



CTC Laboratories, Inc.

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TEST REPORT

Report No. : **CTC20231490E01**

FCC ID..... : **WNA-LC2203**

Applicant : **Shenzhen Skyworth Digital Technology Co.,LTD**

Address..... : 14/F,Block A,Skyworth Building,Gaoxin Ave.1.S.,Nanshan District,Shenzhen,China

Manufacturer..... : Shenzhen Skyworth Digital Technology Co.,LTD

Address..... : 14/F,Block A,Skyworth Building,Gaoxin Ave.1.S.,Nanshan District,Shenzhen,China

Product Name : **Smart Camera**

Trade Mark : SKYWORTH

Model/Type reference..... : LC2203

Listed Model(s) : LC2202, LC2203, LC2204, LC2205, LC2206, LC2207, LC2208, LC2209, LQB00, LCQ00

Standard : **FCC CFR Title 47 Part 15 Subpart C Section 15.247**

Date of receipt of test sample..... : Jul. 06, 2023

Date of testing..... : Jul. 06, 2023 ~ Jul. 23, 2023

Date of issue..... : Aug. 07, 2023

Result..... : **PASS**

Compiled by:
 (Printed name+signature) Lucy Lan _____

Supervised by:
 (Printed name+signature) Eric Zhang _____

Approved by:
 (Printed name+signature) Totti Zhao _____

Testing Laboratory Name : **CTC Laboratories, Inc.**

Address..... : 2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

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1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

[FCC Rules Part 15.247](#): Operation within the bands 902–928MHz, 2400–2483.5MHz, and 5725–5850MHz.

[ANSI C63.10-2013](#): American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

1.2. Report Version

| Revised No. | Date of issue | Description |
|-------------|---------------|-------------|
| 01 | Aug. 07, 2023 | Original |
| | | |
| | | |

1.3. Test Description

| FCC Part 15 Subpart C (15.247) | | | |
|--|-------------------------|--------|---------------|
| Test Item | Standard Section | Result | Test Engineer |
| Antenna Requirement | 15.203 | Pass | Lucy |
| Conducted Emission | 15.207 | Pass | Lucy |
| Conducted Band Edge and Spurious Emissions | 15.247(d) | Pass | Lucy |
| Radiated Band Edge and Spurious Emissions | 15.205&15.209&15.247(d) | Pass | Lucy |
| 6dB Bandwidth | 15.247(a)(2) | Pass | Lucy |
| Conducted Max Output Power | 15.247(b)(3) | Pass | Lucy |
| Power Spectral Density | 15.247(e) | Pass | Lucy |
| Transmitter Radiated Spurious | 15.209&15.247(d) | Pass | Lucy |

Note:

- The measurement uncertainty is not included in the test result.
- N/A: means this test item is not applicable for this device according to the technology characteristic of device.



1.4. Test Facility

Address of the report laboratory

CTC Laboratories, Inc.

Add: 2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Cert. No.: 4340.01

CTC Laboratories, Inc. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

Industry Canada (Registration No.: 9783A, CAB Identifier: CN0029)

CTC Laboratories, Inc. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

FCC (Registration No.: 951311, Designation Number CN1208)

CTC Laboratories, Inc. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 951311, Aug 26, 2017.



1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the CTC Laboratories, Inc. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Below is the best measurement capability for CTC Laboratories, Inc.

| Test Items | Measurement Uncertainty | Notes |
|---|---|-------|
| DTS Bandwidth | ±0.0196% | (1) |
| Maximum Conducted Output Power | ±0.686 dB | (1) |
| Maximum Power Spectral Density Level | ±0.743 dB | (1) |
| Band-edge Compliance | ±1.328 dB | (1) |
| Unwanted Emissions In Non-restricted Freq Bands | 9kHz-1GHz: ±0.746dB 1GHz-26GHz: ±1.328dB | (1) |
| Conducted Emissions 9kHz~30MHz | ±3.08 dB | (1) |
| Radiated Emissions 30~1000MHz | ±4.51 dB | (1) |
| Radiated Emissions 1~18GHz | ±5.84 dB | (1) |
| Radiated Emissions 18~40GHz | ±6.12 dB | (1) |

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.6. Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

| | |
|--------------------|----------------|
| Temperature: | 15 °C to 35 °C |
| Relative Humidity: | 20 % to 75 % |
| Air Pressure: | 101 kPa |



2. GENERAL INFORMATION

2.1. Client Information

| | |
|---------------|---|
| Applicant: | Shenzhen Skyworth Digital Technology Co.,LTD |
| Address: | 14/F,Block A,Skyworth Building,Gaoxin Ave.1.S.,Nanshan District,Shenzhen,China |
| Manufacturer: | Shenzhen Skyworth Digital Technology Co.,LTD |
| Address: | 14/F,Block A,Skyworth Building,Gaoxin Ave.1.S.,Nanshan District,Shenzhen,China |
| Factory: | Shenzhen Skyworth Digital Technology Co.,LTD. Baoan Branch Factory |
| Address: | 2-5F,Integration Multi-Storied Building, Skyworth Science and Technology Industrial Park, Tangtou Industrial Zone, Shiyuan Street, Baoan District, Shenzhen city, China |

2.2. General Description of EUT

| | |
|-----------------------|--|
| Product Name: | Smart Camera |
| Trade Mark: | SKYWORTH |
| Model/Type reference: | LC2203 |
| Listed Model(s): | LC2202, LC2203, LC2204, LC2205, LC2206, LC2207, LC2208, LC2209, LQB00, LCQ00 |
| Model Difference: | All these models are identical in the same PCB, layout and electrical circuit, The difference is the product model number and the color of product shell and the screen printing of the shell. |
| Power Supply: | DC 5V 1A from AC/DC Adapter |
| Adapter Model 1: | UT-236A-5100 Input: 100-240V 50/60Hz 0.2A Output:5V/1A 5W |
| Hardware Version: | 5800-2ALCQ00 |
| Software Version: | V00001 |



| 2.4G Wi-Fi | |
|----------------------|---|
| Modulation: | 802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) |
| Operation Frequency: | 802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz |
| Channel Number: | 802.11b/g/n(HT20): 11 channels 802.11n(HT40): 7 channels |
| Channel Separation: | 5MHz |
| Antenna Type: | PIFA Antenna |
| Antenna Gain: | 2.56dBi |



2.3. Accessory Equipment Information

| Equipment Information | | | |
|---------------------------|--------------------|--------------|--------------|
| Name | Model | S/N | Manufacturer |
| Notebook | ThinkBook 14G3 ACL | MP246QDR | Lenovo |
| Cable Information | | | |
| Name | Shielded Type | Ferrite Core | Length |
| / | / | / | / |
| Test Software Information | | | |
| Name | Version | / | / |
| SecureCRT | / | / | / |



2.4. Operation State

Operation Frequency List: The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Operation Frequency List:

| Channel | Frequency (MHz) |
|---------|-----------------|
| 01 | 2412 |
| 02 | 2417 |
| 03 | 2422 |
| 04 | 2427 |
| 05 | 2432 |
| 06 | 2437 |
| 07 | 2442 |
| 08 | 2447 |
| 09 | 2452 |
| 10 | 2457 |
| 11 | 2462 |

Note: CH 01~CH 11 for 802.11b/g/n(HT20), CH 03~CH 09 for 802.11n(HT40).

Data Rated:

Preliminary tests were performed in different data rate, and found which the below bit rate is worst case mode, so only show data which it is the worsted case mode.

| Test Mode | Data Rate (worst mode) |
|-----------------------|------------------------|
| 802.11b | 1Mbps |
| 802.11g | 6Mbps |
| 802.11n(HT20)/ (HT40) | HT-MCS0 |

Test Mode:

| |
|--|
| For RF test items: |
| The engineering test program was provided and enabled to make EUT continuous transmit. |
| For AC power line conducted emissions: |
| The EUT was set to connect with the WLAN AP under large package sizes transmission. |
| For Radiated spurious emissions test item: |
| The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report. |



2.5. Measurement Instruments List

| Tonscend RF Test System | | | | | |
|-------------------------|-------------------------------------|--------------|-----------|------------|------------------|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Calibrated Until |
| 1 | MXA Signal Analyzer | Keysight | N9020A | MY46471737 | Dec. 16, 2023 |
| 2 | Spectrum Analyzer | R&S | FSU26 | 100105 | Dec. 16, 2023 |
| 3 | Spectrum Analyzer | R&S | FSV40-N | 101331 | Mar. 14, 2024 |
| 4 | MXG Vector Signal Generator | Agilent | N5182A | MY47420864 | Dec. 16, 2023 |
| 5 | PSG Analog Signal Generator | Agilent | E8257D | MY46521908 | Dec. 16, 2023 |
| 6 | Power Sensor | Keysight | U2021XA | MY55130004 | Mar. 14, 2024 |
| 7 | Power Sensor | Keysight | U2021XA | MY55130006 | Mar. 14, 2024 |
| 8 | Wideband Radio Communication Tester | R&S | CMW500 | 102414 | Dec. 16, 2023 |
| 9 | High and low temperature box | ESPEC | MT3035 | / | Mar. 24, 2024 |
| 10 | JS1120 RF Test System | TONSCEND | v2.6 | / | / |

| Radiated emission(3m chamber 2) | | | | | |
|---------------------------------|--------------------------|--------------|------------|------------|------------------|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Calibrated Until |
| 1 | Trilog-Broadband Antenna | Schwarzbeck | VULB 9168 | 9168-1013 | Dec. 07, 2024 |
| 2 | Horn Antenna | Schwarzbeck | BBHA 9120D | 9120D-647 | Dec. 07, 2024 |
| 3 | Loop Antenna | ETS | 6507 | 1446 | Dec. 16, 2023 |
| 4 | Spectrum Analyzer | R&S | FSU26 | 100105 | Dec. 16, 2023 |
| 5 | Spectrum Analyzer | R&S | FSV40-N | 101331 | Mar. 14, 2024 |
| 6 | Pre-Amplifier | SONOMA | 310 | 186194 | Dec. 16, 2023 |
| 7 | Low Noise Pre-Amplifier | EMCI | EMC051835 | 980075 | Dec. 16, 2023 |
| 8 | Test Receiver | R&S | ESC17 | 100967 | Dec. 16, 2023 |
| 9 | 3m chamber 2 | Frankonia | EE025 | / | Oct. 23, 2024 |

| Radiated Emission (3m chamber 3) | | | | | |
|----------------------------------|------------------------------|--------------|------------|------------|------------------|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Calibrated Until |
| 1 | Trilog-Broadband Antenna | Schwarzbeck | VULB 9163 | 01026 | Dec. 18, 2024 |
| 2 | Horn Antenna | Schwarzbeck | BBHA 9120D | 9120D-647 | Dec. 01, 2024 |
| 3 | Test Receiver | Keysight | N9038A | MY56400071 | Dec. 16, 2023 |
| 4 | Broadband Premplifier | SCHWARZBECK | BBV9743B | 259 | Dec. 16, 2023 |
| 5 | Mirowave Broadband Amplifier | SCHWARZBECK | BBV9718C | 111 | Dec. 16, 2023 |
| 6 | 3m chamber 3 | YIHENG | EE106 | / | Sep. 09, 2023 |

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| Conducted Emission | | | | | |
|--------------------|-------------------|--------------|-----------|----------------|------------------|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Calibrated Until |
| 1 | LISN | R&S | ENV216 | 101112 | Dec. 16, 2023 |
| 2 | LISN | R&S | ENV216 | 101113 | Dec. 16, 2023 |
| 3 | EMI Test Receiver | R&S | ESCS30 | 100353 | Dec. 16, 2023 |
| 4 | ISN CAT6 | Schwarzbeck | NTFM 8158 | CAT6-8158-0046 | Dec. 16, 2023 |
| 5 | ISN CAT5 | Schwarzbeck | NTFM 8158 | CAT5-8158-0046 | Dec. 16, 2023 |

Note: 1. The Cal. Interval was one year.

2. The Cal. Interval was three years of the antenna.

3. The cable loss has been calculated in test result which connection between each test instruments.

3. TEST ITEM AND RESULTS

3.1. Conducted Emission

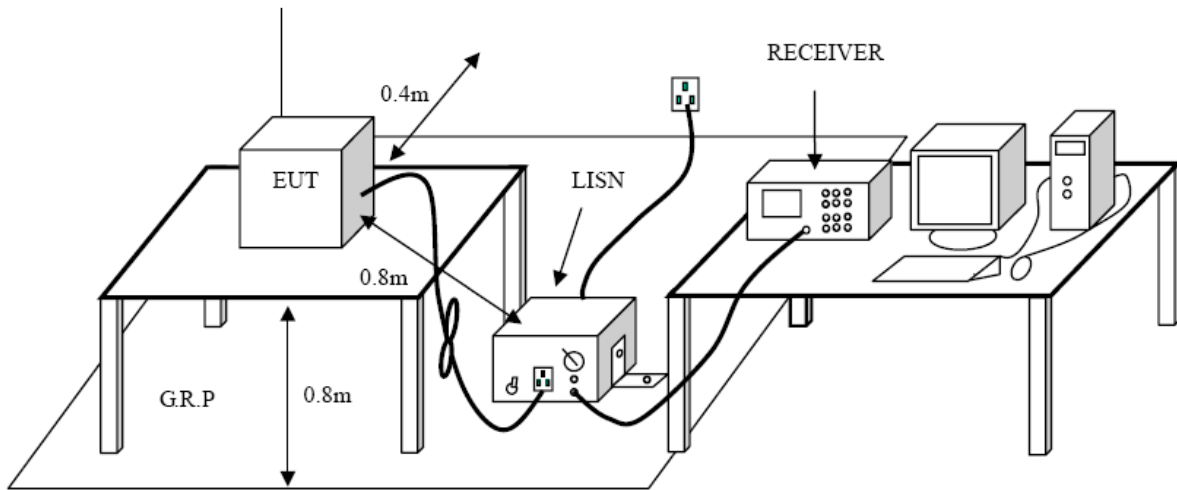
Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.207 / RSS-Gen 8.8

| Frequency (MHz) | Conducted Limit (dB μ V) | |
|-----------------|------------------------------|------------|
| | Quasi-peak | Average |
| 0.15 - 0.5 | 66 to 56 * | 56 to 46 * |
| 0.5 - 5 | 56 | 46 |
| 5 - 30 | 60 | 50 |

* Decreases with the logarithm of the frequency.

Test Configuration



Test Procedure

1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm / 50 μ H coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
8. During the above scans, the emissions were maximized by cable manipulation.

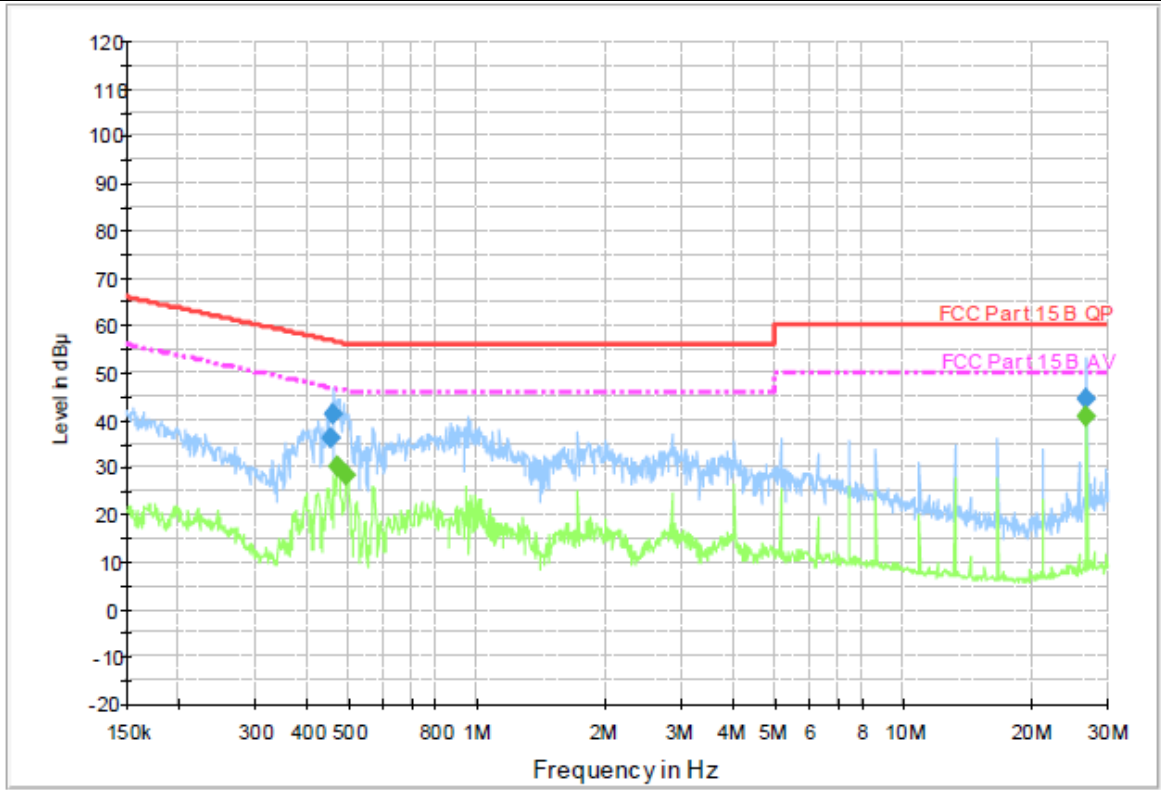
Test Mode

Please refer to the clause 2.4.



Test Result

| | |
|----------------------|-----------------------------|
| Test Voltage: | AC 120V/60Hz |
| Terminal: | Line |
| Remark: | Only worse case is reported |



Final Measurement Detector 1

| Frequency (MHz) | QuasiPeak (dBµ V) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµ V) | Comment |
|-----------------|-------------------|-----------------|-----------------|--------|------|------------|-------------|---------------|---------|
| 0.451440 | 36.3 | 1000.00 | 9.000 | On | L1 | 9.7 | 20.5 | 56.8 | |
| 0.460540 | 41.4 | 1000.00 | 9.000 | On | L1 | 9.7 | 15.3 | 56.7 | |
| 26.803070 | 44.2 | 1000.00 | 9.000 | On | L1 | 10.0 | 15.8 | 60.0 | |

Final Measurement Detector 2

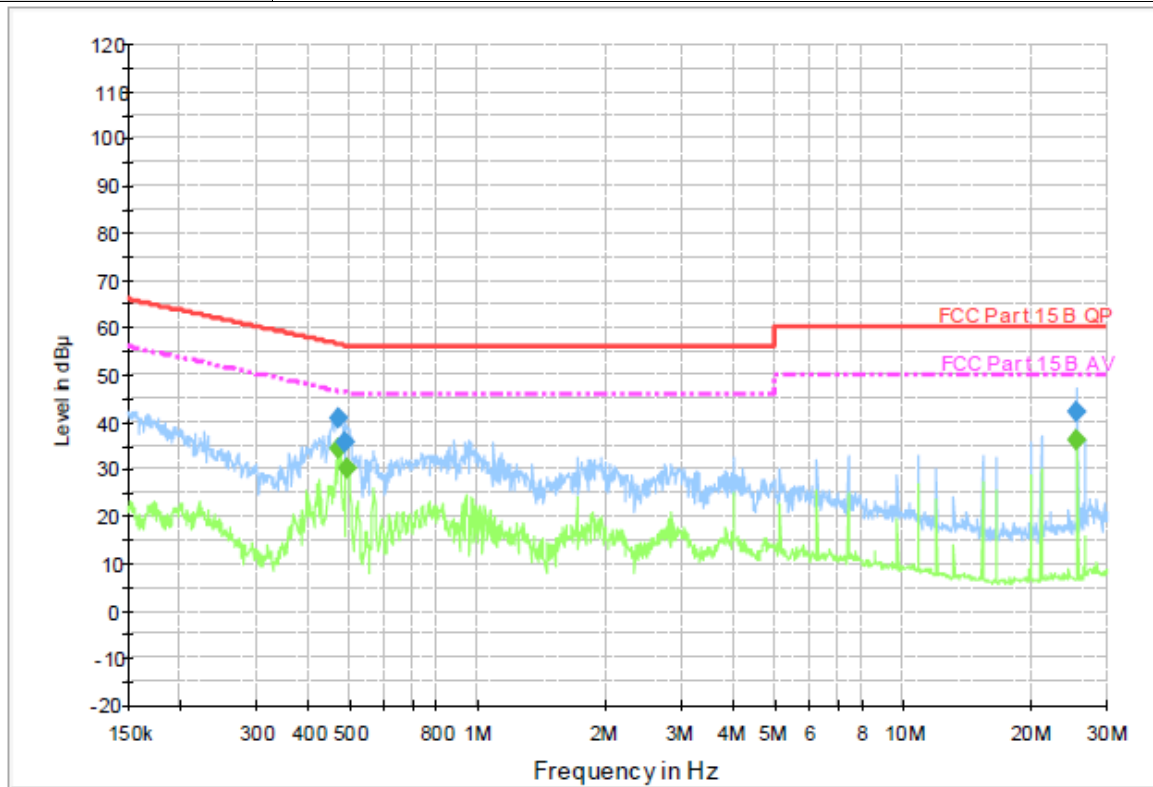
| Frequency (MHz) | Average (dBµ V) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµ V) | Comment |
|-----------------|-----------------|-----------------|-----------------|--------|------|------------|-------------|---------------|---------|
| 0.466090 | 30.2 | 1000.00 | 9.000 | On | L1 | 9.7 | 16.4 | 46.6 | |
| 0.492880 | 28.3 | 1000.00 | 9.000 | On | L1 | 9.7 | 17.8 | 46.1 | |
| 26.803070 | 41.0 | 1000.00 | 9.000 | On | L1 | 10.0 | 9.0 | 50.0 | |

Emission Level = Read Level + Correct Factor





| | |
|----------------------|-----------------------------|
| Test Voltage: | AC 120V/60Hz |
| Terminal: | Neutral |
| Remark: | Only worse case is reported |



Final Measurement Detector 1

| Frequency (MHz) | QuasiPeak (dBμ V) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμ V) | Comment |
|-----------------|-------------------|-----------------|-----------------|--------|------|------------|-------------|---------------|---------|
| 0.467950 | 40.8 | 1000.00 | 9.000 | On | N | 10.0 | 15.8 | 56.6 | |
| 0.487010 | 35.6 | 1000.00 | 9.000 | On | N | 10.0 | 20.6 | 56.2 | |
| 25.549350 | 42.0 | 1000.00 | 9.000 | On | N | 10.0 | 18.0 | 60.0 | |

Final Measurement Detector 2

| Frequency (MHz) | Average (dBμ V) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμ V) | Comment |
|-----------------|-----------------|-----------------|-----------------|--------|------|------------|-------------|---------------|---------|
| 0.467950 | 34.4 | 1000.00 | 9.000 | On | N | 10.0 | 12.2 | 46.6 | |
| 0.492880 | 30.3 | 1000.00 | 9.000 | On | N | 10.0 | 15.8 | 46.1 | |
| 25.549350 | 36.1 | 1000.00 | 9.000 | On | N | 10.0 | 13.9 | 50.0 | |

Emission Level = Read Level + Correct Factor



3.2. Radiated Emission

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.209 / RSS-Gen 8.9

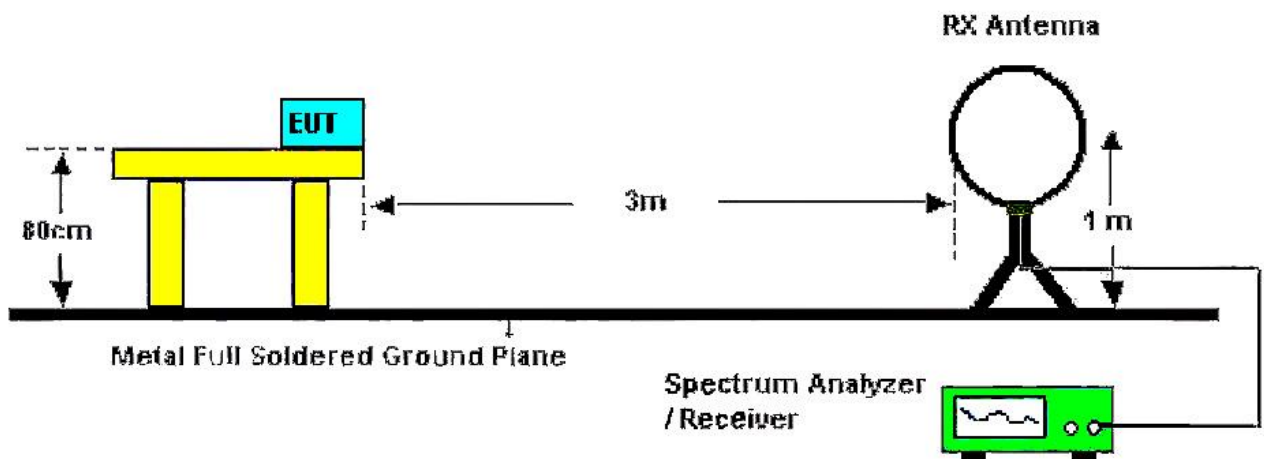
| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-----------------|-----------------------------------|-------------------------------|
| 0.009~0.490 | 2400/F (kHz) | 300 |
| 0.490~1.705 | 24000/F (kHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| 960~1000 | 500 | 3 |

| Frequency Range (MHz) | dBµV/m (at 3 meters) | |
|-----------------------|----------------------|---------|
| | Peak | Average |
| Above 1000 | 74 | 54 |

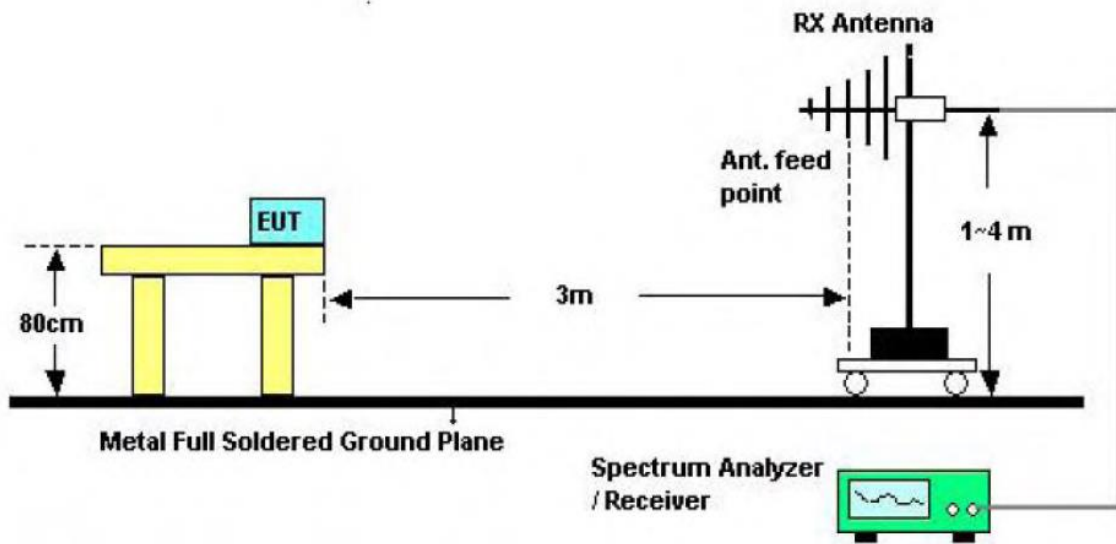
Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dBµV/m)=20log Emission Level (µV/m).

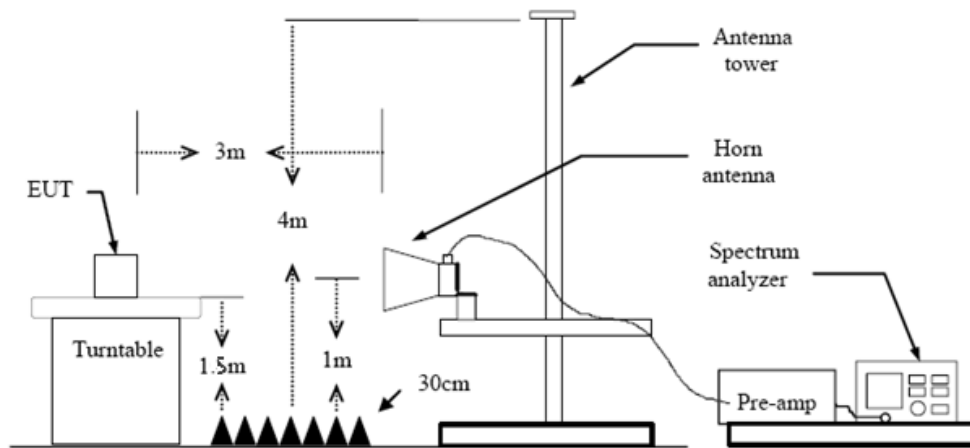
Test Configuration



Below 30MHz Test Setup



30-1000MHz Test Setup



Above 1GHz Test Setup

Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 1 GHz:
RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;
If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
 - (3) From 1 GHz to 10th harmonic:
RBW=1MHz, VBW=3MHz Peak detector for Peak value.



RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.8 Duty Cycle.

Test Mode

Please refer to the clause 2.4.

Test Result

9 kHz~30 MHz

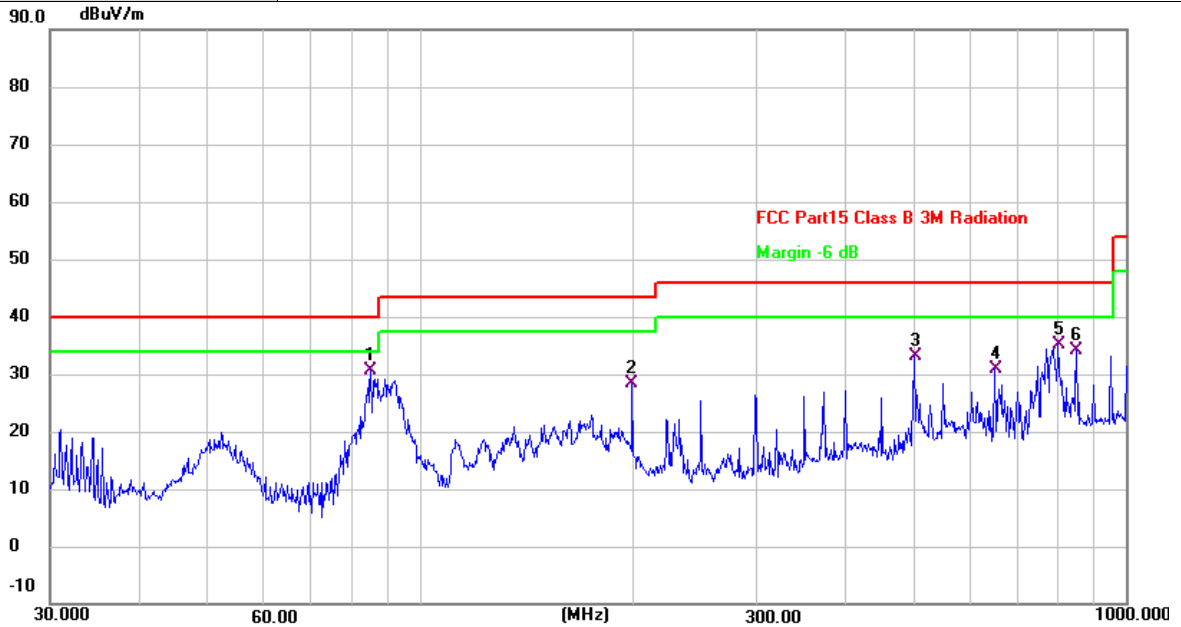
From 9 kHz to 30 MHz: The conclusion is PASS.

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



30MHz-1GHz

| | |
|------------|------------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Horizontal |
| Test Mode: | TX 802.11b Mode 2412MHz |
| Remark: | Only worse case is reported. |



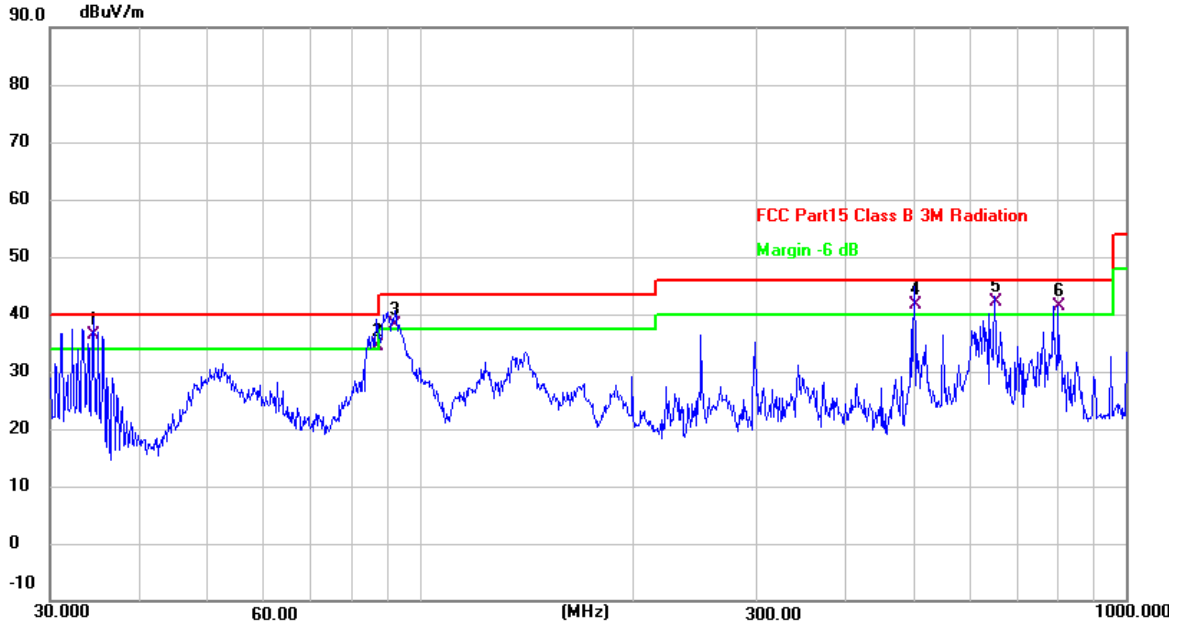
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 85.2980 | 52.63 | -21.88 | 30.75 | 40.00 | -9.25 | QP |
| 2 | 199.9855 | 48.69 | -20.42 | 28.27 | 43.50 | -15.23 | QP |
| 3 | 501.1790 | 45.81 | -12.64 | 33.17 | 46.00 | -12.83 | QP |
| 4 | 651.9417 | 40.65 | -9.79 | 30.86 | 46.00 | -15.14 | QP |
| 5 | 801.7863 | 42.29 | -7.28 | 35.01 | 46.00 | -10.99 | QP |
| 6 | 851.0353 | 40.74 | -6.58 | 34.16 | 46.00 | -11.84 | QP |

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2. Margin value = Level -Limit value



| | |
|-------------------|------------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Vertical |
| Test Mode: | TX 802.11b Mode 2412MHz |
| Remark: | Only worse case is reported. |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 34.5173 | 54.48 | -18.08 | 36.40 | 40.00 | -3.60 | QP |
| 2 ! | 86.8068 | 56.25 | -21.85 | 34.40 | 40.00 | -5.60 | QP |
| 3 ! | 92.4624 | 59.72 | -21.57 | 38.15 | 43.50 | -5.35 | QP |
| 4 ! | 501.1790 | 54.39 | -12.64 | 41.75 | 46.00 | -4.25 | QP |
| 5 ! | 651.9417 | 51.89 | -9.79 | 42.10 | 46.00 | -3.90 | QP |
| 6 ! | 801.7863 | 48.70 | -7.28 | 41.42 | 46.00 | -4.58 | QP |

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2. Margin value = Level -Limit value



Above 1GHz

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|----------|-------|-------|-------|-------|--------|-----|---|----------|-------|-------|-------|-------|--------|------|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11b Mode 2412MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>4824.058</td> <td>40.77</td> <td>-2.36</td> <td>38.41</td> <td>54.00</td> <td>-15.59</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>4824.140</td> <td>49.18</td> <td>-2.36</td> <td>46.82</td> <td>74.00</td> <td>-27.18</td> <td>peak</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 * | 4824.058 | 40.77 | -2.36 | 38.41 | 54.00 | -15.59 | AVG | 2 | 4824.140 | 49.18 | -2.36 | 46.82 | 74.00 | -27.18 | peak |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 * | 4824.058 | 40.77 | -2.36 | 38.41 | 54.00 | -15.59 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4824.140 | 49.18 | -2.36 | 46.82 | 74.00 | -27.18 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|----------|-------|-------|-------|-------|--------|-----|---|----------|-------|-------|-------|-------|--------|------|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11b Mode 2412MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>4824.044</td> <td>41.30</td> <td>-2.36</td> <td>38.94</td> <td>54.00</td> <td>-15.06</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>4824.098</td> <td>49.53</td> <td>-2.36</td> <td>47.17</td> <td>74.00</td> <td>-26.83</td> <td>peak</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 * | 4824.044 | 41.30 | -2.36 | 38.94 | 54.00 | -15.06 | AVG | 2 | 4824.098 | 49.53 | -2.36 | 47.17 | 74.00 | -26.83 | peak |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 * | 4824.044 | 41.30 | -2.36 | 38.94 | 54.00 | -15.06 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4824.098 | 49.53 | -2.36 | 47.17 | 74.00 | -26.83 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11b Mode 2437MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4873.114</td> <td>47.47</td> <td>-2.14</td> <td>45.33</td> <td>74.00</td> <td>-28.67</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4874.150</td> <td>33.95</td> <td>-2.14</td> <td>31.81</td> <td>54.00</td> <td>-22.19</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4873.114 | 47.47 | -2.14 | 45.33 | 74.00 | -28.67 | peak | 2 * | 4874.150 | 33.95 | -2.14 | 31.81 | 54.00 | -22.19 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4873.114 | 47.47 | -2.14 | 45.33 | 74.00 | -28.67 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4874.150 | 33.95 | -2.14 | 31.81 | 54.00 | -22.19 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|----------|-------|-------|-------|-------|--------|-----|---|----------|-------|-------|-------|-------|--------|------|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11b Mode 2437MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>4873.496</td> <td>33.79</td> <td>-2.14</td> <td>31.65</td> <td>54.00</td> <td>-22.35</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>4874.284</td> <td>47.98</td> <td>-2.14</td> <td>45.84</td> <td>74.00</td> <td>-28.16</td> <td>peak</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 * | 4873.496 | 33.79 | -2.14 | 31.65 | 54.00 | -22.35 | AVG | 2 | 4874.284 | 47.98 | -2.14 | 45.84 | 74.00 | -28.16 | peak |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 * | 4873.496 | 33.79 | -2.14 | 31.65 | 54.00 | -22.35 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4874.284 | 47.98 | -2.14 | 45.84 | 74.00 | -28.16 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11b Mode 2462MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4923.950</td> <td>47.25</td> <td>-1.93</td> <td>45.32</td> <td>74.00</td> <td>-28.68</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4924.056</td> <td>34.92</td> <td>-1.93</td> <td>32.99</td> <td>54.00</td> <td>-21.01</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4923.950 | 47.25 | -1.93 | 45.32 | 74.00 | -28.68 | peak | 2 * | 4924.056 | 34.92 | -1.93 | 32.99 | 54.00 | -21.01 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4923.950 | 47.25 | -1.93 | 45.32 | 74.00 | -28.68 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4924.056 | 34.92 | -1.93 | 32.99 | 54.00 | -21.01 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|----------|-------|-------|-------|-------|--------|-----|---|----------|-------|-------|-------|-------|--------|------|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11b Mode 2462MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>4924.036</td> <td>34.86</td> <td>-1.93</td> <td>32.93</td> <td>54.00</td> <td>-21.07</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>4924.122</td> <td>47.43</td> <td>-1.93</td> <td>45.50</td> <td>74.00</td> <td>-28.50</td> <td>peak</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 * | 4924.036 | 34.86 | -1.93 | 32.93 | 54.00 | -21.07 | AVG | 2 | 4924.122 | 47.43 | -1.93 | 45.50 | 74.00 | -28.50 | peak |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 * | 4924.036 | 34.86 | -1.93 | 32.93 | 54.00 | -21.07 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4924.122 | 47.43 | -1.93 | 45.50 | 74.00 | -28.50 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11g Mode 2412MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4823.376</td> <td>48.16</td> <td>-2.36</td> <td>45.80</td> <td>74.00</td> <td>-28.20</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4824.070</td> <td>34.42</td> <td>-2.36</td> <td>32.06</td> <td>54.00</td> <td>-21.94</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4823.376 | 48.16 | -2.36 | 45.80 | 74.00 | -28.20 | peak | 2 * | 4824.070 | 34.42 | -2.36 | 32.06 | 54.00 | -21.94 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4823.376 | 48.16 | -2.36 | 45.80 | 74.00 | -28.20 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4824.070 | 34.42 | -2.36 | 32.06 | 54.00 | -21.94 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|----------|-------|-------|-------|-------|--------|-----|---|----------|-------|-------|-------|-------|--------|------|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11g Mode 2412MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>4823.612</td> <td>34.35</td> <td>-2.36</td> <td>31.99</td> <td>54.00</td> <td>-22.01</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>4824.032</td> <td>47.89</td> <td>-2.36</td> <td>45.53</td> <td>74.00</td> <td>-28.47</td> <td>peak</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 * | 4823.612 | 34.35 | -2.36 | 31.99 | 54.00 | -22.01 | AVG | 2 | 4824.032 | 47.89 | -2.36 | 45.53 | 74.00 | -28.47 | peak |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 * | 4823.612 | 34.35 | -2.36 | 31.99 | 54.00 | -22.01 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4824.032 | 47.89 | -2.36 | 45.53 | 74.00 | -28.47 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11g Mode 2437MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4873.572</td> <td>47.69</td> <td>-2.14</td> <td>45.55</td> <td>74.00</td> <td>-28.45</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4874.530</td> <td>34.09</td> <td>-2.14</td> <td>31.95</td> <td>54.00</td> <td>-22.05</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4873.572 | 47.69 | -2.14 | 45.55 | 74.00 | -28.45 | peak | 2 * | 4874.530 | 34.09 | -2.14 | 31.95 | 54.00 | -22.05 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4873.572 | 47.69 | -2.14 | 45.55 | 74.00 | -28.45 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4874.530 | 34.09 | -2.14 | 31.95 | 54.00 | -22.05 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11g Mode 2437MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4873.070</td> <td>47.48</td> <td>-2.14</td> <td>45.34</td> <td>74.00</td> <td>-28.66</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4874.096</td> <td>33.94</td> <td>-2.14</td> <td>31.80</td> <td>54.00</td> <td>-22.20</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4873.070 | 47.48 | -2.14 | 45.34 | 74.00 | -28.66 | peak | 2 * | 4874.096 | 33.94 | -2.14 | 31.80 | 54.00 | -22.20 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4873.070 | 47.48 | -2.14 | 45.34 | 74.00 | -28.66 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4874.096 | 33.94 | -2.14 | 31.80 | 54.00 | -22.20 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11g Mode 2462MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4923.386</td> <td>47.43</td> <td>-1.93</td> <td>45.50</td> <td>74.00</td> <td>-28.50</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4923.860</td> <td>33.49</td> <td>-1.93</td> <td>31.56</td> <td>54.00</td> <td>-22.44</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4923.386 | 47.43 | -1.93 | 45.50 | 74.00 | -28.50 | peak | 2 * | 4923.860 | 33.49 | -1.93 | 31.56 | 54.00 | -22.44 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4923.386 | 47.43 | -1.93 | 45.50 | 74.00 | -28.50 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4923.860 | 33.49 | -1.93 | 31.56 | 54.00 | -22.44 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|----------|-------|-------|-------|-------|--------|-----|---|----------|-------|-------|-------|-------|--------|------|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11g Mode 2462MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>4923.302</td> <td>33.38</td> <td>-1.93</td> <td>31.45</td> <td>54.00</td> <td>-22.55</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>4923.522</td> <td>47.04</td> <td>-1.93</td> <td>45.11</td> <td>74.00</td> <td>-28.89</td> <td>peak</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 * | 4923.302 | 33.38 | -1.93 | 31.45 | 54.00 | -22.55 | AVG | 2 | 4923.522 | 47.04 | -1.93 | 45.11 | 74.00 | -28.89 | peak |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 * | 4923.302 | 33.38 | -1.93 | 31.45 | 54.00 | -22.55 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4923.522 | 47.04 | -1.93 | 45.11 | 74.00 | -28.89 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|----------|-------|-------|-------|-------|--------|-----|---|----------|-------|-------|-------|-------|--------|------|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT20) Mode 2412MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>4824.036</td> <td>34.19</td> <td>-2.36</td> <td>31.83</td> <td>54.00</td> <td>-22.17</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>4824.286</td> <td>48.03</td> <td>-2.36</td> <td>45.67</td> <td>74.00</td> <td>-28.33</td> <td>peak</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 * | 4824.036 | 34.19 | -2.36 | 31.83 | 54.00 | -22.17 | AVG | 2 | 4824.286 | 48.03 | -2.36 | 45.67 | 74.00 | -28.33 | peak |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 * | 4824.036 | 34.19 | -2.36 | 31.83 | 54.00 | -22.17 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4824.286 | 48.03 | -2.36 | 45.67 | 74.00 | -28.33 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT20) Mode 2412MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4823.190</td> <td>48.07</td> <td>-2.36</td> <td>45.71</td> <td>74.00</td> <td>-28.29</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4824.510</td> <td>34.17</td> <td>-2.36</td> <td>31.81</td> <td>54.00</td> <td>-22.19</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4823.190 | 48.07 | -2.36 | 45.71 | 74.00 | -28.29 | peak | 2 * | 4824.510 | 34.17 | -2.36 | 31.81 | 54.00 | -22.19 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4823.190 | 48.07 | -2.36 | 45.71 | 74.00 | -28.29 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4824.510 | 34.17 | -2.36 | 31.81 | 54.00 | -22.19 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT20) Mode 2437MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4873.152</td> <td>42.86</td> <td>-2.14</td> <td>40.72</td> <td>74.00</td> <td>-33.28</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4874.852</td> <td>29.70</td> <td>-2.14</td> <td>27.56</td> <td>54.00</td> <td>-26.44</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4873.152 | 42.86 | -2.14 | 40.72 | 74.00 | -33.28 | peak | 2 * | 4874.852 | 29.70 | -2.14 | 27.56 | 54.00 | -26.44 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4873.152 | 42.86 | -2.14 | 40.72 | 74.00 | -33.28 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4874.852 | 29.70 | -2.14 | 27.56 | 54.00 | -26.44 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT20) Mode 2437MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4873.920</td> <td>48.23</td> <td>-2.14</td> <td>46.09</td> <td>74.00</td> <td>-27.91</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4874.558</td> <td>33.90</td> <td>-2.14</td> <td>31.76</td> <td>54.00</td> <td>-22.24</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4873.920 | 48.23 | -2.14 | 46.09 | 74.00 | -27.91 | peak | 2 * | 4874.558 | 33.90 | -2.14 | 31.76 | 54.00 | -22.24 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4873.920 | 48.23 | -2.14 | 46.09 | 74.00 | -27.91 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4874.558 | 33.90 | -2.14 | 31.76 | 54.00 | -22.24 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|----------|-------|-------|-------|-------|--------|-----|---|----------|-------|-------|-------|-------|--------|------|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT20) Mode 2462MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>4924.256</td> <td>33.53</td> <td>-1.93</td> <td>31.60</td> <td>54.00</td> <td>-22.40</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>4924.762</td> <td>46.80</td> <td>-1.93</td> <td>44.87</td> <td>74.00</td> <td>-29.13</td> <td>peak</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 * | 4924.256 | 33.53 | -1.93 | 31.60 | 54.00 | -22.40 | AVG | 2 | 4924.762 | 46.80 | -1.93 | 44.87 | 74.00 | -29.13 | peak |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 * | 4924.256 | 33.53 | -1.93 | 31.60 | 54.00 | -22.40 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4924.762 | 46.80 | -1.93 | 44.87 | 74.00 | -29.13 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT20) Mode 2462MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4923.330</td> <td>47.47</td> <td>-1.93</td> <td>45.54</td> <td>74.00</td> <td>-28.46</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4923.978</td> <td>33.37</td> <td>-1.93</td> <td>31.44</td> <td>54.00</td> <td>-22.56</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4923.330 | 47.47 | -1.93 | 45.54 | 74.00 | -28.46 | peak | 2 * | 4923.978 | 33.37 | -1.93 | 31.44 | 54.00 | -22.56 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4923.330 | 47.47 | -1.93 | 45.54 | 74.00 | -28.46 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4923.978 | 33.37 | -1.93 | 31.44 | 54.00 | -22.56 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT40) Mode 2422MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4844.900</td> <td>44.01</td> <td>-2.26</td> <td>41.75</td> <td>74.00</td> <td>-32.25</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4844.900</td> <td>33.90</td> <td>-2.26</td> <td>31.64</td> <td>54.00</td> <td>-22.36</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4844.900 | 44.01 | -2.26 | 41.75 | 74.00 | -32.25 | peak | 2 * | 4844.900 | 33.90 | -2.26 | 31.64 | 54.00 | -22.36 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4844.900 | 44.01 | -2.26 | 41.75 | 74.00 | -32.25 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4844.900 | 33.90 | -2.26 | 31.64 | 54.00 | -22.36 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|----------|-------|-------|-------|-------|--------|-----|---|----------|-------|-------|-------|-------|--------|------|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT40) Mode 2422MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>4843.748</td> <td>33.87</td> <td>-2.27</td> <td>31.60</td> <td>54.00</td> <td>-22.40</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>4844.710</td> <td>47.65</td> <td>-2.26</td> <td>45.39</td> <td>74.00</td> <td>-28.61</td> <td>peak</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 * | 4843.748 | 33.87 | -2.27 | 31.60 | 54.00 | -22.40 | AVG | 2 | 4844.710 | 47.65 | -2.26 | 45.39 | 74.00 | -28.61 | peak |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 * | 4843.748 | 33.87 | -2.27 | 31.60 | 54.00 | -22.40 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4844.710 | 47.65 | -2.26 | 45.39 | 74.00 | -28.61 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT40) Mode 2437MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4873.734</td> <td>46.99</td> <td>-2.14</td> <td>44.85</td> <td>74.00</td> <td>-29.15</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4874.040</td> <td>33.97</td> <td>-2.14</td> <td>31.83</td> <td>54.00</td> <td>-22.17</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4873.734 | 46.99 | -2.14 | 44.85 | 74.00 | -29.15 | peak | 2 * | 4874.040 | 33.97 | -2.14 | 31.83 | 54.00 | -22.17 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4873.734 | 46.99 | -2.14 | 44.85 | 74.00 | -29.15 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4874.040 | 33.97 | -2.14 | 31.83 | 54.00 | -22.17 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|----------|-------|-------|-------|-------|--------|-----|---|----------|-------|-------|-------|-------|--------|------|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT40) Mode 2437MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>4873.970</td> <td>33.57</td> <td>-2.14</td> <td>31.43</td> <td>54.00</td> <td>-22.57</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>4874.202</td> <td>47.36</td> <td>-2.14</td> <td>45.22</td> <td>74.00</td> <td>-28.78</td> <td>peak</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 * | 4873.970 | 33.57 | -2.14 | 31.43 | 54.00 | -22.57 | AVG | 2 | 4874.202 | 47.36 | -2.14 | 45.22 | 74.00 | -28.78 | peak |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 * | 4873.970 | 33.57 | -2.14 | 31.43 | 54.00 | -22.57 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4874.202 | 47.36 | -2.14 | 45.22 | 74.00 | -28.78 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT40) Mode 2452MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4904.006</td> <td>47.45</td> <td>-2.01</td> <td>45.44</td> <td>74.00</td> <td>-28.56</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4904.274</td> <td>33.53</td> <td>-2.01</td> <td>31.52</td> <td>54.00</td> <td>-22.48</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4904.006 | 47.45 | -2.01 | 45.44 | 74.00 | -28.56 | peak | 2 * | 4904.274 | 33.53 | -2.01 | 31.52 | 54.00 | -22.48 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4904.006 | 47.45 | -2.01 | 45.44 | 74.00 | -28.56 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4904.274 | 33.53 | -2.01 | 31.52 | 54.00 | -22.48 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ant. No. | Ant 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|----------|-------|-------|-------|-------|--------|------|-----|----------|-------|-------|-------|-------|--------|-----|
| Ant. Pol. | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Mode: | TX 802.11n(HT40) Mode 2452MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remark: | No report for the emission which more than 20 dB below the prescribed limit. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4903.662</td> <td>47.13</td> <td>-2.01</td> <td>45.12</td> <td>74.00</td> <td>-28.88</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>4903.934</td> <td>33.54</td> <td>-2.01</td> <td>31.53</td> <td>54.00</td> <td>-22.47</td> <td>AVG</td> </tr> </tbody> </table> | | | | | | | | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | 1 | 4903.662 | 47.13 | -2.01 | 45.12 | 74.00 | -28.88 | peak | 2 * | 4903.934 | 33.54 | -2.01 | 31.53 | 54.00 | -22.47 | AVG |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4903.662 | 47.13 | -2.01 | 45.12 | 74.00 | -28.88 | peak | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 * | 4903.934 | 33.54 | -2.01 | 31.53 | 54.00 | -22.47 | AVG | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

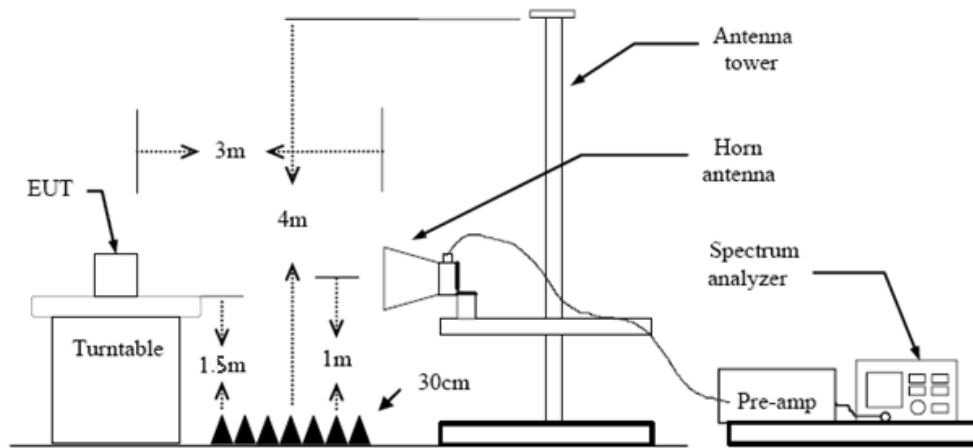
3.3. Band Edge Emissions (Radiated)

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d) / RSS-247 5.5

| Restricted Frequency Band (MHz) | (dBµV/m) (at 3m) | |
|---------------------------------|------------------|---------|
| | Peak | Average |
| 2310 ~ 2390 | 74 | 54 |
| 2483.5 ~ 2500 | 74 | 54 |

Test Configuration



Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
5. The receiver set as follow:
 RBW=1MHz, VBW=3MHz Peak detector for Peak value.
 RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.8 Duty Cycle.

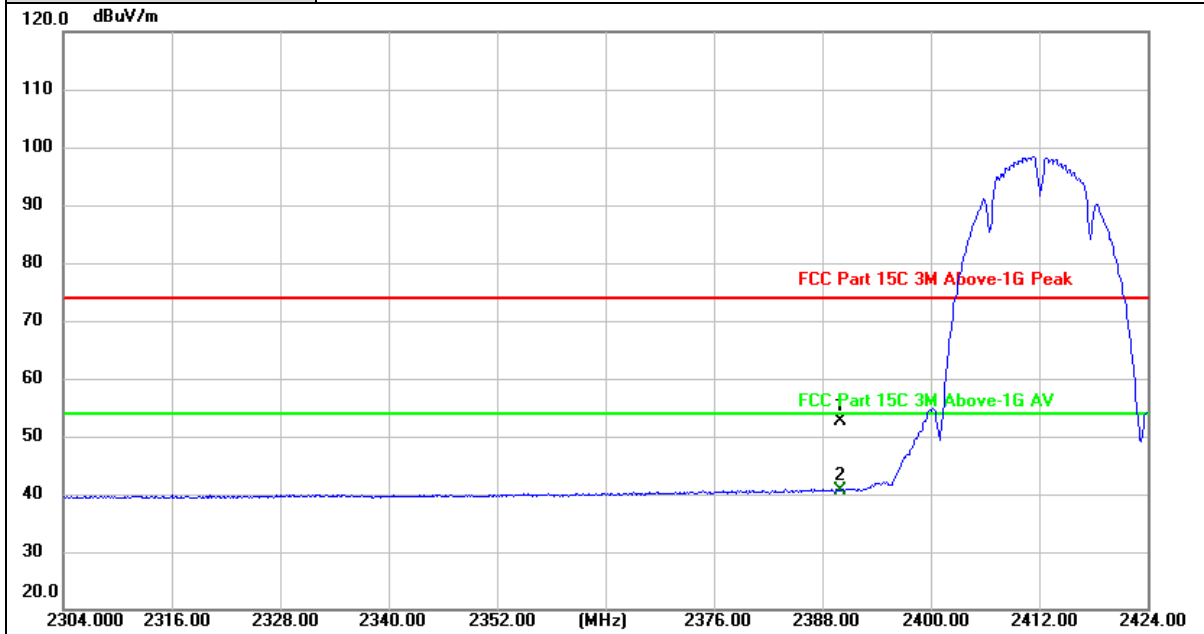
Test Mode

Please refer to the clause 2.4.



Test Result

| | |
|-------------------|-------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Horizontal |
| Test Mode: | TX 802.11b Mode 2412MHz |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2390.000 | 20.66 | 32.08 | 52.74 | 74.00 | -21.26 | peak |
| 2 * | 2390.000 | 8.65 | 32.08 | 40.73 | 54.00 | -13.27 | AVG |

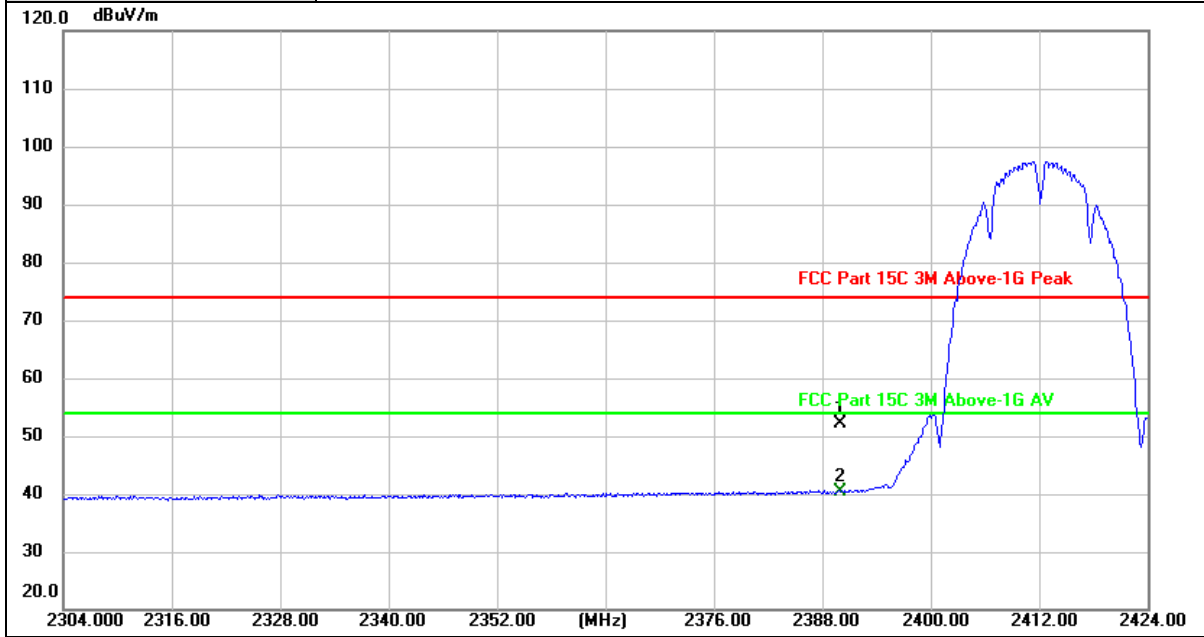
Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2. Margin value = Level -Limit value





| | |
|-------------------|-------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Vertical |
| Test Mode: | TX 802.11b Mode 2412MHz |



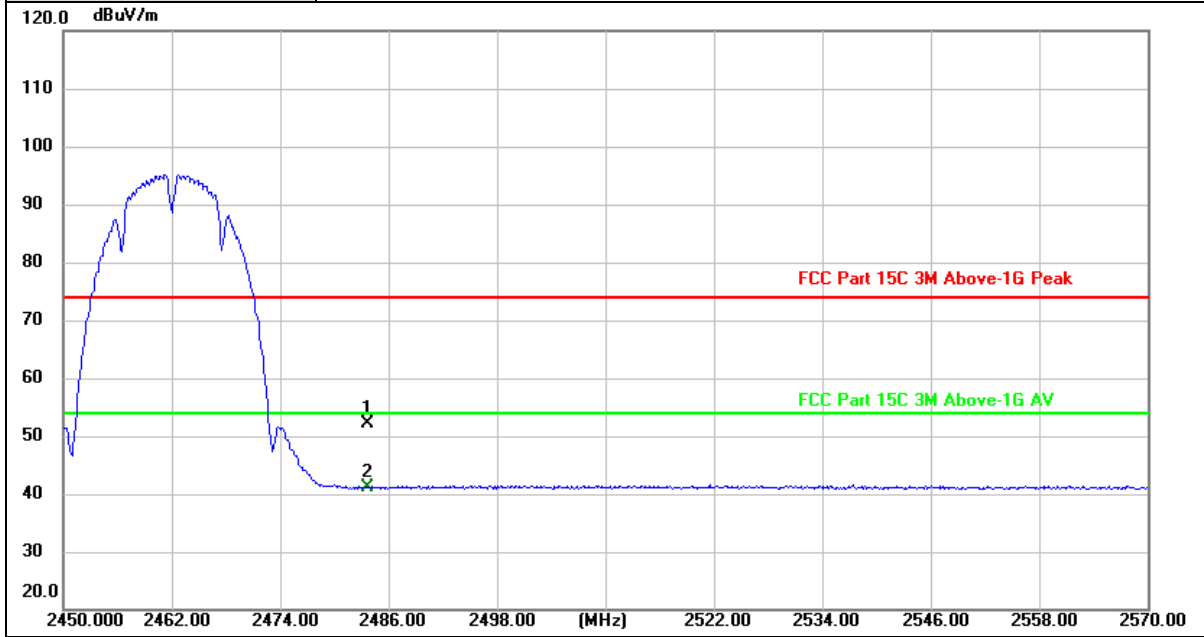
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2390.000 | 20.13 | 32.08 | 52.21 | 74.00 | -21.79 | peak |
| 2 * | 2390.000 | 8.32 | 32.08 | 40.40 | 54.00 | -13.60 | AVG |

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



| | |
|-------------------|-------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Horizontal |
| Test Mode: | TX 802.11b Mode 2462MHz |



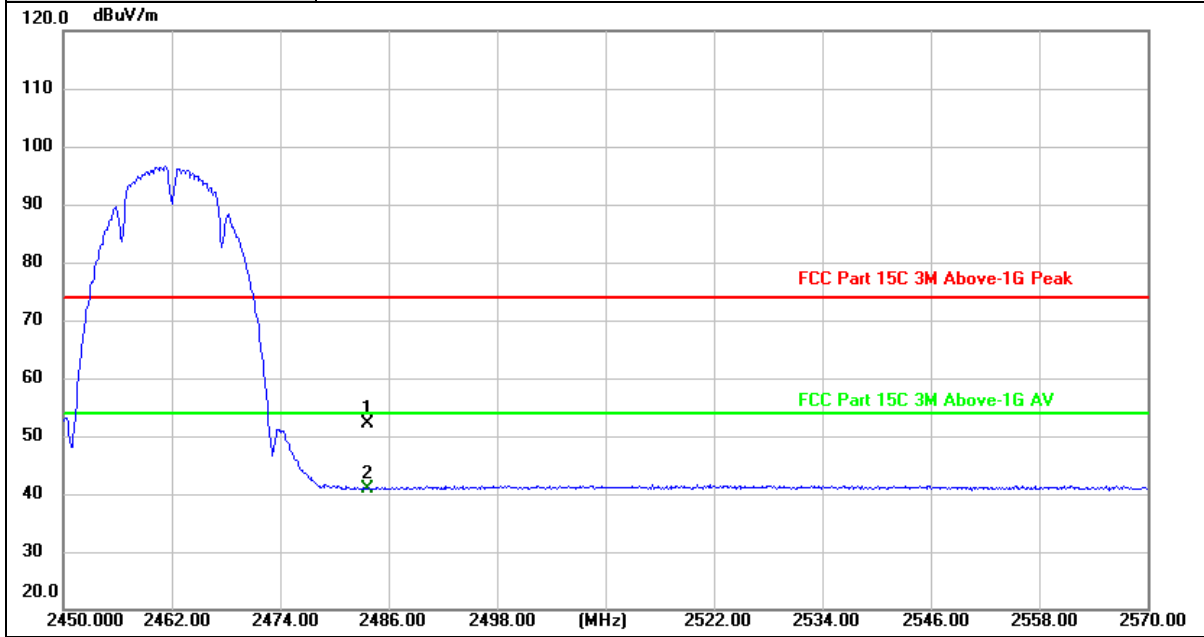
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2483.500 | 19.69 | 32.52 | 52.21 | 74.00 | -21.79 | peak |
| 2 * | 2483.500 | 8.52 | 32.52 | 41.04 | 54.00 | -12.96 | AVG |

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



| | |
|------------|-------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Vertical |
| Test Mode: | TX 802.11b Mode 2462MHz |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2483.500 | 19.66 | 32.52 | 52.18 | 74.00 | -21.82 | peak |
| 2 * | 2483.500 | 8.41 | 32.52 | 40.93 | 54.00 | -13.07 | AVG |

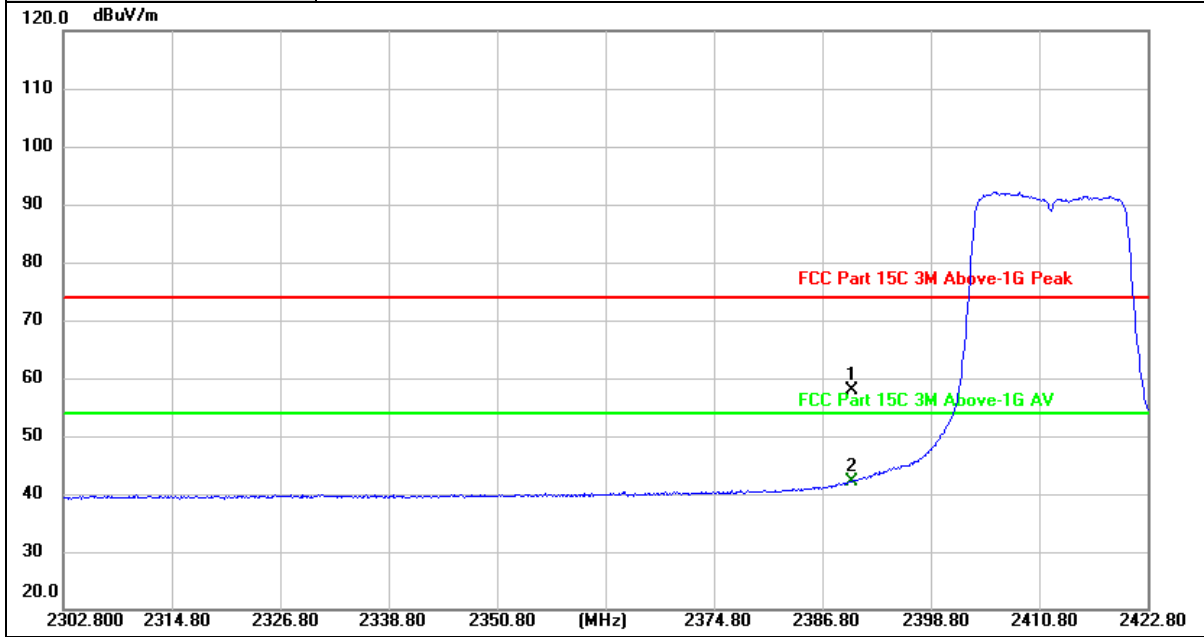
Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value





| | |
|------------|-------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Horizontal |
| Test Mode: | TX 802.11g Mode 2412MHz |



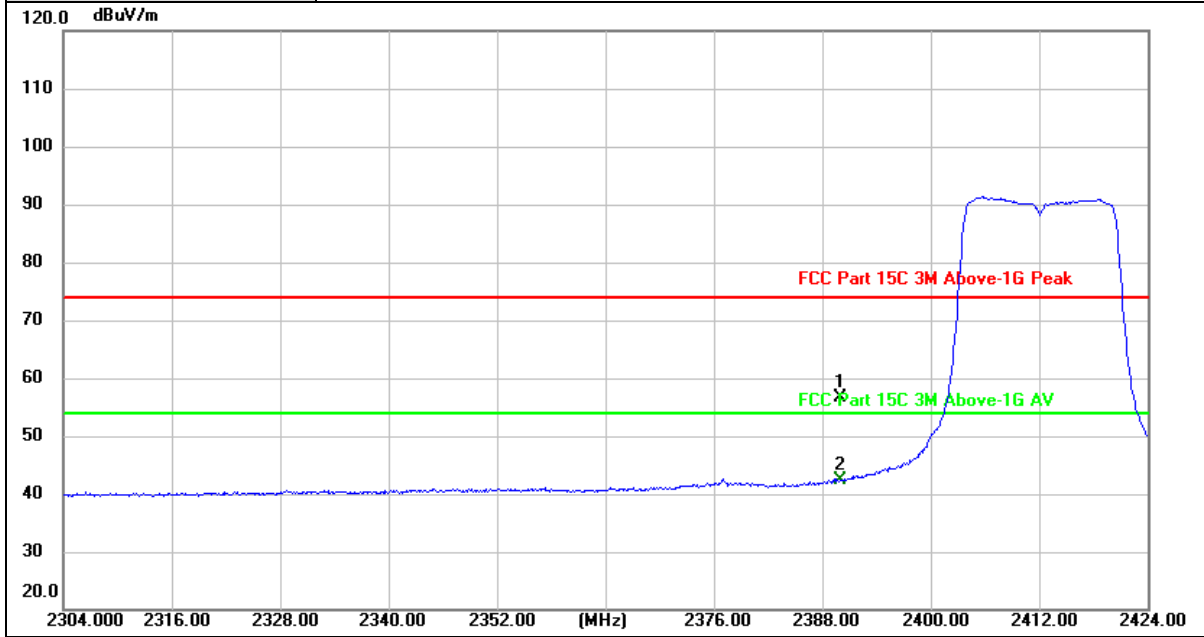
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2390.000 | 25.72 | 32.08 | 57.80 | 74.00 | -16.20 | peak |
| 2 * | 2390.000 | 9.99 | 32.08 | 42.07 | 54.00 | -11.93 | AVG |

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



| | |
|------------|-------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Vertical |
| Test Mode: | TX 802.11g Mode 2412MHz |



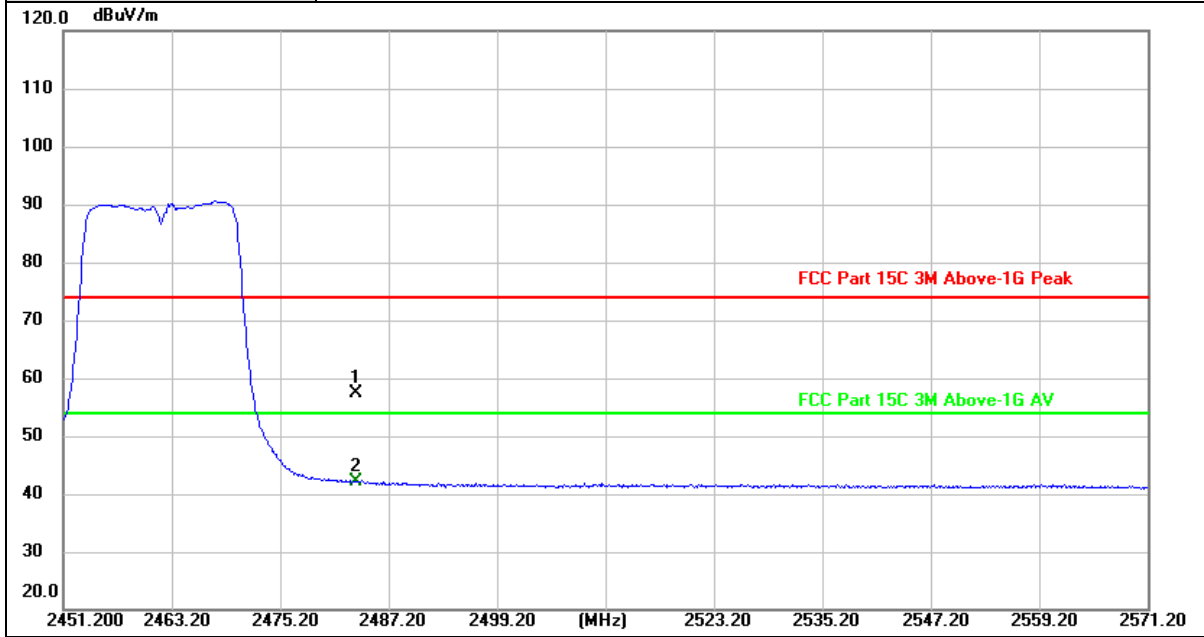
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2390.000 | 24.60 | 32.08 | 56.68 | 74.00 | -17.32 | peak |
| 2 * | 2390.000 | 10.25 | 32.08 | 42.33 | 54.00 | -11.67 | AVG |

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



| | |
|-------------------|-------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Horizontal |
| Test Mode: | TX 802.11g Mode 2462MHz |



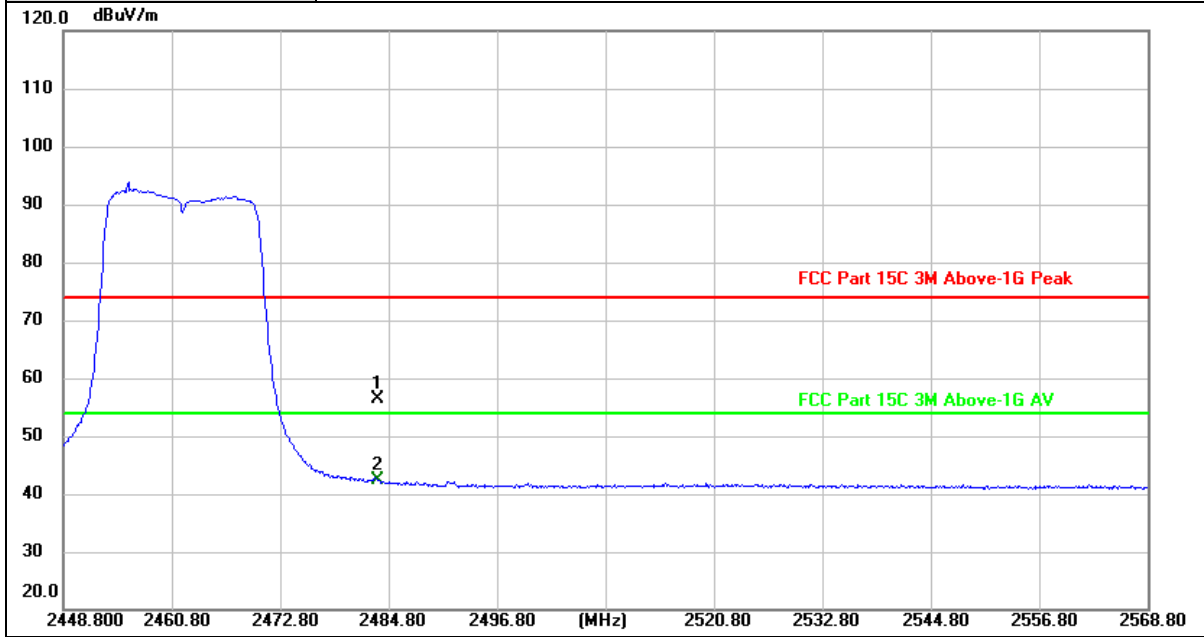
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2483.500 | 24.77 | 32.52 | 57.29 | 74.00 | -16.71 | peak |
| 2 * | 2483.500 | 9.56 | 32.52 | 42.08 | 54.00 | -11.92 | AVG |

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



| | |
|------------|-------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Vertical |
| Test Mode: | TX 802.11g Mode 2462MHz |



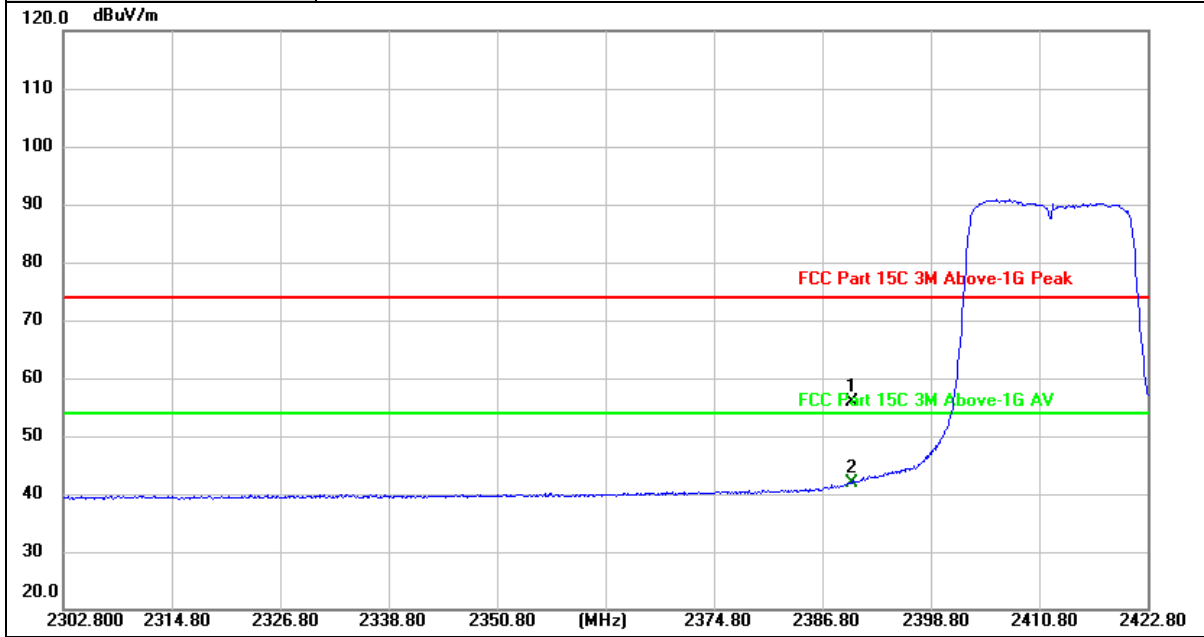
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2483.500 | 23.83 | 32.52 | 56.35 | 74.00 | -17.65 | peak |
| 2 * | 2483.500 | 9.94 | 32.52 | 42.46 | 54.00 | -11.54 | AVG |

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



| | |
|-------------------|-------------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Horizontal |
| Test Mode: | TX 802.11n(HT20) Mode 2412MHz |



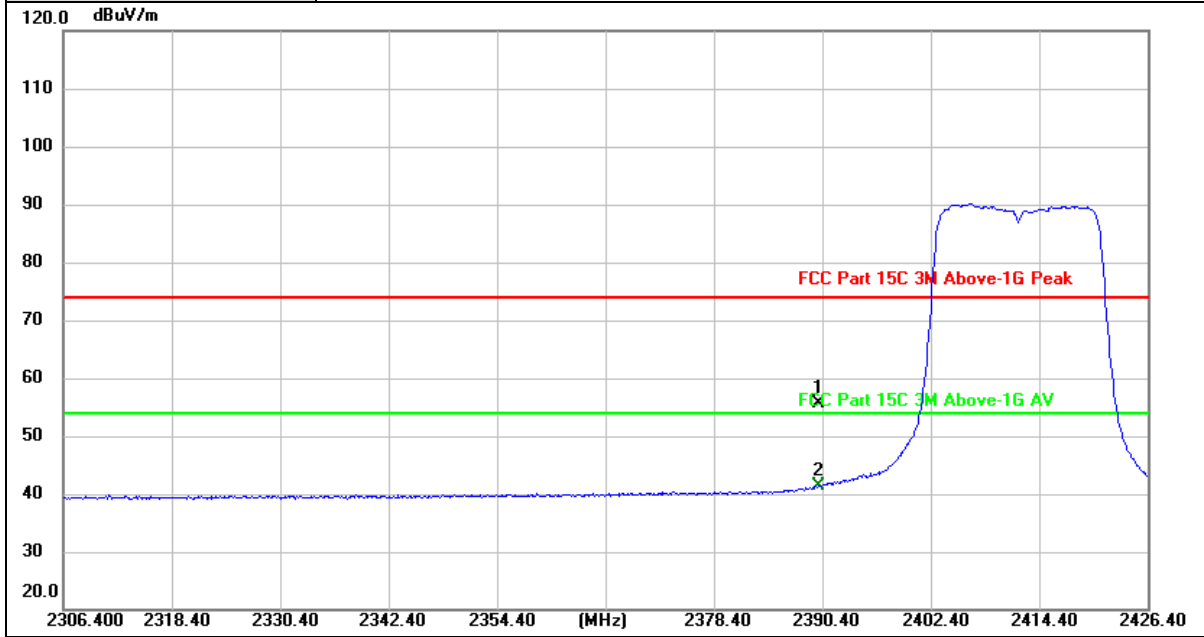
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2390.000 | 23.75 | 32.08 | 55.83 | 74.00 | -18.17 | peak |
| 2 * | 2390.000 | 9.74 | 32.08 | 41.82 | 54.00 | -12.18 | AVG |

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



| | |
|------------|-------------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Vertical |
| Test Mode: | TX 802.11n(HT20) Mode 2412MHz |



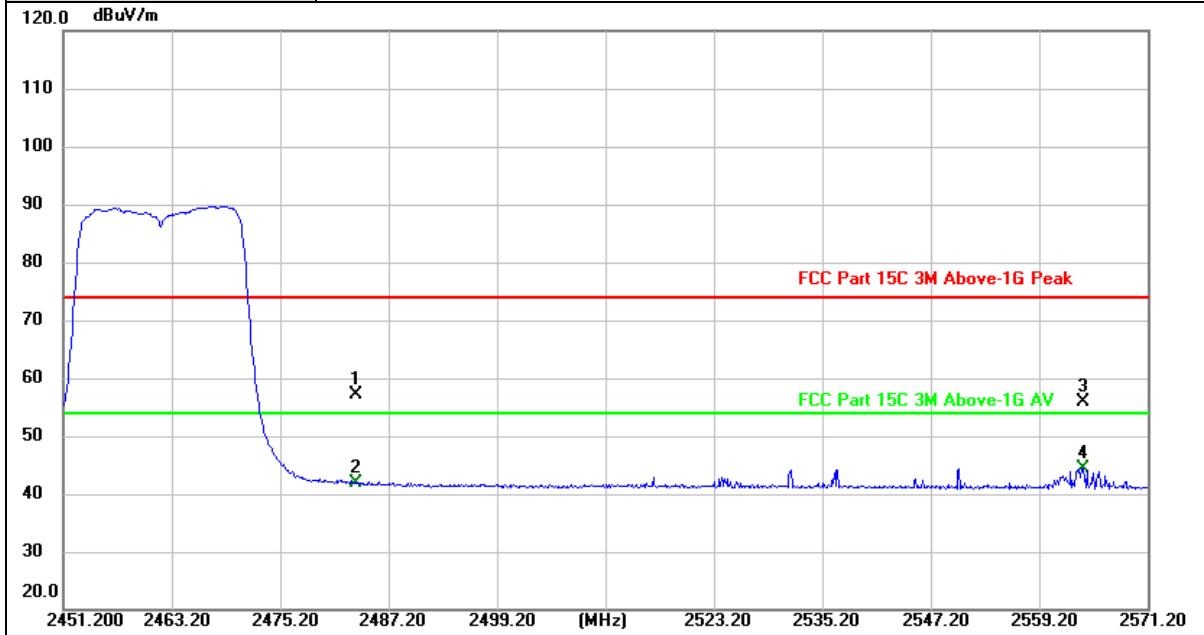
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2390.000 | 23.62 | 32.08 | 55.70 | 74.00 | -18.30 | peak |
| 2 * | 2390.000 | 9.38 | 32.08 | 41.46 | 54.00 | -12.54 | AVG |

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



| | |
|------------|-------------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Horizontal |
| Test Mode: | TX 802.11n(HT20) Mode 2462MHz |



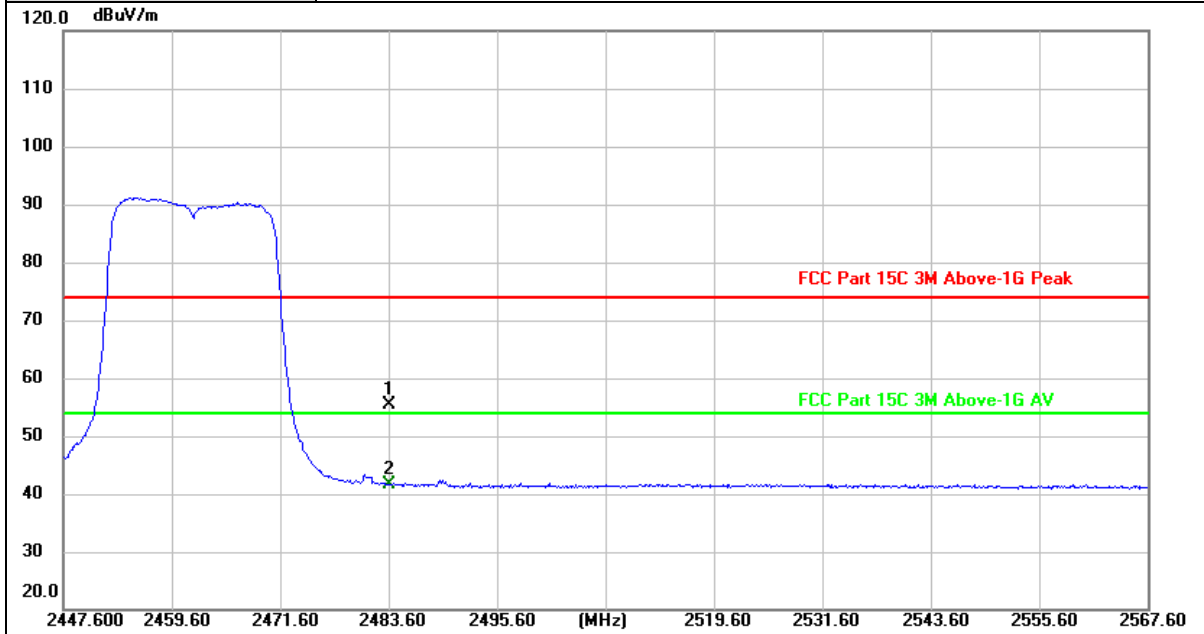
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2483.500 | 24.63 | 32.52 | 57.15 | 74.00 | -16.85 | peak |
| 2 | 2483.500 | 9.34 | 32.52 | 41.86 | 54.00 | -12.14 | AVG |
| 3 | 2564.000 | 23.18 | 32.67 | 55.85 | 74.00 | -18.15 | peak |
| 4 * | 2564.000 | 11.82 | 32.67 | 44.49 | 54.00 | -9.51 | AVG |

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2. Margin value = Level -Limit value



| | |
|------------|-------------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Vertical |
| Test Mode: | TX 802.11n(HT20) Mode 2462MHz |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2483.500 | 22.76 | 32.52 | 55.28 | 74.00 | -18.72 | peak |
| 2 * | 2483.500 | 9.12 | 32.52 | 41.64 | 54.00 | -12.36 | AVG |

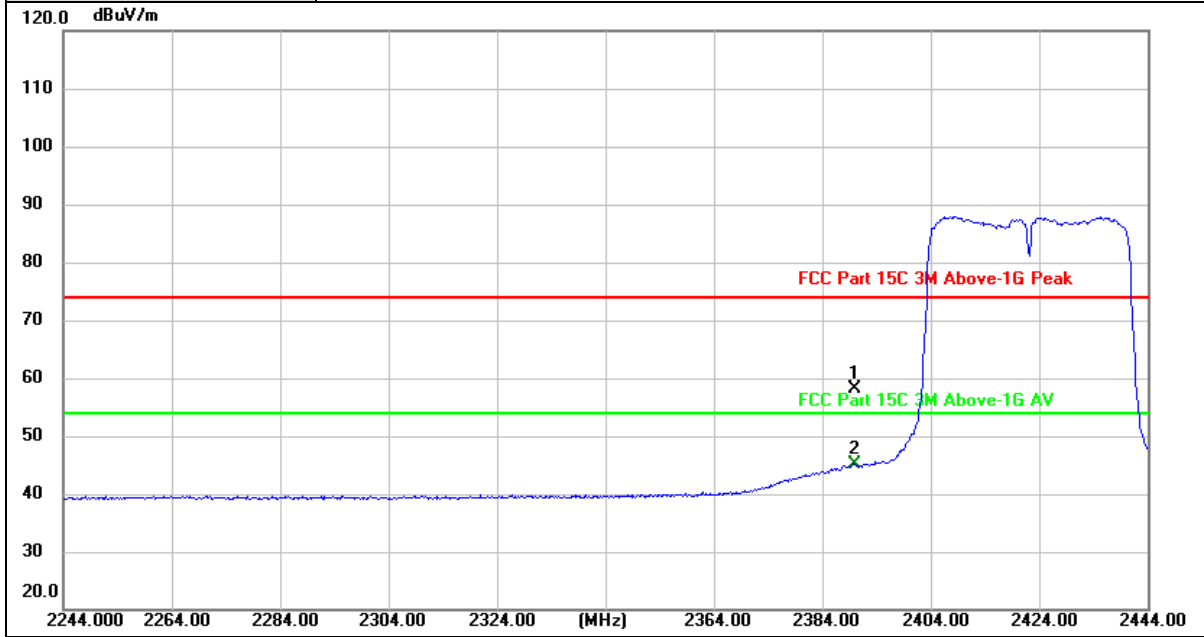
Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value





| | |
|------------|-------------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Horizontal |
| Test Mode: | TX 802.11n(HT40) Mode 2422MHz |



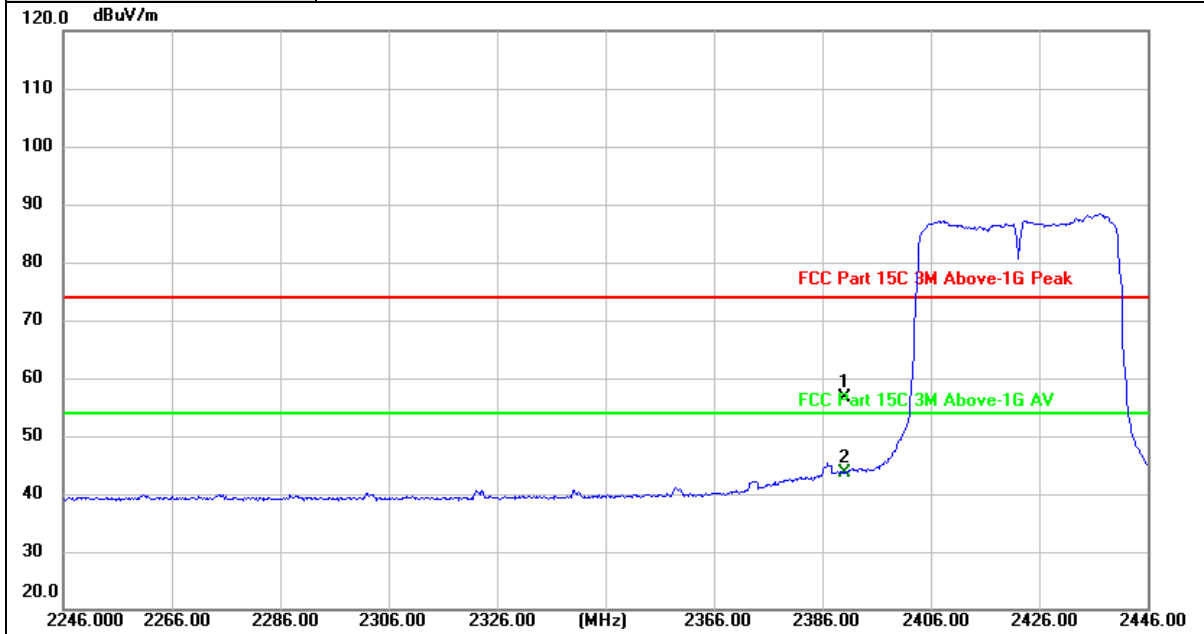
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2390.000 | 26.10 | 32.08 | 58.18 | 74.00 | -15.82 | peak |
| 2 * | 2390.000 | 13.02 | 32.08 | 45.10 | 54.00 | -8.90 | AVG |

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



| | |
|------------|-------------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Vertical |
| Test Mode: | TX 802.11n(HT40) Mode 2422MHz |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2390.000 | 24.63 | 32.08 | 56.71 | 74.00 | -17.29 | peak |
| 2 * | 2390.000 | 11.62 | 32.08 | 43.70 | 54.00 | -10.30 | AVG |

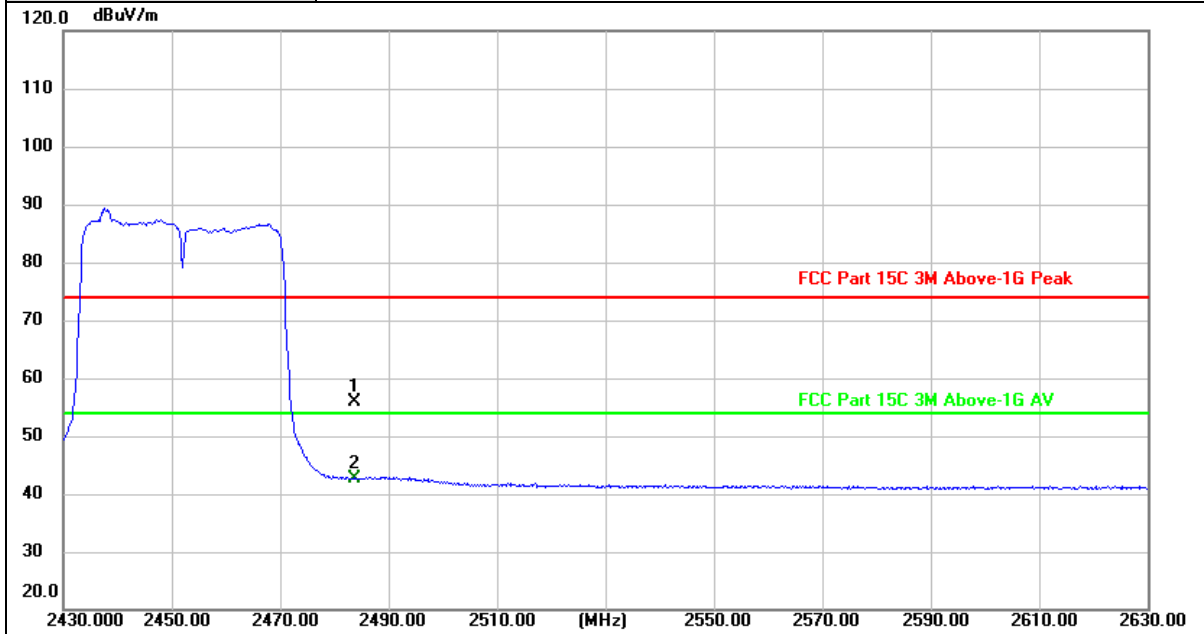
Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value





| | |
|------------|-------------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Horizontal |
| Test Mode: | TX 802.11n(HT40) Mode 2452MHz |



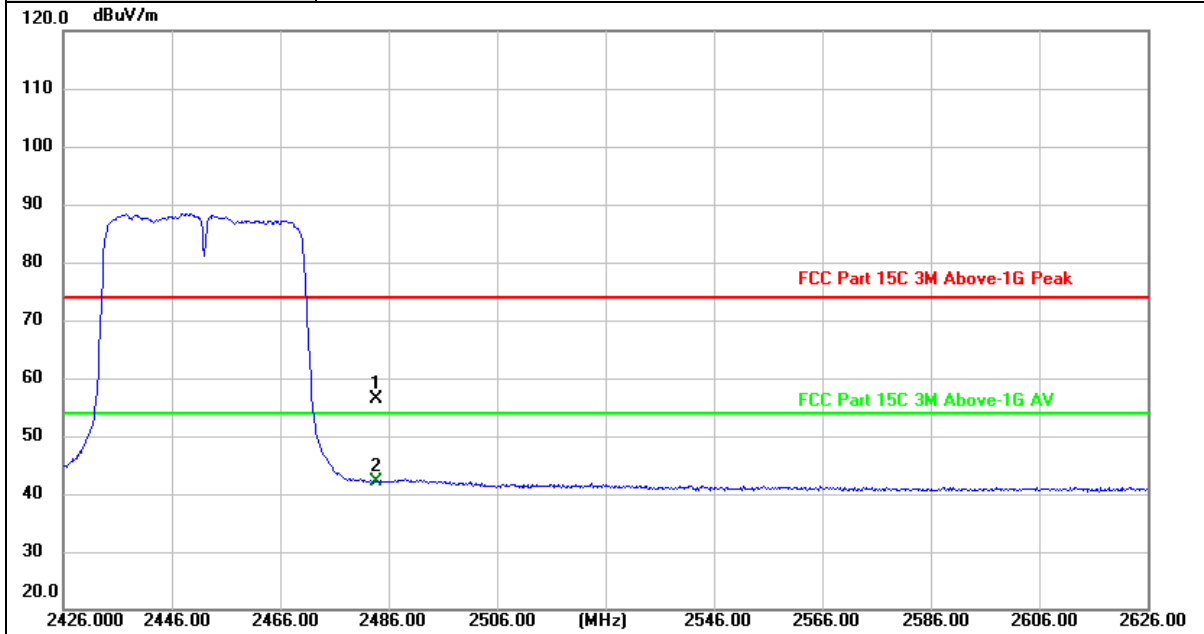
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2483.500 | 23.42 | 32.52 | 55.94 | 74.00 | -18.06 | peak |
| 2 * | 2483.500 | 10.12 | 32.52 | 42.64 | 54.00 | -11.36 | AVG |

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



| | |
|------------|-------------------------------|
| Ant. No. | Ant 1 |
| Ant. Pol. | Vertical |
| Test Mode: | TX 802.11n(HT40) Mode 2452MHz |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 | 2483.500 | 23.90 | 32.52 | 56.42 | 74.00 | -17.58 | peak |
| 2 * | 2483.500 | 9.62 | 32.52 | 42.14 | 54.00 | -11.86 | AVG |

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

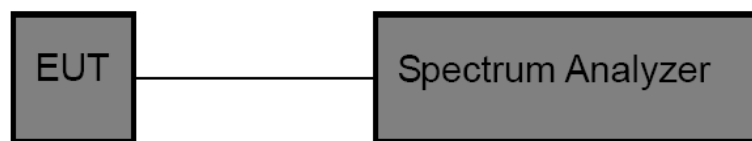
3.4. Band Edge and Spurious Emissions (Conducted)

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d) / RSS-247 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Test Configuration



Test Procedure

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:
RBW = 100 kHz, VBW \geq RBW, scan up through 10th harmonic.
Sweep = auto, Detector function = peak, Trace = max hold.
4. Measure and record the results in the test report.

Test Mode

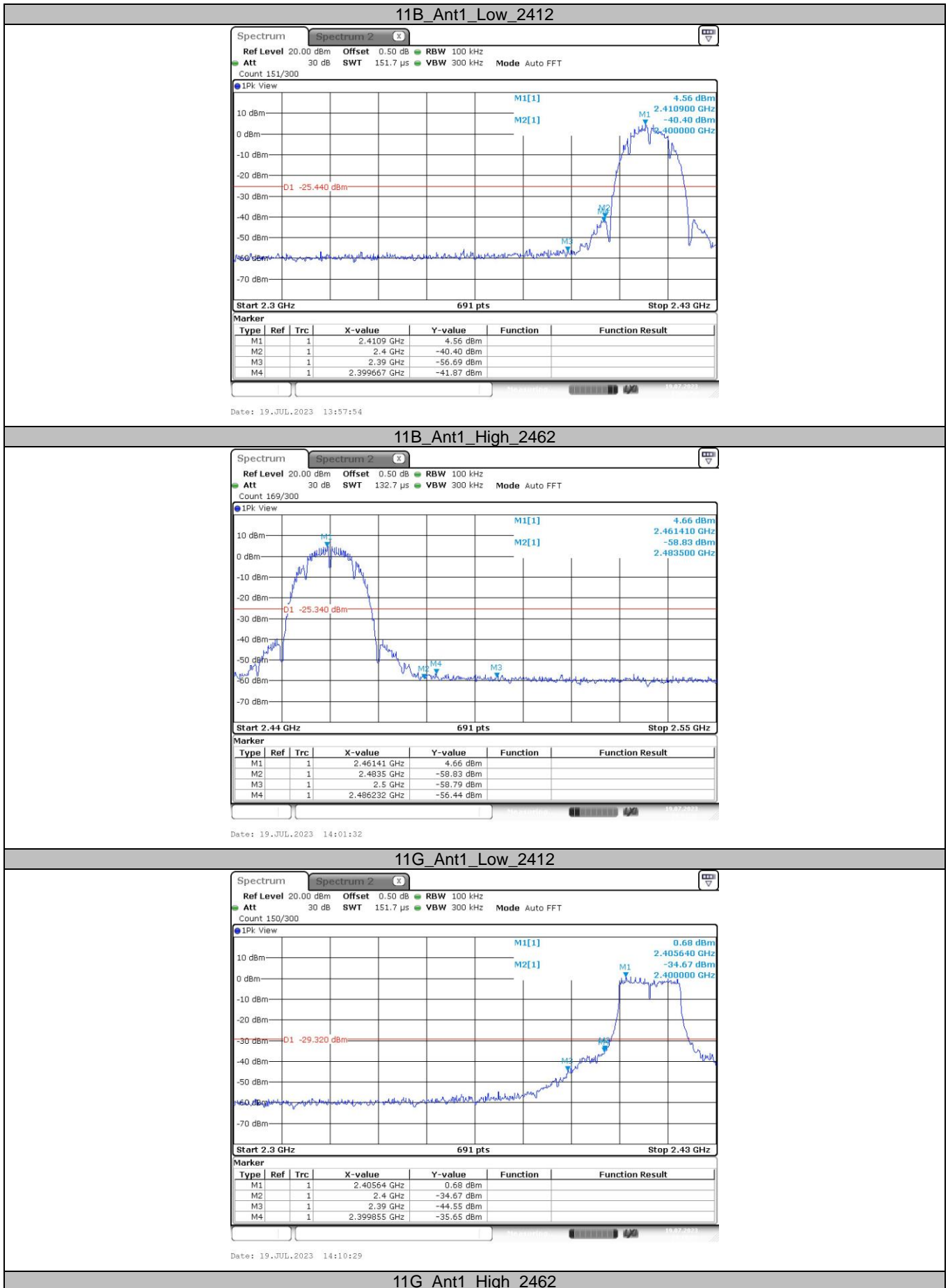
Please refer to the clause 2.4.

**Test Result****(1) Band Edge Conducted Test**

| TestMode | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B | Ant1 | Low | 2412 | 4.56 | -41.87 | ≤-25.44 | PASS |
| | | High | 2462 | 4.66 | -56.44 | ≤-25.34 | PASS |
| 11G | Ant1 | Low | 2412 | 0.68 | -35.65 | ≤-29.32 | PASS |
| | | High | 2462 | -0.37 | -47.01 | ≤-30.37 | PASS |
| 11N20SISO | Ant1 | Low | 2412 | 1.23 | -36.66 | ≤-28.77 | PASS |
| | | High | 2462 | -1.15 | -45.48 | ≤-31.15 | PASS |
| 11N40SISO | Ant1 | Low | 2422 | -2.63 | -36.29 | ≤-32.63 | PASS |
| | | High | 2452 | -1.37 | -40.09 | ≤-31.37 | PASS |



Test plot as follows:

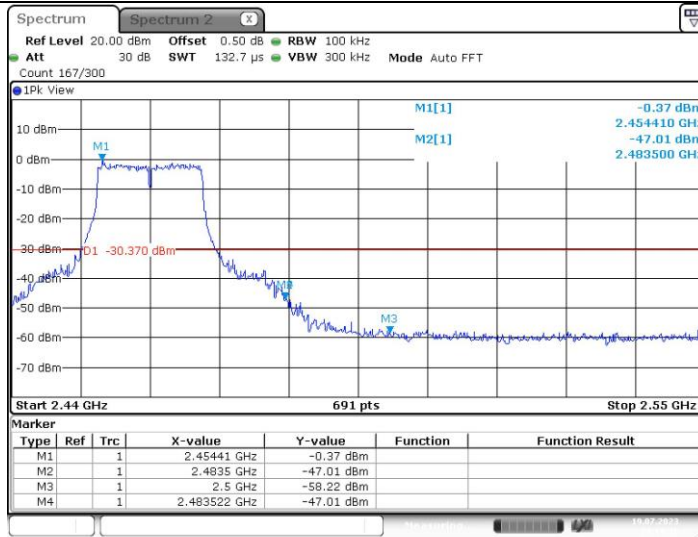


CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China
 Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

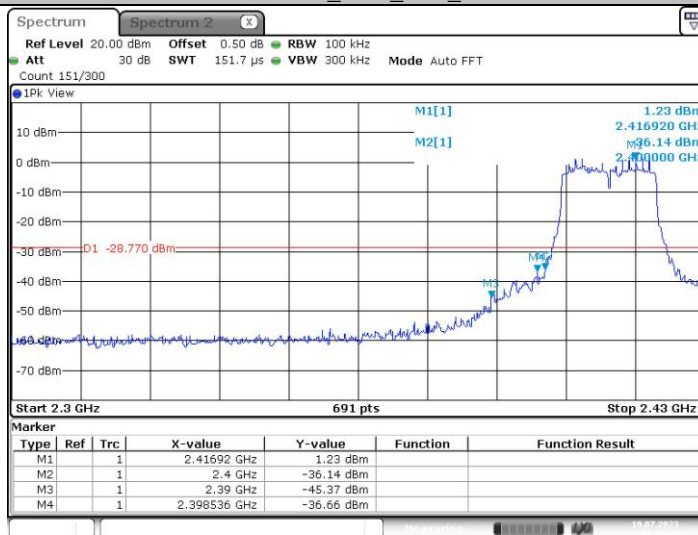


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : <http://yz.cnca.cn>



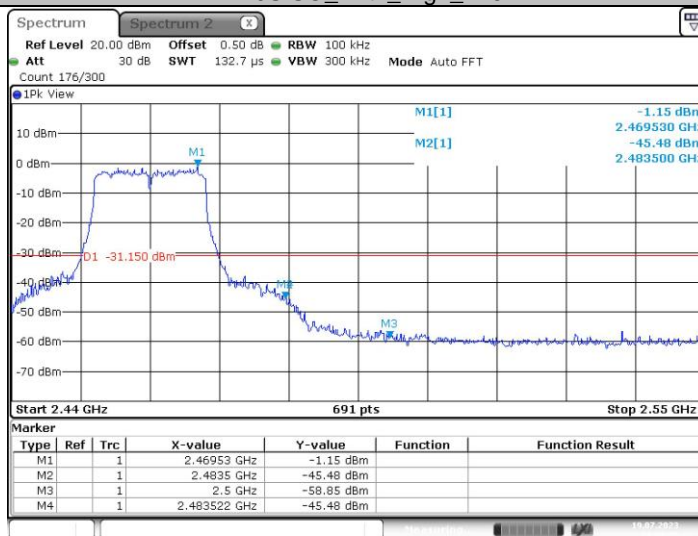
Date: 19.JUL.2023 14:14:10

11N20SISO_Ant1_Low_2412



Date: 19.JUL.2023 14:16:27

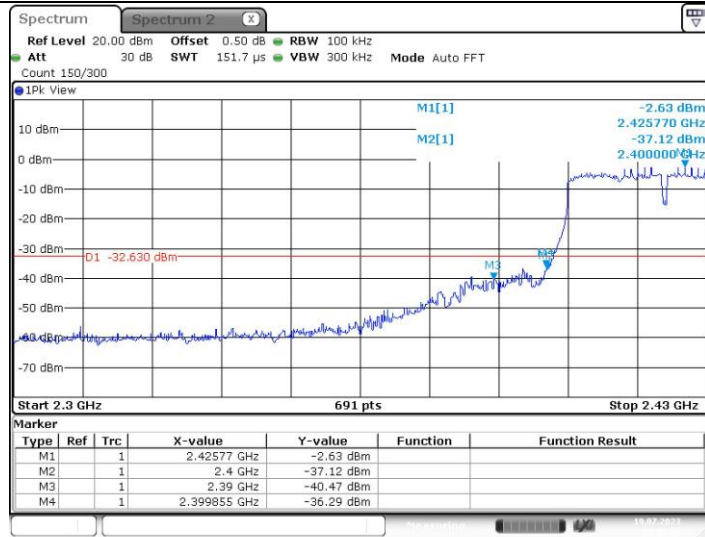
11N20SISO_Ant1_High_2462



Date: 19.JUL.2023 14:20:35

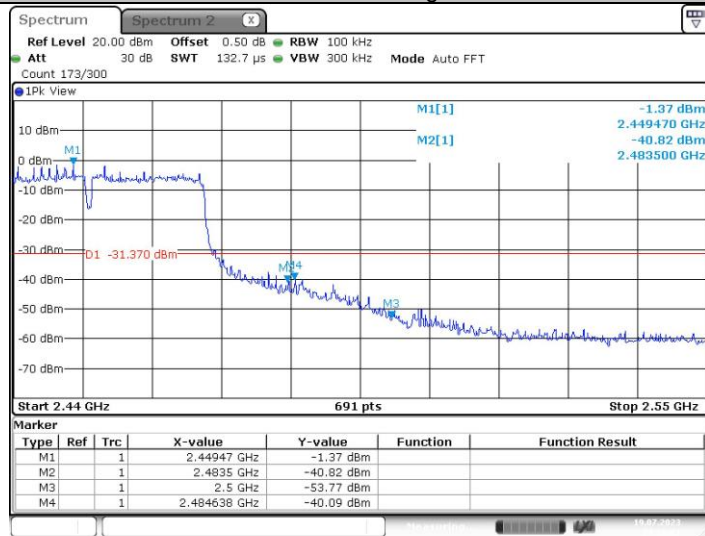
11N40SISO_Ant1_Low_2422





Date: 19.JUL.2023 14:22:37

11N40SISO_Ant1_High_2452



Date: 19.JUL.2023 14:26:21

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2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China
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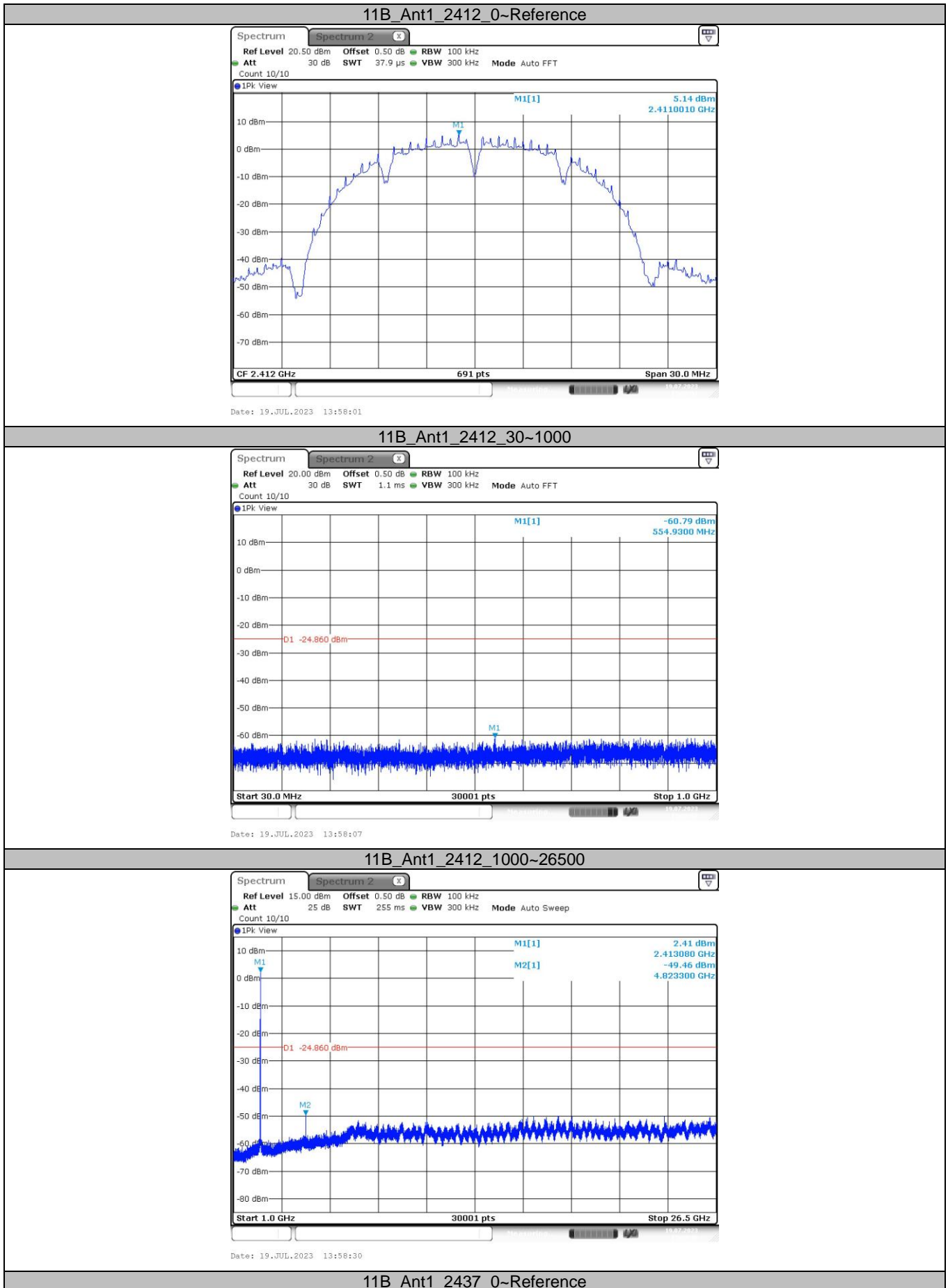


(2) Spurious Emissions Conducted Test

| TestMode | Antenna | Channel | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|---------|-----------------|----------------|--------------|-------------|---------|
| 11B | Ant1 | 2412 | Reference | 5.14 | 5.14 | --- | PASS |
| | | | 30~1000 | 5.14 | -60.79 | ≤-24.86 | PASS |
| | | | 1000~26500 | 5.14 | -49.46 | ≤-24.86 | PASS |
| | | 2437 | Reference | 4.71 | 4.71 | --- | PASS |
| | | | 30~1000 | 4.71 | -60.43 | ≤-25.29 | PASS |
| | | | 1000~26500 | 4.71 | -49.43 | ≤-25.29 | PASS |
| | | 2462 | Reference | 4.55 | 4.55 | --- | PASS |
| | | | 30~1000 | 4.55 | -60.09 | ≤-25.45 | PASS |
| | | | 1000~26500 | 4.55 | -49.88 | ≤-25.45 | PASS |
| 11G | Ant1 | 2412 | Reference | 1.01 | 1.01 | --- | PASS |
| | | | 30~1000 | 1.01 | -59.63 | ≤-28.99 | PASS |
| | | | 1000~26500 | 1.01 | -50.26 | ≤-28.99 | PASS |
| | | 2437 | Reference | 1.88 | 1.88 | --- | PASS |
| | | | 30~1000 | 1.88 | -60.12 | ≤-28.12 | PASS |
| | | | 1000~26500 | 1.88 | -49.8 | ≤-28.12 | PASS |
| | | 2462 | Reference | 1.89 | 1.89 | --- | PASS |
| | | | 30~1000 | 1.89 | -60.2 | ≤-28.11 | PASS |
| | | | 1000~26500 | 1.89 | -49.82 | ≤-28.11 | PASS |
| 11N20SISO | Ant1 | 2412 | Reference | 1.05 | 1.05 | --- | PASS |
| | | | 30~1000 | 1.05 | -59.29 | ≤-28.95 | PASS |
| | | | 1000~26500 | 1.05 | -50.36 | ≤-28.95 | PASS |
| | | 2437 | Reference | 1.87 | 1.87 | --- | PASS |
| | | | 30~1000 | 1.87 | -60.36 | ≤-28.13 | PASS |
| | | | 1000~26500 | 1.87 | -50.05 | ≤-28.13 | PASS |
| | | 2462 | Reference | 1.54 | 1.54 | --- | PASS |
| | | | 30~1000 | 1.54 | -60.13 | ≤-28.46 | PASS |
| | | | 1000~26500 | 1.54 | -50.61 | ≤-28.46 | PASS |
| 11N40SISO | Ant1 | 2422 | Reference | -1.28 | -1.28 | --- | PASS |
| | | | 30~1000 | -1.28 | -60.03 | ≤-31.28 | PASS |
| | | | 1000~26500 | -1.28 | -50.01 | ≤-31.28 | PASS |
| | | 2437 | Reference | -1.67 | -1.67 | --- | PASS |
| | | | 30~1000 | -1.67 | -60.41 | ≤-31.67 | PASS |
| | | | 1000~26500 | -1.67 | -50.5 | ≤-31.67 | PASS |
| | | 2452 | Reference | -1.53 | -1.53 | --- | PASS |
| | | | 30~1000 | -1.53 | -60.26 | ≤-31.53 | PASS |
| | | | 1000~26500 | -1.53 | -50.87 | ≤-31.53 | PASS |



Test plot as follows:

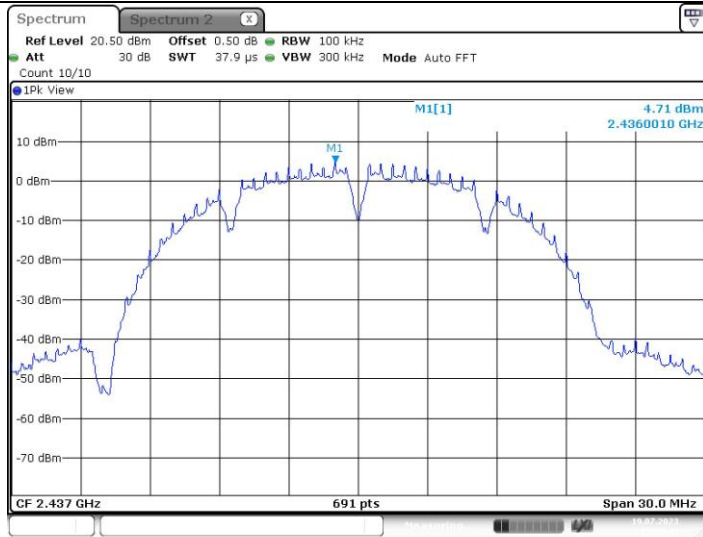


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2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China
 Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

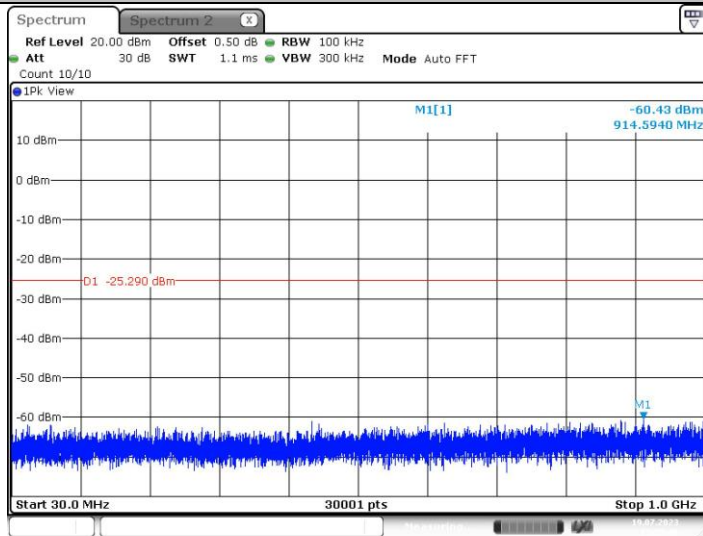


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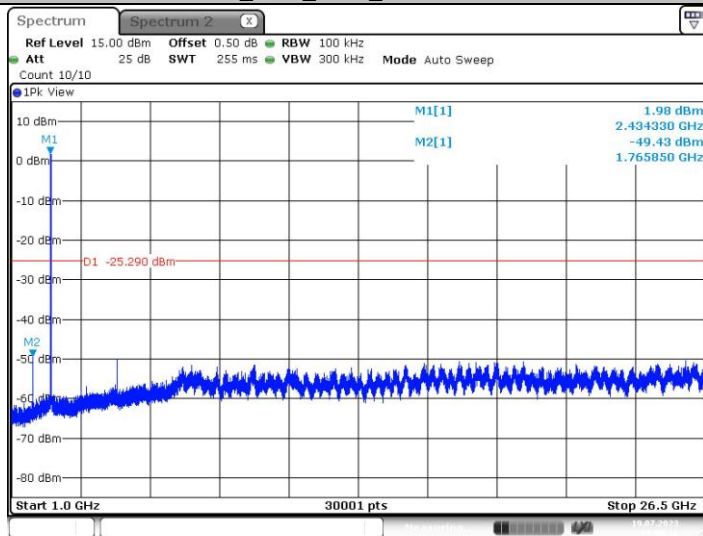
Date: 19.JUL.2023 13:59:43

11B_Ant1_2437_30~1000



Date: 19.JUL.2023 13:59:49

11B_Ant1_2437_1000~26500



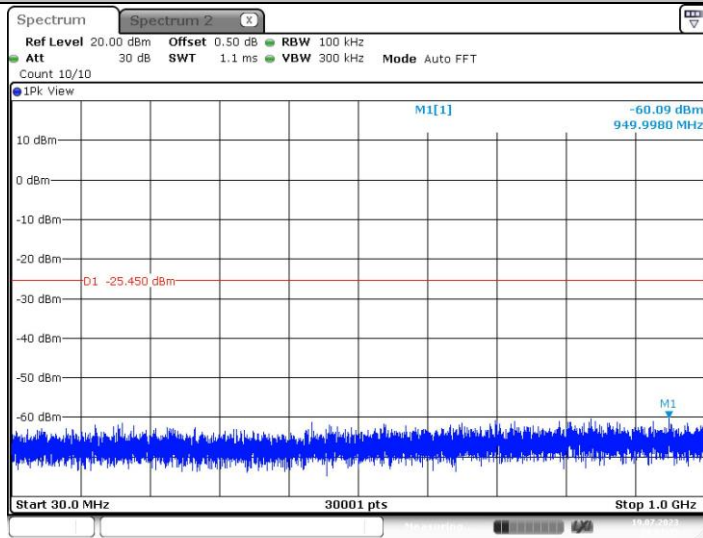
Date: 19.JUL.2023 14:00:12

11B_Ant1_2462_0~Reference

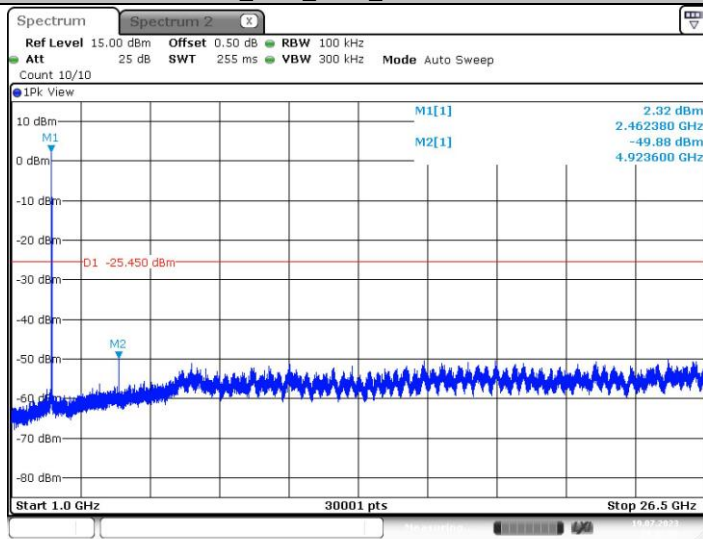




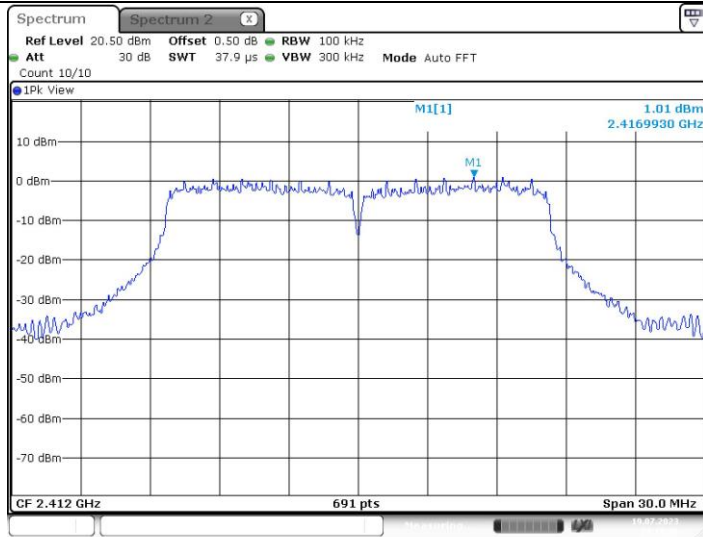
11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500

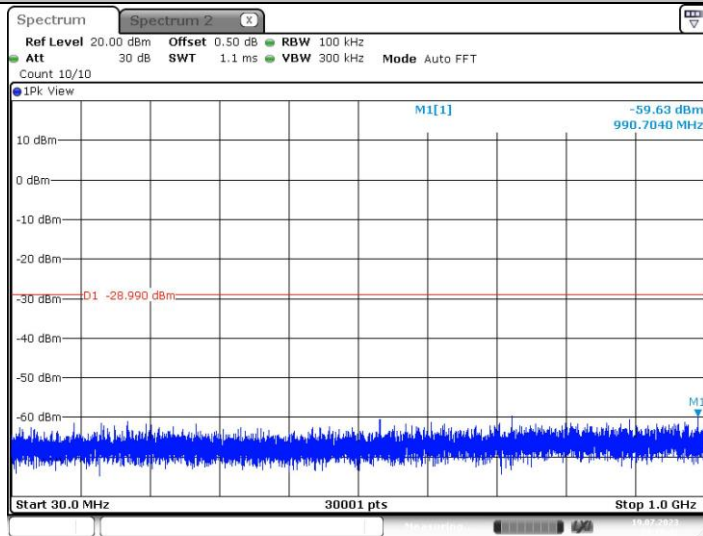


11G_Ant1_2412_0~Reference



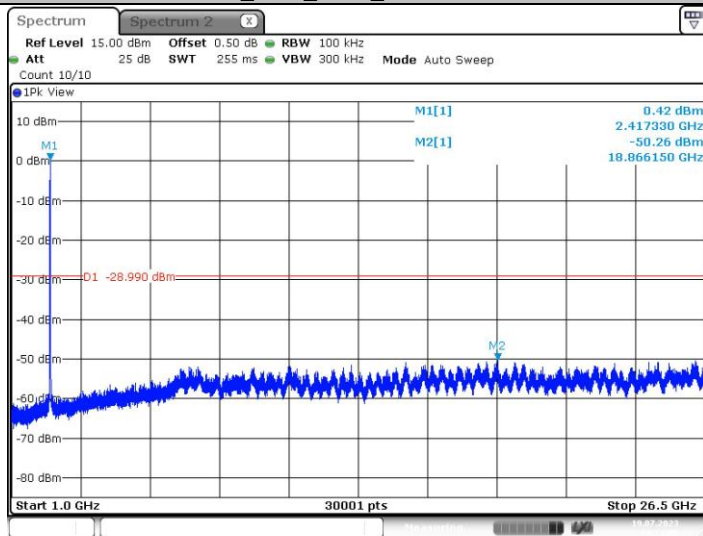
Date: 19.JUL.2023 14:10:36

11G_Ant1_2412_30~1000



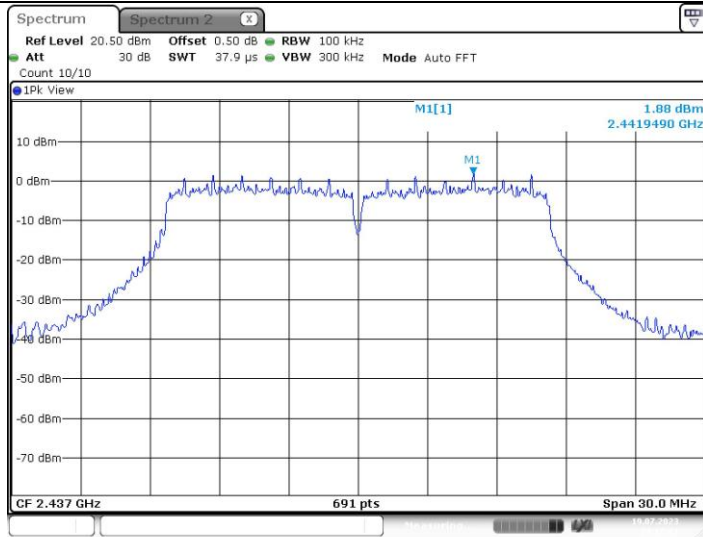
Date: 19.JUL.2023 14:10:42

11G_Ant1_2412_1000~26500

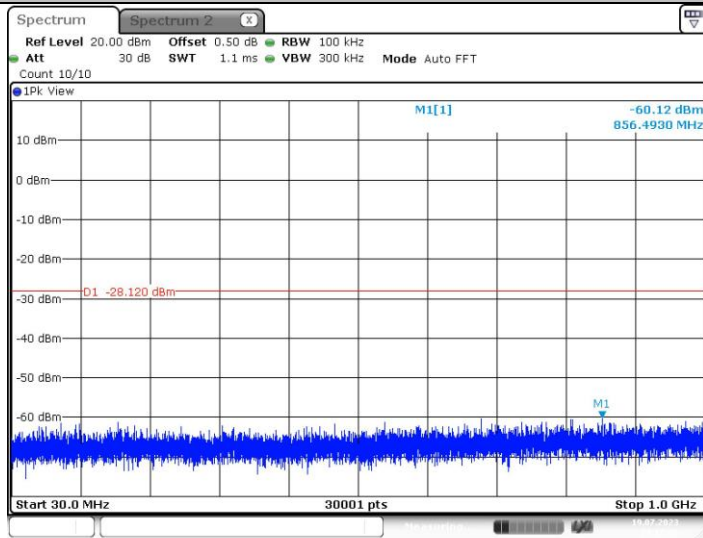


Date: 19.JUL.2023 14:11:05

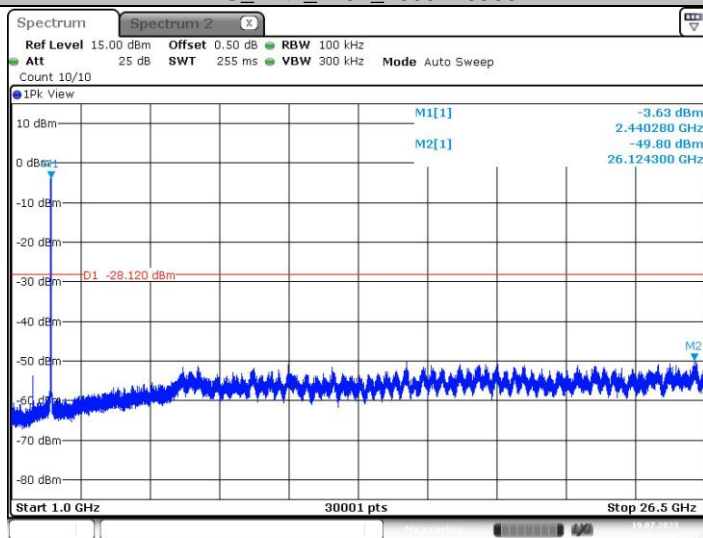
11G_Ant1_2437_0~Reference



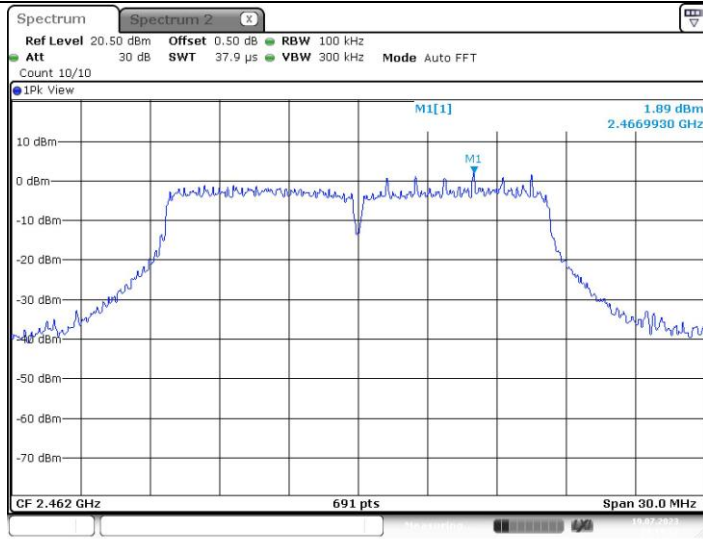
11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

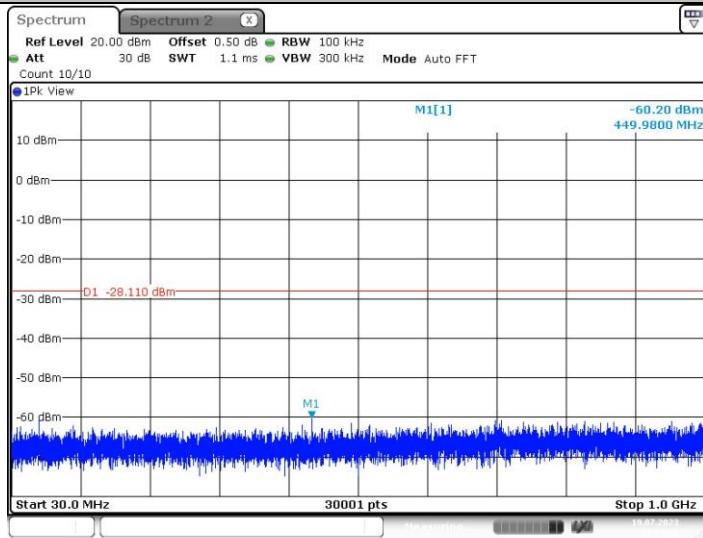


11G_Ant1_2462_0~Reference



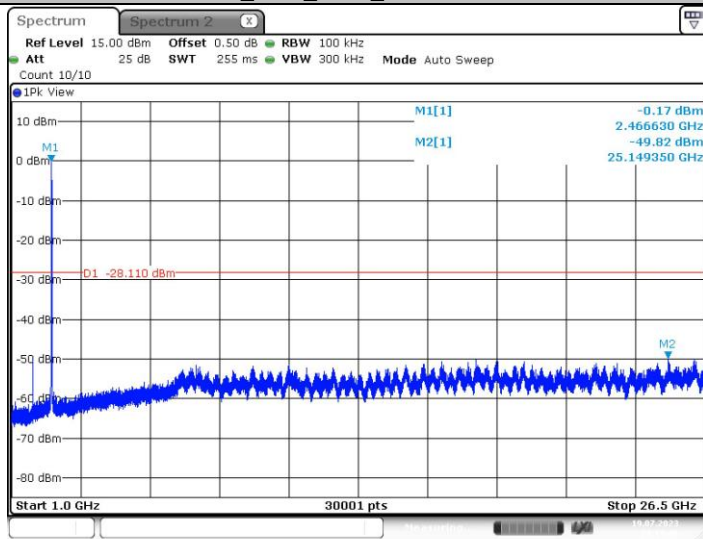
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11G_Ant1_2462_30~1000



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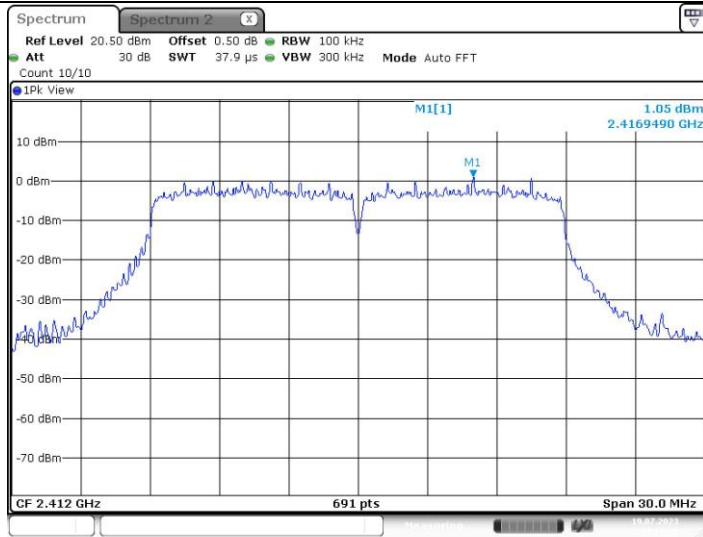
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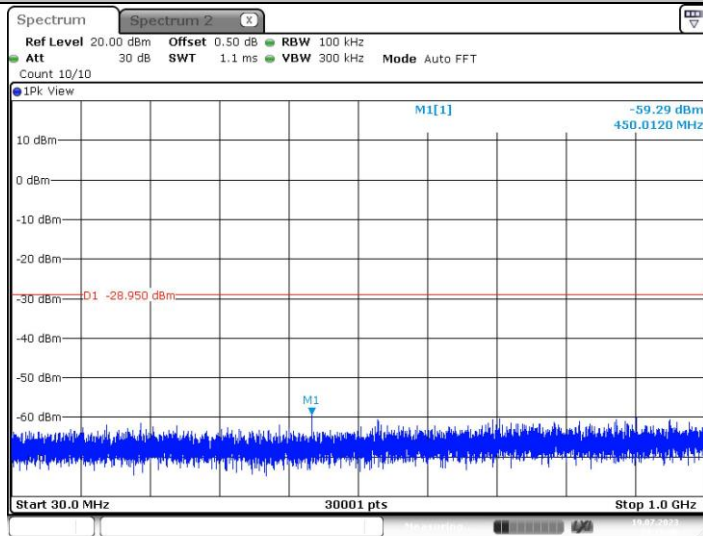
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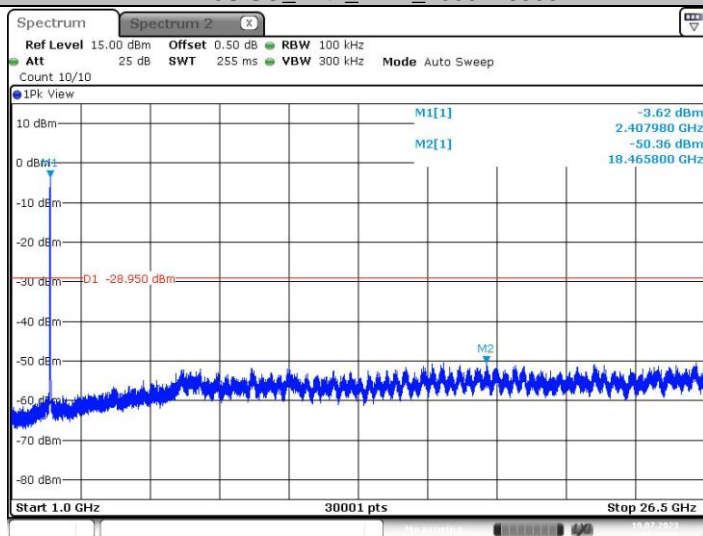
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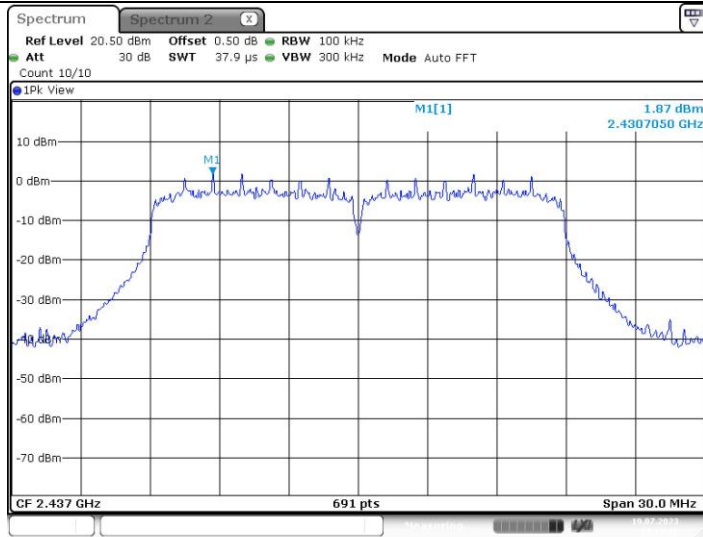
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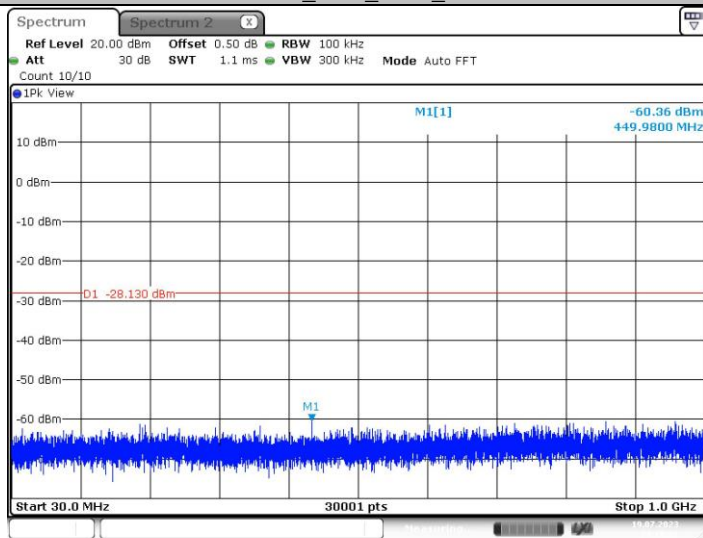
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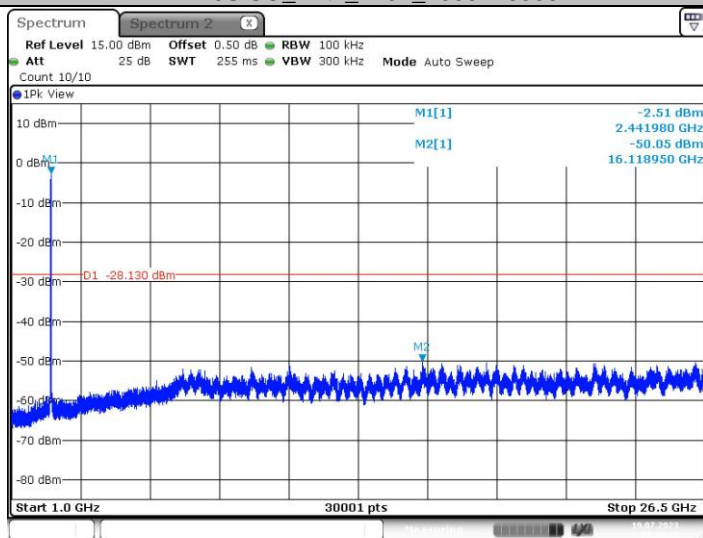
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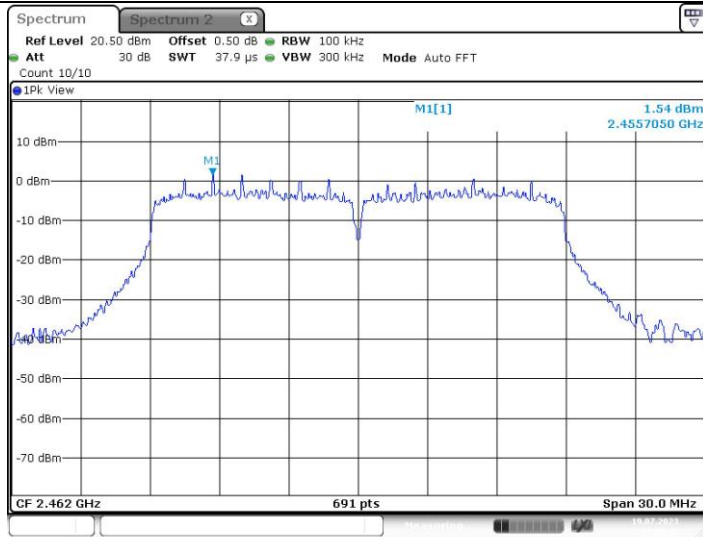
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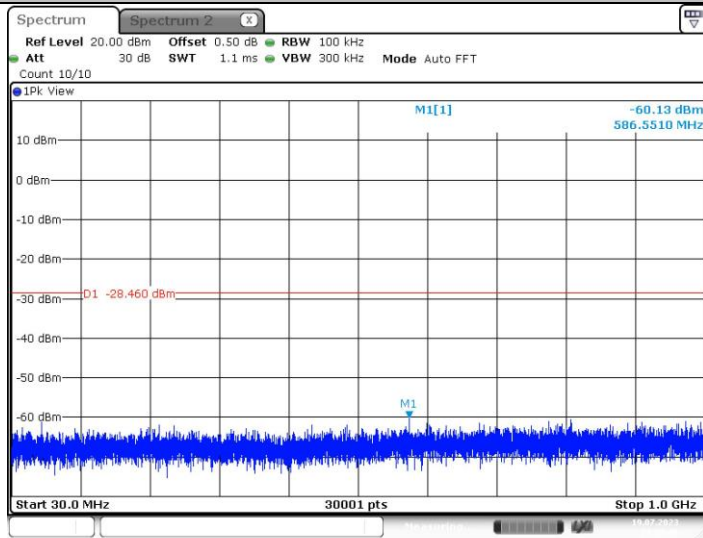


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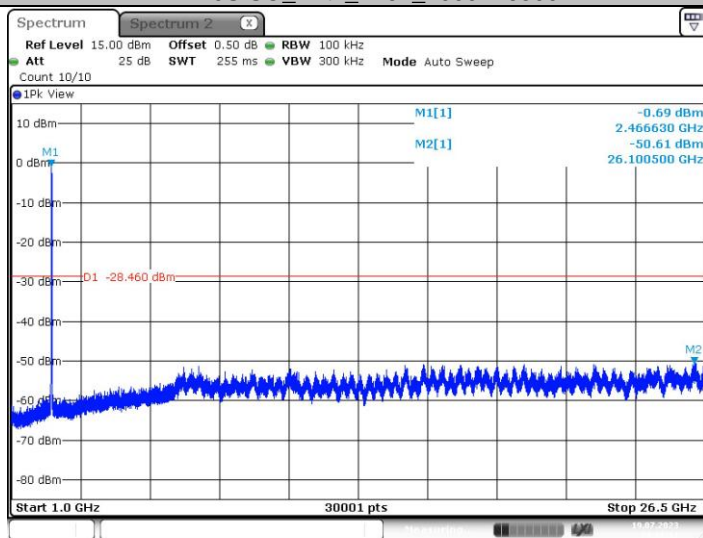
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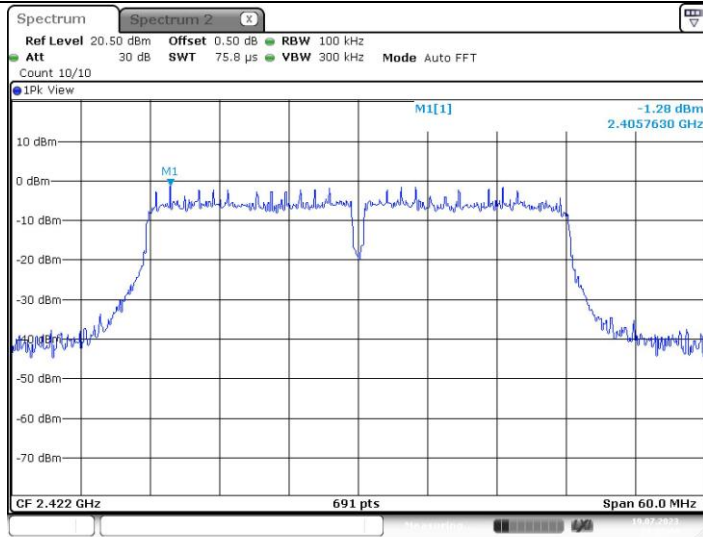
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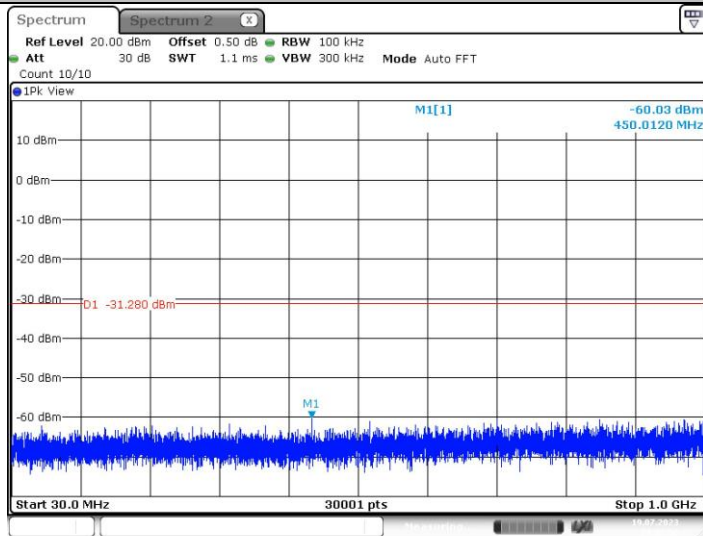


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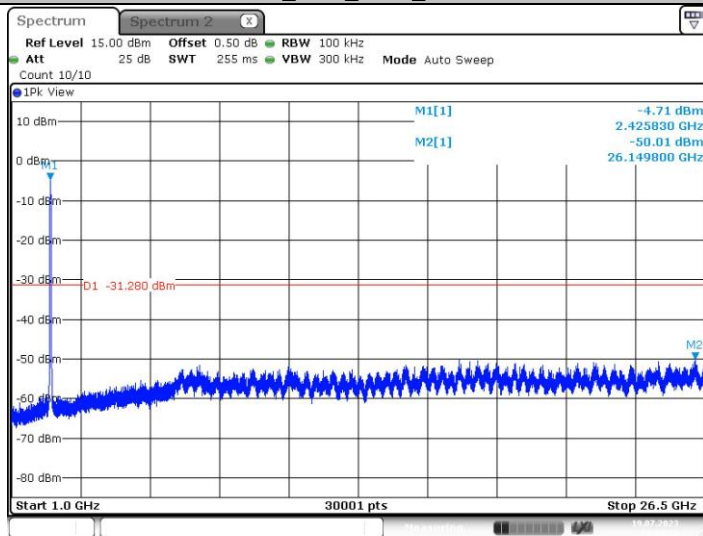
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11N40SISO_Ant1_2422_1000~26500



Date: 19.JUL.2023 14:23:13

11N40SISO_Ant1_2437_0~Reference

