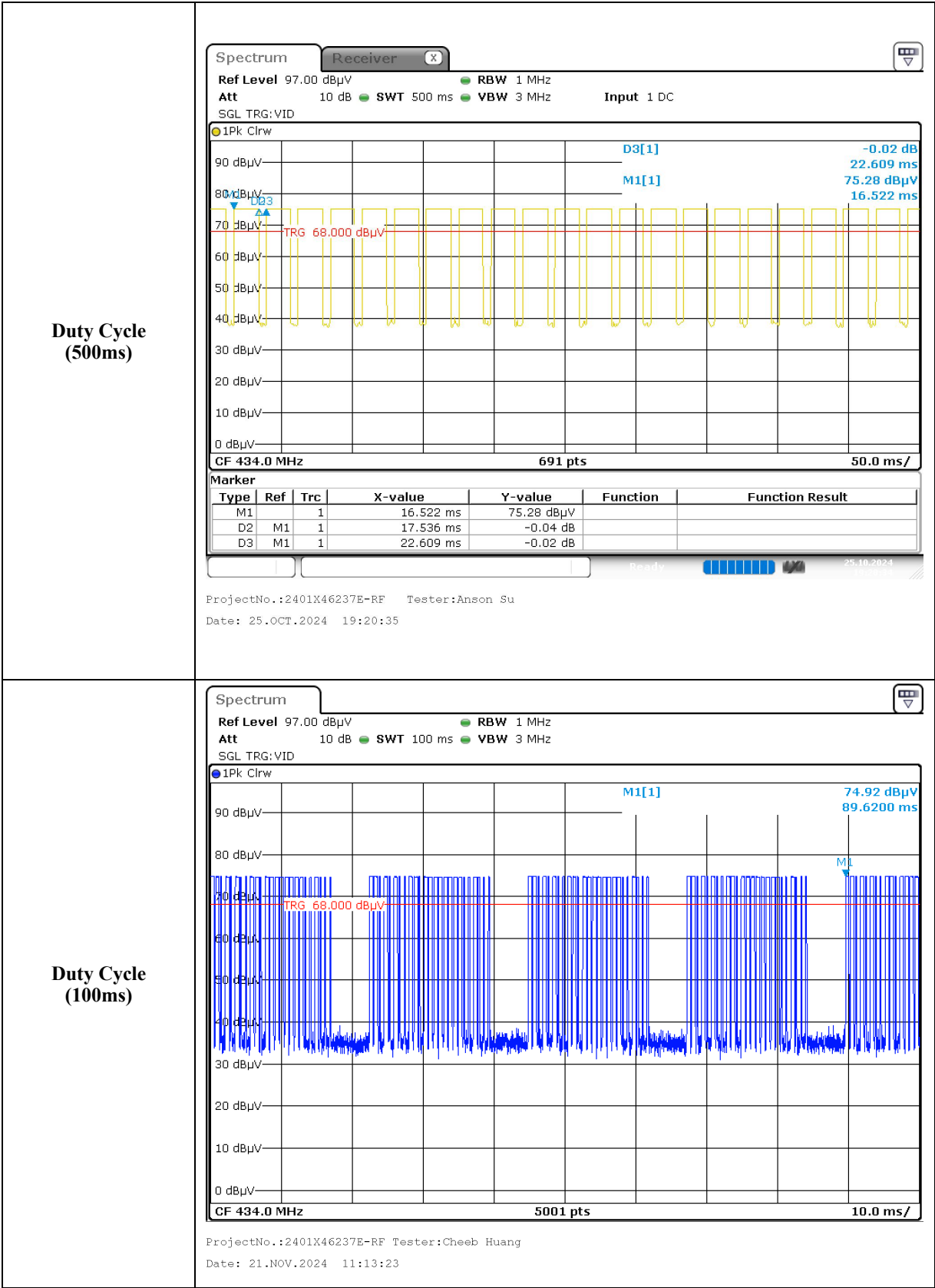
Ton1 = 15*0.5217ms=7.8255ms

Ton2 = 10*0.17391ms=1.7391ms

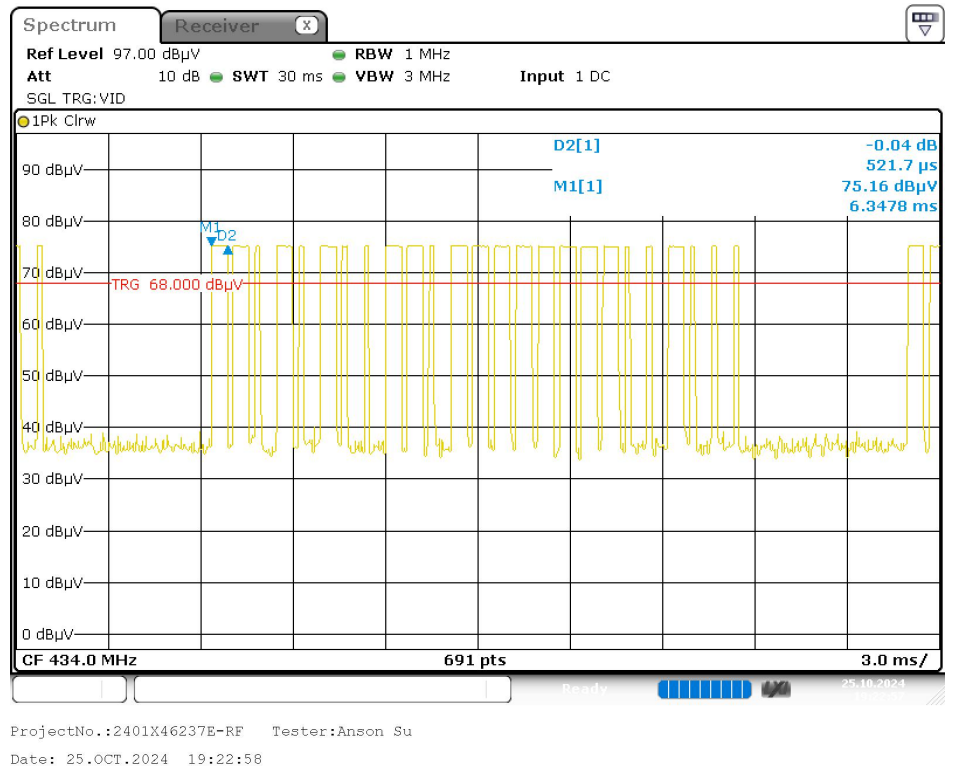
Tp = 22.609 ms

Duty cycle = Ton/Tp = (Ton1+Ton2)/22.609*100%=42.3%

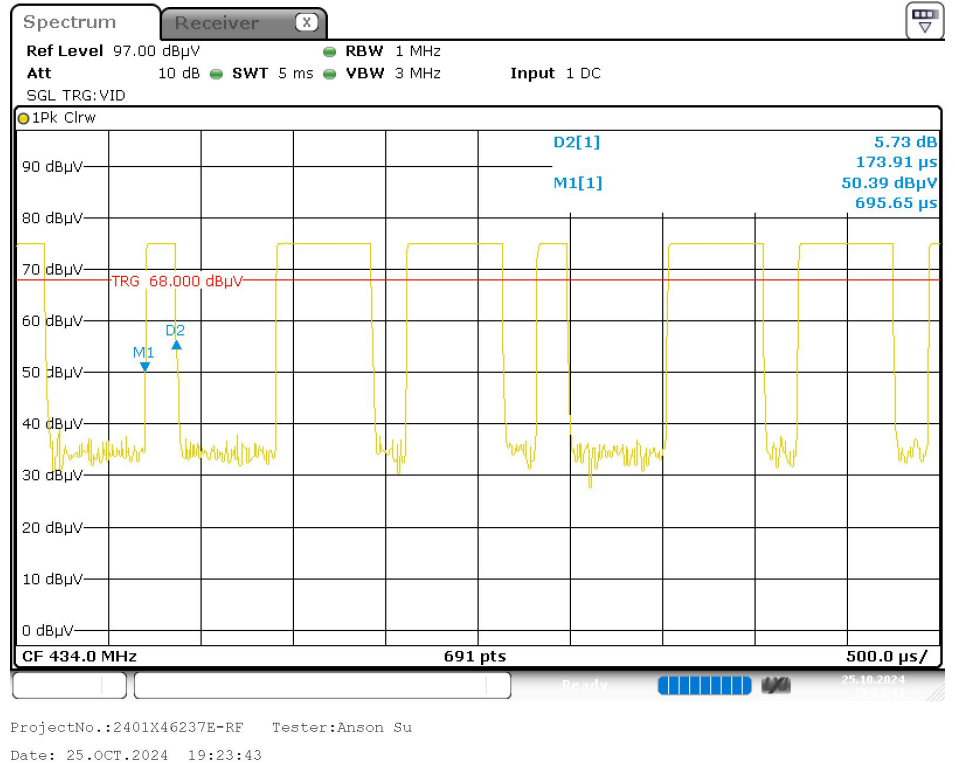
Duty Cycle Corrected Factor = 20lg (Duty cycle) = 20lg(0.423) = -7.47



Pulse 1

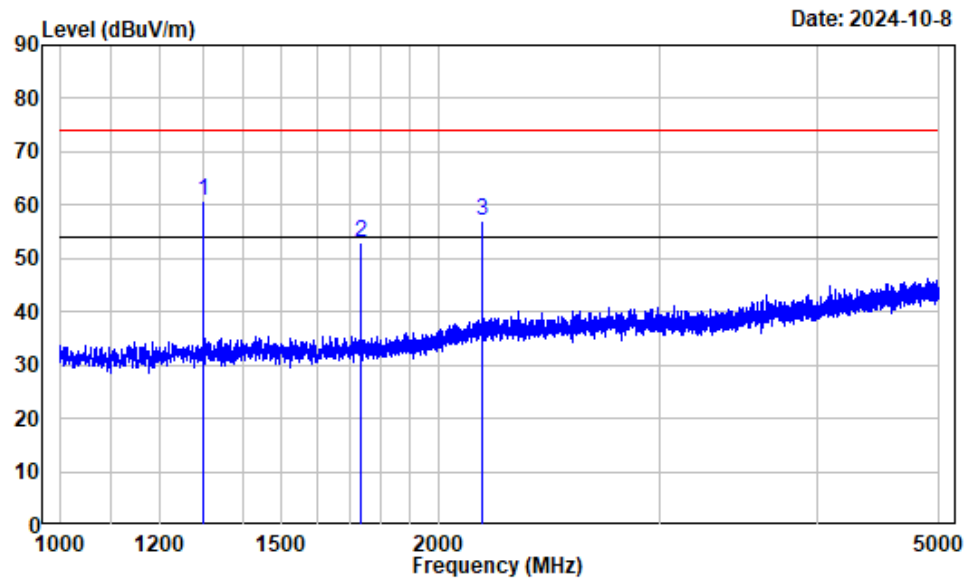


Pulse 2



1 GHz - 5 GHz:

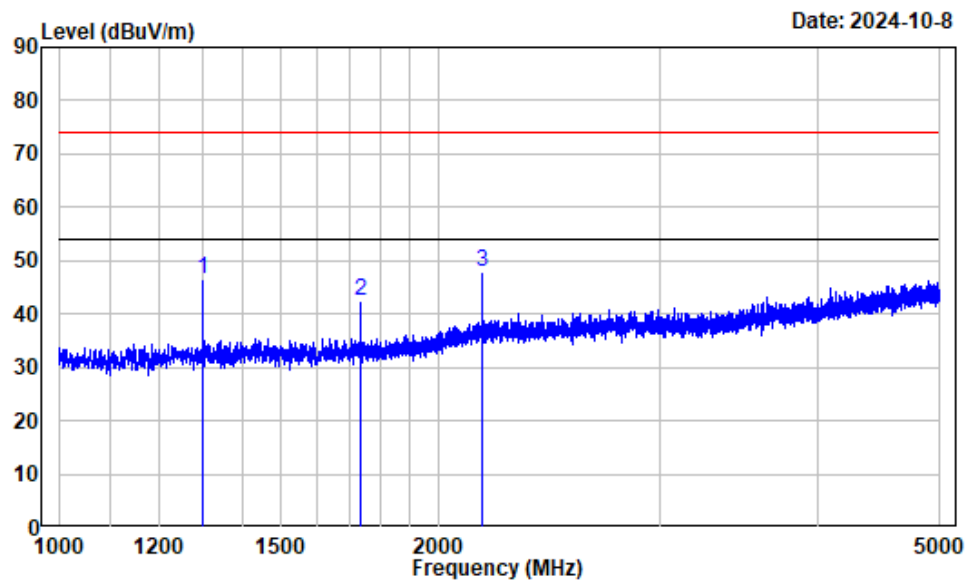
Horizontal-Peak



Condition : Horizontal
Project No.: 2401X46237E-RF
Tester : Jim Cheng
Note : 434

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1302.000 | -7.37 | 68.30 | 60.93 | 74.00 | -13.07 | Peak |
| 2 | 1736.000 | -6.57 | 59.48 | 52.91 | 80.83 | -27.92 | Peak |
| 3 | 2170.000 | -3.64 | 60.81 | 57.17 | 80.83 | -23.66 | Peak |

Vertical-Peak



Condition : Vertical
Project No.: 2401X46237E-RF
Tester : Jim Cheng
Note : 434

| | Freq | Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
| | MHz | dB/m | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1302.000 | -7.37 | 53.98 | 46.61 | 74.00 | -27.39 | Peak |
| 2 | 1736.000 | -6.57 | 48.93 | 42.36 | 80.83 | -38.47 | Peak |
| 3 | 2170.000 | -3.64 | 51.68 | 48.04 | 80.83 | -32.79 | Peak |

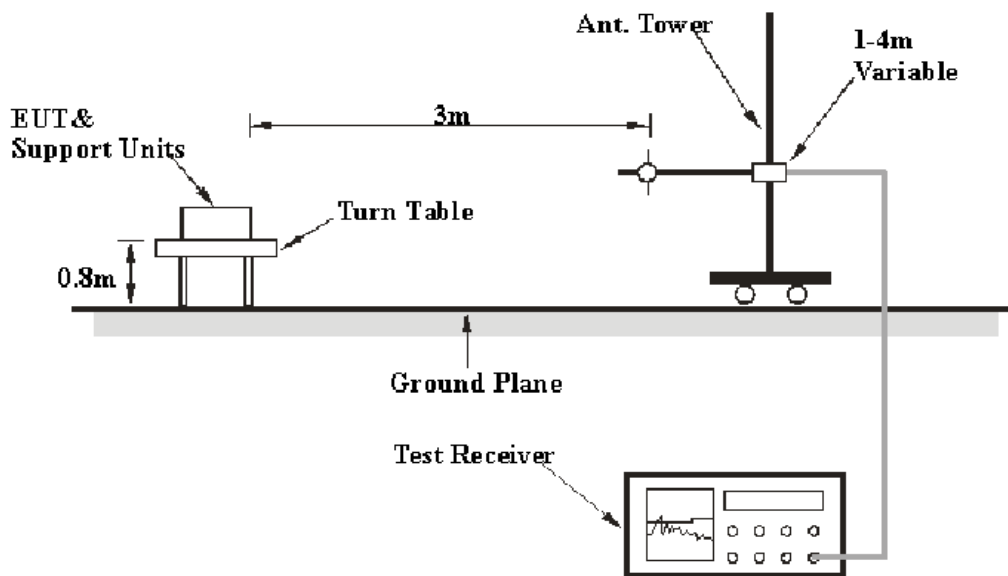
FCC §15.231(a) (1) - DEACTIVATION TESTING

Applicable Standard

Per FCC §15.231(a) (1), A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

Test Procedure

1. The EUT is setting to the transmit mode, the waveform was received by the test antenna which was connected to the spectrum analyzer.
2. Set center frequency of spectrum analyzer=operating frequency.
3. Set the spectrum analyzer as RBW=1MHz/ VBW=3MHz/ Span=0Hz.
4. Repeat above procedures until all frequency measured was complete.



Test Data

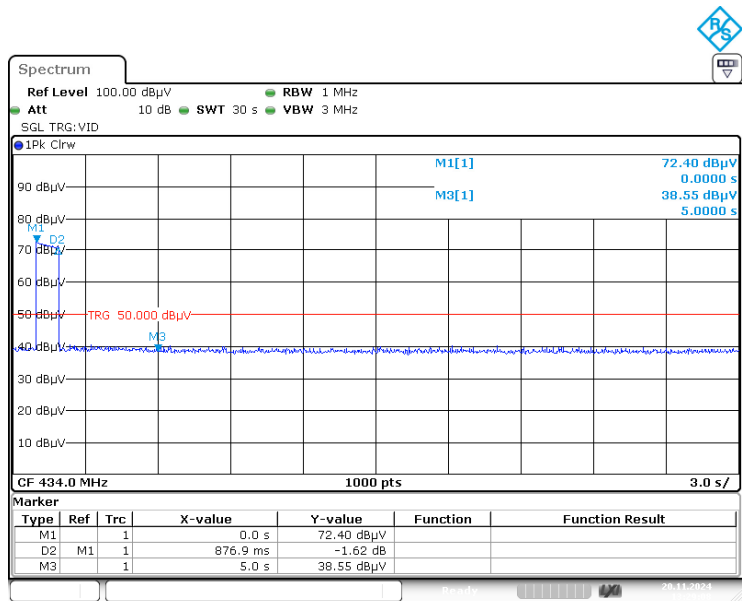
Environmental Conditions

| | |
|--------------------|---------|
| Temperature: | 25 °C |
| Relative Humidity: | 52 % |
| ATM Pressure: | 101 kPa |

The testing was performed by Cheeb Huang on 2024-11-20.

Test mode: Transmitting

Test Result: Compliant. This product will cease transmission within 5 seconds after activation. Please refer to following plots.



ProjectNo.:2401X46237E-RF Tester:Cheeb Huang
Date: 20.NOV.2024 13:29:07

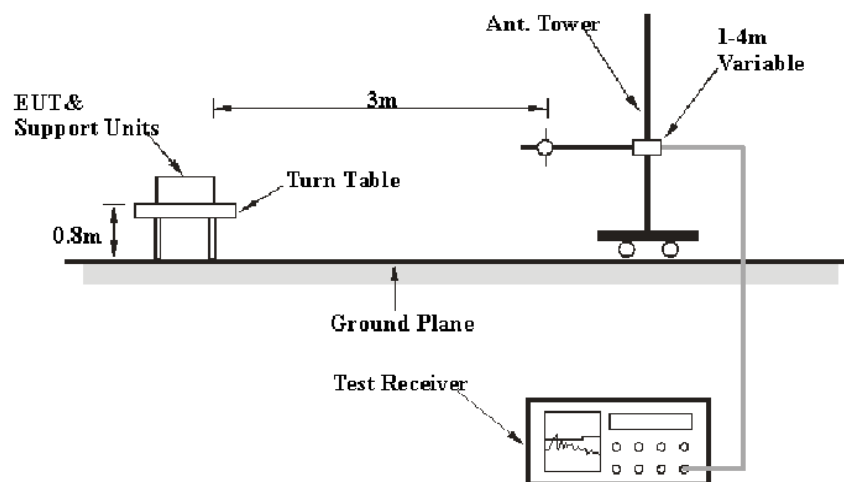
FCC §15.231(c) - 20 dB EMISSION BANDWIDTH TESTING

Applicable Standard

Per 15.231(c), The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

Test Procedure

The EUT is setting to the transmit mode, the waveform was received by the test antenna which was connected to the spectrum analyzer, plot the 20 dB bandwidth.



Test Data

Environmental Conditions

| | |
|--------------------|---------|
| Temperature: | 25 °C |
| Relative Humidity: | 52 % |
| ATM Pressure: | 101 kPa |

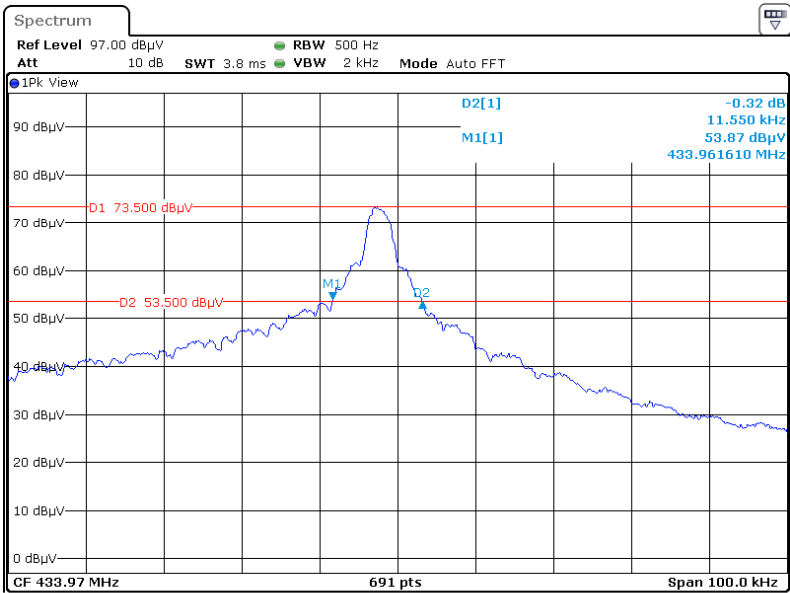
The testing was performed by Cheeb Huang on 2024-11-21.

Test Mode: Transmitting

Please refer to following table and plots.

| Channel Frequency (MHz) | 20dB Emission Bandwidth (kHz) | Limit (kHz) |
|--------------------------|-------------------------------|-------------|
| 434 | 11.550 | 1085 |

20 dB Emission Bandwidth



ProjectNo.:2401X46237E-RF Tester:Cheeb Huang
Date: 21.NOV.2024 16:30:53

EUT PHOTOGRAPHS

Please refer to the attachment 2401X46237E-RF External photo and 2401X46237E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401X46237E-RF Test Setup photo.

******* END OF REPORT *******