

FCC & ISED Radio Test Report

**FCC ID: 2AC23-WCT5K
IC:12290A-WCT5K**

The report concerns: Original Grant

Report Reference No. : 19EFAS11026 3371
Date Sample(s) Received : 2019-10-30
Date of Tested : 2019-10-31 to 2019-11-12
Date of issue : 2019-11-13
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GuangDong, China

Applicant's name : Hui Zhou Gaoshengda Technology Co., LTD
Address : NO.75 Zhongkai Development Area, Huizhou,
Guangdong
Manufacturer : Hui Zhou Gaoshengda Technology Co., LTD

Equipment : WIFI+BT Module
Trade Mark : GSD
Model : WCT5KM2301
Ratings : I/P: DC 3.3V

Responsible Engineer :



Smile Wang

Authorized Signatory:



King Wang

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1. TEST REPORT DECLARE

| | |
|--------------|---|
| Applicant | Hui Zhou Gaoshengda Technology Co., LTD |
| Address | NO.75 Zhongkai Development Area, Huizhou, Guangdong |
| Manufacturer | Hui Zhou Gaoshengda Technology Co., LTD |
| Address | NO.75 Zhongkai Development Area, Huizhou, Guangdong |
| Factory | Hui Zhou Gaoshengda Technology Co., LTD |
| Address | NO.75 Zhongkai Development Area, Huizhou, Guangdong |
| Equipment | WIFI+BT Module |
| Model No. | WCT5KM2301 |
| Trade Mark | GSD |
| Standard | FCC Part15, Subpart E(15.407) RSS-247 Issue 2, Feb. 2017 RSS-Gen Issue 5, Apr. 2018 ANSI C63.10-2013 FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 |

We Declare:

The equipment described above is tested by DongGuan ShuoXin Electronic Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and DongGuan ShuoXin Electronic Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

2. SUMMARY OF TEST RESULTS

The EUT have been tested according to the applicable standards as referenced below:

| Standard(s) Section | | Test Item | Judgment | Remark |
|-------------------------------------|---|---|----------|---------|
| FCC | IC | | | |
| 15.207 15.407(b) | RSS-GEN 8.8 | AC Power Line Conducted Emissions | PASS | ----- |
| 15.407(b) 15.205(a) 15.209(a) | RSS-247 6.2.1.2 RSS-247 6.2.4.2 RSS-GEN 8.9 RSS-GEN 8.10 | Radiated Emissions | PASS | ----- |
| 15.407(a) 15.407(e) | RSS-247 6.2.1.1 RSS-247 6.2.2.1 RSS-247 6.2.3.1 RSS-247 6.2.4.1 RSS-GEN 6.7 | Spectrum Bandwidth | PASS | ----- |
| 15.407(a) | RSS-247 6.2.1.1 RSS-247 6.2.2.1 RSS-247 6.2.3.1 RSS-247 6.2.4.1 | Maximum Output Power | PASS | ----- |
| 15.407(a) | RSS-247 6.2.1.1 RSS-247 6.2.2.1 RSS-247 6.2.3.1 RSS-247 6.2.4.1 | Power Spectral Density | PASS | ----- |
| 15.407(g) | RSS-GEN 6.11 | Frequency Stability | PASS | ----- |
| 15.203 | RSS-247 6.4(a) | Antenna Requirements | PASS | Note(4) |
| 15.407(c) | RSS-GEN 8.8 | Automatically Discontinue Transmission | PASS | Note(2) |

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
- (3) For UNII-1 this device was functioned as a
 Access point device
 Client device
- (4) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

2.1MEASUREMENT UNCERTAINTY

| Test Item | Uncertainty |
|---|-----------------------|
| Uncertainty for Conduction emission test (9kHz-150kHz) | 3.7 dB |
| Uncertainty for Conduction emission test (150kHz-30MHz) | 3.3 dB |
| Uncertainty for Radiation Emission test (30MHz-200MHz) | 4.60 dB (Polarize: V) |
| | 4.60 dB (Polarize: H) |
| Uncertainty for Radiation Emission test (200MHz-1GHz) | 6.10 dB (Polarize: V) |
| | 5.08 dB (Polarize: H) |
| Uncertainty for Radiation Emission test (1GHz-6GHz) | 5.01 dB (Polarize: V) |
| | 5.01 dB (Polarize: H) |
| Uncertainty for Radiation Emission test (6GHz-18GHz) | 5.26 dB (Polarize: V) |
| | 5.26 dB (Polarize: H) |
| Uncertainty for Radiation Emission test (18GHz-40GHz) | 5.06 dB (Polarize: V) |
| | 5.06 dB (Polarize: H) |
| Uncertainty for radio frequency | ±0.048kHz |
| Uncertainty for conducted RF Power | ±0.32dB |

Note:

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| | | |
|---|---|--|
| Equipment | WIFI+BT Module | |
| Brand Name | GSD | |
| Test Model | WCT5KM2301 | |
| Series Model | N/A | |
| Model Difference(s) | N/A | |
| Hardware Version | V1.0 | |
| Software Version | V1.0 | |
| PowerSource | Supplied from USB. | |
| Power Rating | DC 3.3V | |
| Operation Frequency Bands | UNII-1: 5150 MHz~5250 MHz UNII-3: 5725 MHz~5850 MHz | |
| Modulation Type | OFDM | |
| Bit Rate of Transmitter | Up to 866.6Mbps | |
| Operating Mode | IEEE 802.11a: 1TX(Ant 1 or Ant 2) IEEE 802.11n (HT20): 2TX(Ant 1+Ant 2) IEEE 802.11n (HT40): 2TX(Ant 1+Ant 2) IEEE 802.11ac (VHT20): 2TX(Ant 1+Ant 2) IEEE 802.11ac (VHT40): 2TX(Ant 1+Ant 2) IEEE 802.11ac (VHT80): 2TX(Ant 1+Ant 2) | |
| Antenna Information | Antenna Type:PCB | Maximum Peak Gain: 3dBi(Ant 1) 3dBi(Ant 2) |
| Maximum Output Power for UNII-1 For FCC | IEEE 802.11a: 15.31dBm (0.0340W) IEEE 802.11n (HT20): 16.34dBm (0.0412 W) IEEE 802.11n (HT40): 16.48dBm (0.0409 W) IEEE 802.11ac (VHT20): 17.09dBm (0.0490 W) IEEE 802.11ac (VHT40): 16.78dBm (0.0437 W) IEEE 802.11ac (VHT80): 16.61dBm (0.0388 W) | |
| Maximum EIRP Output Power for UNII-1 For IC | IEEE 802.11a: 18.31dBm (0.0678W) IEEE 802.11n (HT20): 19.34dBm (0.0859 W) IEEE 802.11n (HT40): 19.48dBm (0.0887 W) IEEE 802.11ac (VHT20): 20.09dBm (0.1021 W) IEEE 802.11ac (VHT40): 19.78dBm (0.0951 W) IEEE 802.11ac (VHT80): 19.61dBm (0.0914 W) | |
| Maximum Output Power for UNII-3 | IEEE 802.11a: 16.20dBm (0.0417 W) IEEE 802.11n (HT20): 18.52dBm (0.0681 W) IEEE 802.11n (HT40): 18.38dBm (0.0633 W) IEEE 802.11ac (VHT20): 18.55dBm (0.0685 W) IEEE 802.11ac (VHT40): 18.28dBm (0.0618 W) IEEE 802.11ac (VHT80): 17.89dBm (0.0522 W) | |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

| IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20) | | IEEE 802.11n (HT40) IEEE 802.11ac (VHT40) | | IEEE 802.11ac (VHT80) | |
|--|-----------------|--|-----------------|-----------------------|-----------------|
| UNII-1 | | UNII-1 | | UNII-1 | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 36 | 5180 | 38 | 5190 | 42 | 5210 |
| 40 | 5200 | 46 | 5230 | | |
| 44 | 5220 | | | | |
| 48 | 5240 | | | | |

| IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20) | | IEEE 802.11n (HT40) IEEE 802.11ac (VHT40) | | IEEE 802.11ac (VHT80) | |
|--|-----------------|--|-----------------|-----------------------|-----------------|
| UNII-3 | | UNII-3 | | UNII-3 | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 149 | 5745 | 151 | 5755 | 155 | 5775 |
| 153 | 5765 | 159 | 5795 | | |
| 157 | 5785 | | | | |
| 161 | 5805 | | | | |
| 165 | 5825 | | | | |

3.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

| Pretest Mode | Description |
|--------------|---|
| Mode 1 | TX A Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N (HT40) Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC (VHT40) Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC (VHT80) Mode / CH42 (UNII-1) |
| Mode 7 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 8 | TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 9 | TX N (HT40) Mode / CH151,CH159 (UNII-3) |
| Mode 10 | TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11 | TX AC (VHT40) Mode / CH151,CH159 (UNII-3) |
| Mode 12 | TX AC (VHT80) Mode / CH155 (UNII-3) |
| Mode 13 | TX AC(VHT20) Mode / CH165 (UNII-3) |

Following mode(s) as (were) found to be the worst case(s) and selected for the final test.

| AC power line conducted emissions test | |
|---|------------------------------------|
| Final Test Mode | Description |
| Mode 13 | TX AC(VHT20) Mode / CH165 (UNII-3) |

| Radiated emissions test - Below 1GHz | |
|---|------------------------------------|
| Final Test Mode | Description |
| Mode 13 | TX AC(VHT20) Mode / CH165 (UNII-3) |

| Radiated emissions test - Above 1GHz | |
|---|---|
| Final Test Mode | Description |
| Mode 1 | TX A Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N (HT40) Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC (VHT40) Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC (VHT80) Mode / CH42 (UNII-1) |
| Mode 7 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 8 | TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 9 | TX N (HT40) Mode / CH151,CH159 (UNII-3) |
| Mode 10 | TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11 | TX AC (VHT40) Mode / CH151,CH159 (UNII-3) |
| Mode 12 | TX AC (VHT80) Mode / CH155 (UNII-3) |

| Conducted test | |
|-----------------------|---|
| Final Test Mode | Description |
| Mode 1 | TX A Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N (HT40) Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC (VHT40) Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC (VHT80) Mode / CH42 (UNII-1) |
| Mode 7 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 8 | TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 9 | TX N (HT40) Mode / CH151,CH159 (UNII-3) |
| Mode 10 | TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11 | TX AC (VHT40) Mode / CH151,CH159 (UNII-3) |
| Mode 12 | TX AC (VHT80) Mode / CH155 (UNII-3) |

Note:

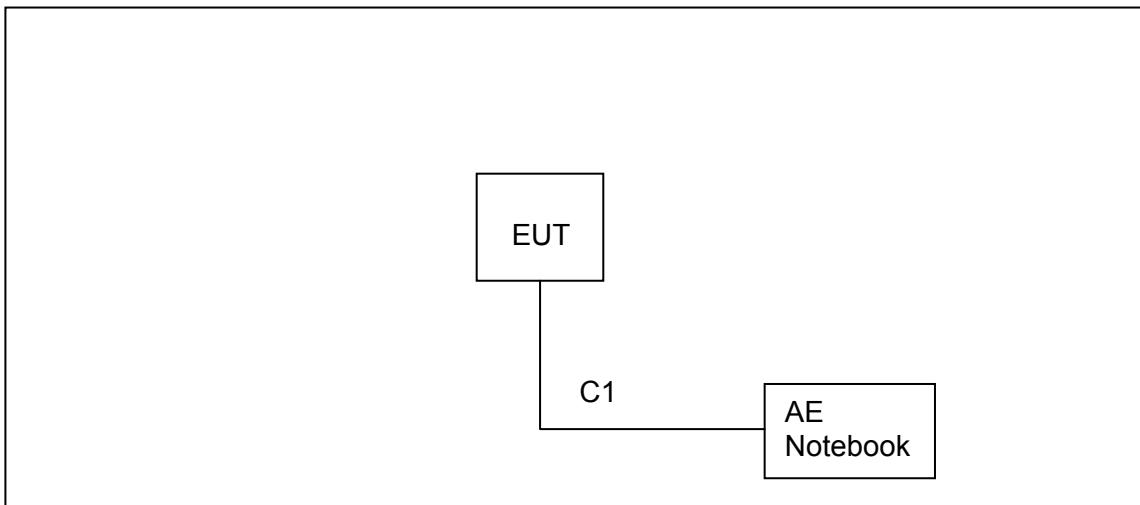
- (1) For radiated emission below 1 GHz and AC power line conducted emissions test, the IEEE 802.11AC20channel 165is found to be the worst case and recorded.

3.3 PARAMETERS OF TEST SOFTWARE

| UNII-1 | | | |
|-----------------------|--------------------|------|------|
| Test Software | MT7668 QA 0.0.1.92 | | |
| Test Frequency (MHz) | 5180 | 5200 | 5240 |
| IEEE 802.11a | 1F | 1F | 1F |
| IEEE 802.11n (HT20) | 1F | 1F | 1E |
| IEEE 802.11ac (VHT20) | 1F | 1F | 1F |
| Test Frequency (MHz) | 5190 | 5230 | |
| IEEE 802.11n (HT40) | 22 | 22 | |
| IEEE 802.11ac (VHT40) | 1E | 1E | |
| Test Frequency (MHz) | 5210 | | |
| IEEE 802.11ac (VHT80) | 1F | | |

| UNII-3 | | | |
|-----------------------|--------------------|------|------|
| Test Software | MT7668 QA 0.0.1.92 | | |
| Test Frequency (MHz) | 5745 | 5785 | 5825 |
| IEEE 802.11a | 1A | 1A | 1A |
| IEEE 802.11n (HT20) | 1A | 1A | 1A |
| IEEE 802.11ac (VHT20) | 1A | 1A | 1A |
| Test Frequency (MHz) | 5755 | 5795 | |
| IEEE 802.11n (HT40) | 1A | 1A | |
| IEEE 802.11ac (VHT40) | 1A | 1A | |
| Test Frequency (MHz) | 5775 | | |
| IEEE 802.11ac (VHT80) | 1A | | |

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 SUPPORT UNITS

| Item | Equipment | Brand | Model No. | Series No. |
|------|-----------|-------|-----------|-------------|
| AE | Notebook | ACER | MS2367 | 32807810766 |

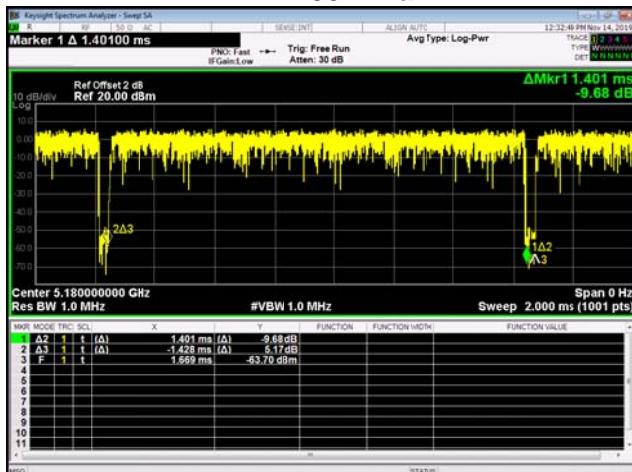
| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|------------|---------------|--------------|--------|
| C1 | DC Cable | NO | NO | 1m |

3.6 TEST ENVIRONMENT CONDITIONS

| Test Item | Temperature | Humidity | Test Voltage |
|-----------------------------------|--------------------|----------|-----------------|
| AC Power Line Conducted Emissions | 25°C | 53% | DC 5V |
| Radiated Emissions-9K-30MHz | 25°C | 60% | DC 5V |
| Radiated Emissions-30 MHz to 1GHz | 24°C | 68% | DC 5V |
| Radiated Emissions-Above 1000 MHz | 24°C | 68% | DC 5V |
| Spectrum Bandwidth | 25.3°C | 44.8% | DC 5V |
| Maximum Output Power | 25.3°C | 44.8% | DC 5V |
| Power Spectral Density | 25.3°C | 44.8% | DC 5V |
| Frequency Stability | Normal, Extreme | 44.8% | Normal, Extreme |

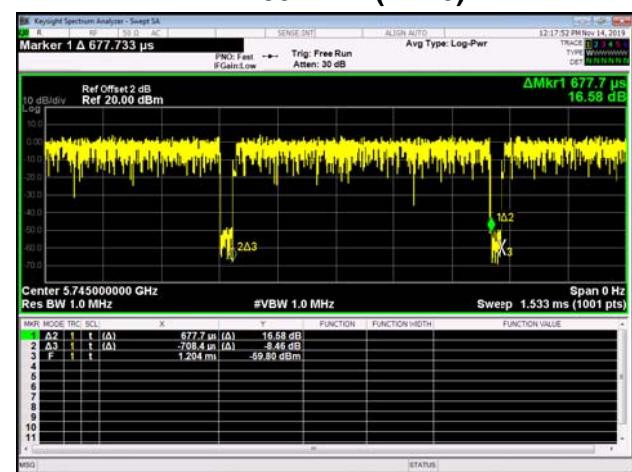
3.7 DUTY CYCLE

IEEE 802.11a



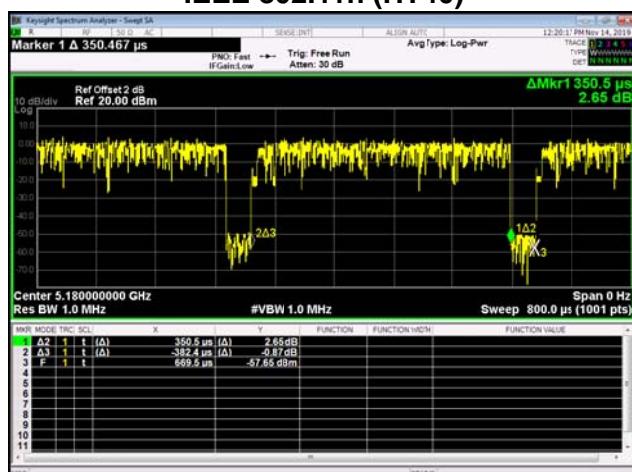
Duty cycle = 1.401ms / 1.428ms = 98.109%
Duty Factor = 10 log(1 / Duty cycle) = 0.00

IEEE 802.11n (HT20)



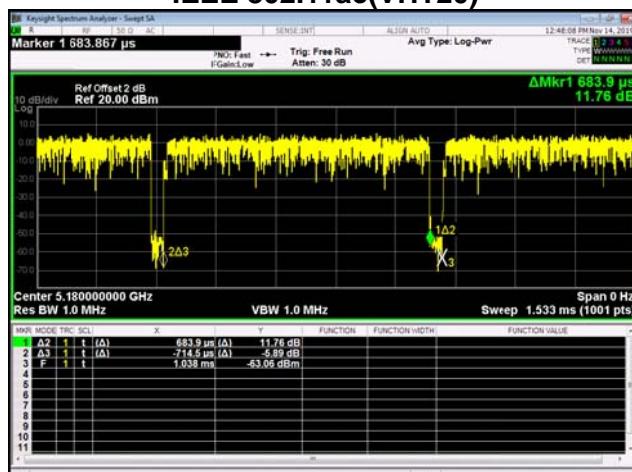
Duty cycle = 0.678 ms / 0.708ms = 95.763%
Duty Factor = 10 log(1 / Duty cycle) = 0.19

IEEE 802.11n (HT40)

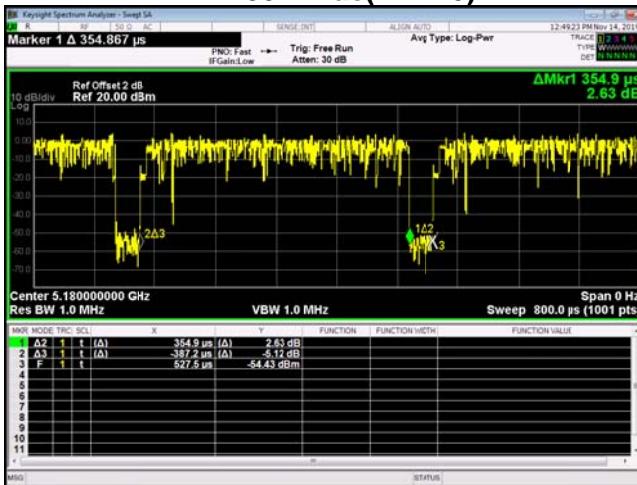


Duty cycle = 0.351ms / 0.382ms = 91.885%
Duty Factor = 10 log(1 / Duty cycle) = 0.37

IEEE 802.11ac(VHT20)



Duty cycle = 0.684ms / 0.715ms = 95.664%
Duty Factor = 10 log(1 / Duty cycle) = 0.19

IEEE 802.11ac(VHT40)

Duty cycle = 0.355ms / 0.387ms = 91.731%

Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.37$ If duty cycle is $\geq 98\%$, duty factor is not required.If duty cycle is $< 98\%$, duty factor shall be considered, the Duty Factor = $10 \log(1/\text{Duty cycle})$, the output power= measured power + duty factor, the result of duty factor as below table:

| IEEE 802.11a | IEEE 802.11n (HT20) | IEEE 802.11n (HT40) |
|-----------------------|-----------------------|-----------------------|
| 0.00 | 0.19 | 0.37 |
| IEEE 802.11ac (VHT20) | IEEE 802.11ac (VHT40) | IEEE 802.11ac (VHT80) |
| 0.19 | 0.37 | 0.71 |

NOTE:

For IEEE 802.11a, IEEE 802.11n (HT20) and IEEE 802.11ac (VHT20):

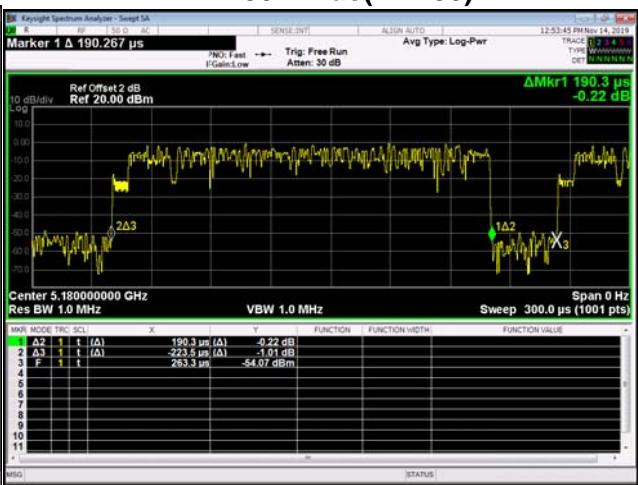
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

For IEEE 802.11n (HT40) and IEEE 802.11ac (VHT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).

For IEEE 802.11ac (VHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle < 98%).

IEEE 802.11ac(VHT80)

Duty cycle = 0.190ms / 0.224ms = 84.821%

Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.71$

4. AC POWER LINE CONDUCTED EMISSIONS TEST

4.1 LIMIT

| Frequency (MHz) | Limit (dB μ V) | |
|--------------------|--------------------|-----------|
| | Quasi-peak | Average |
| 0.15 - 0.50 | 66 to 56* | 56 to 46* |
| 0.50 - 5.0 | 56 | 46 |
| 5.0 - 30.0 | 60 | 50 |

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

| Receiver Parameter | Setting |
|--------------------|----------|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 KHz |

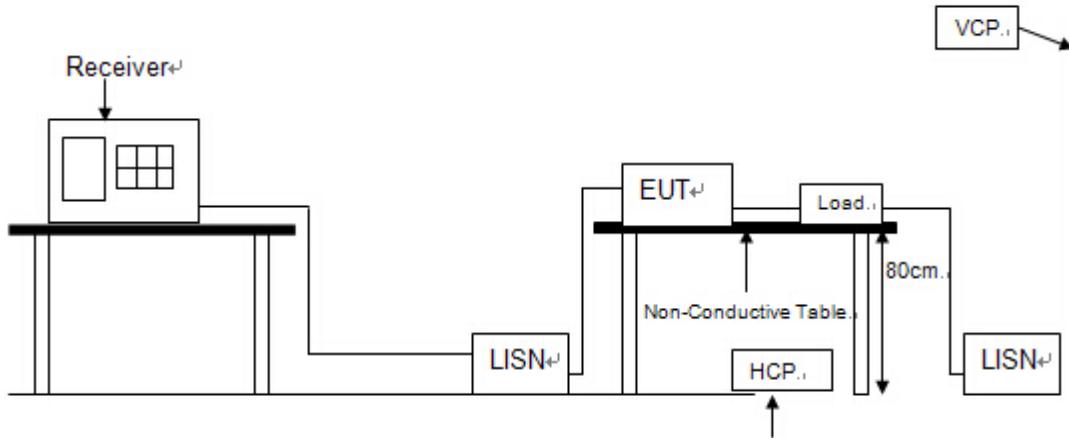
4.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.

4.3 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|----------------------|--------------------|-------------------------|-----------------|------------------|
| 1 | Pulse Limiter | MTS-system technik | MTS-IMP-136 | 261115-010-0024 | 12/16/2019 |
| 2 | EMI Test Receiver | R&S | ESCI | 101308 | 12/16/2019 |
| 3 | LISN | AFJ | LS16 | 16011103219 | 12/16/2019 |
| 4 | LISN | Schwarzbeck | NSLK 8127 | 8127-432 | 12/16/2019 |
| 5 | Measurement Software | Farad | EZ-EMC (Ver.ATT-03A) | N/A | N/A |

4.4 TESTSETUP



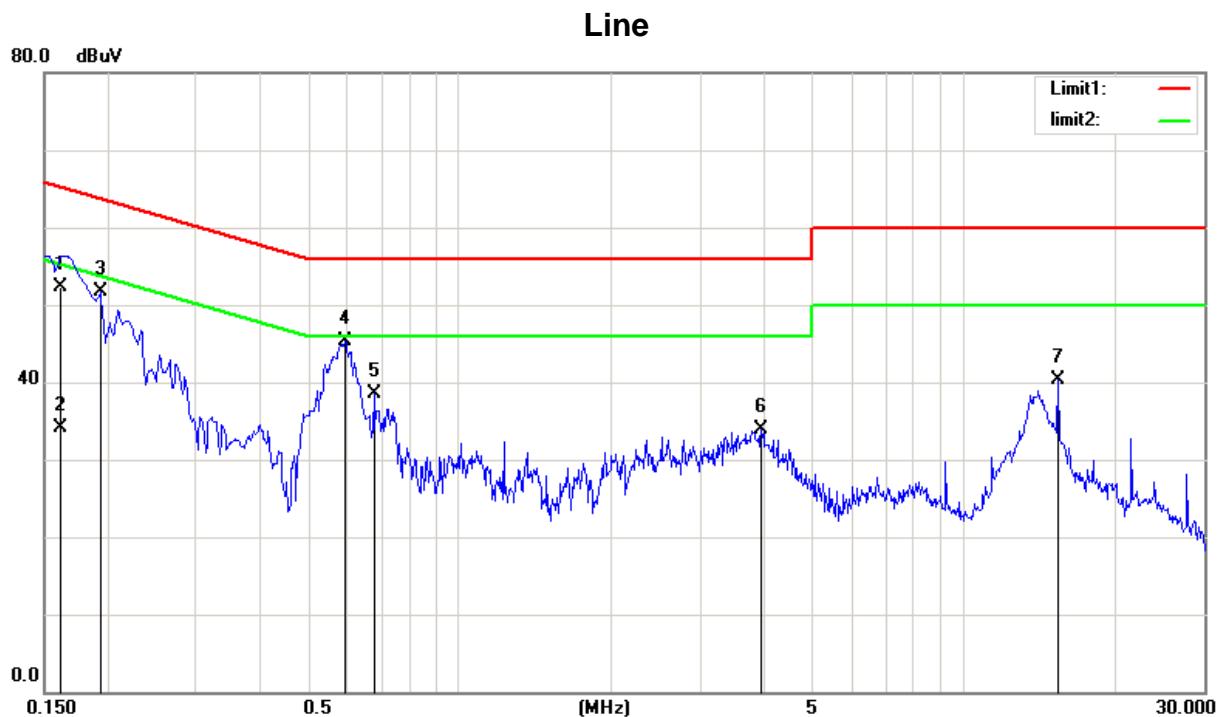
4.5 EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT was programmed to be in continuously transmitting/TX mode.

4.6 TEST RESULTS

Test Mode: TX AC(VHT20) Mode / CH165 (UNII-3)

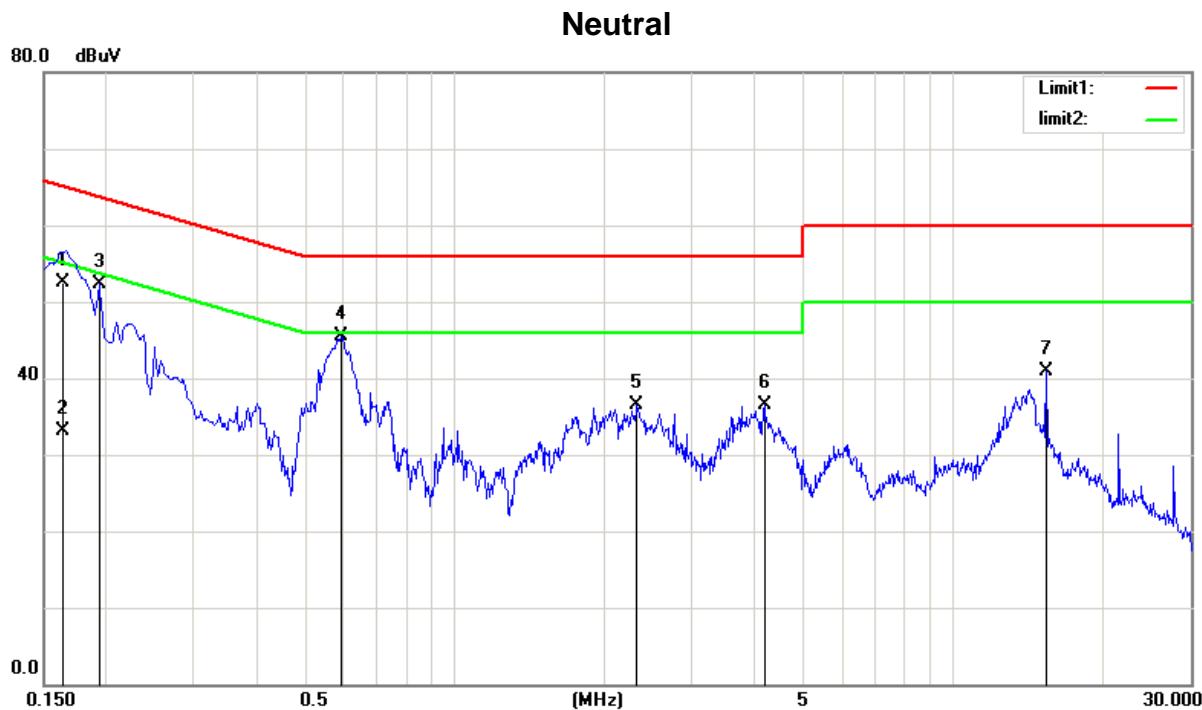


| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-----------------------|------------------|-----------------|----------------|--------|
| 1 | 0.1615 | 40.86 | 11.39 | 52.25 | 65.38 | -13.13 | QP |
| 2 | 0.1615 | 22.63 | 11.39 | 34.02 | 55.38 | -21.36 | AVG |
| 3 | 0.1940 | 40.45 | 11.17 | 51.62 | 63.86 | -12.24 | peak |
| 4 | 0.5940 | 35.10 | 10.15 | 45.25 | 56.00 | -10.75 | peak |
| 5 | 0.6780 | 28.45 | 10.13 | 38.58 | 56.00 | -17.42 | peak |
| 6 | 3.9660 | 23.85 | 10.14 | 33.99 | 56.00 | -22.01 | peak |
| 7 | 15.4140 | 30.14 | 10.17 | 40.31 | 60.00 | -19.69 | peak |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | |
|------------|------------------------------------|
| Test Mode: | TX AC(VHT20) Mode / CH165 (UNII-3) |
|------------|------------------------------------|



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-----------------------|------------------|-----------------|----------------|--------|
| 1 | 0.1632 | 41.15 | 11.38 | 52.53 | 65.29 | -12.76 | QP |
| 2 | 0.1632 | 21.74 | 11.38 | 33.12 | 55.29 | -22.17 | AVG |
| 3 | 0.1940 | 41.20 | 11.17 | 52.37 | 63.86 | -11.49 | peak |
| 4 | 0.5940 | 35.26 | 10.15 | 45.41 | 56.00 | -10.59 | peak |
| 5 | 2.3260 | 26.33 | 10.12 | 36.45 | 56.00 | -19.55 | peak |
| 6 | 4.1820 | 26.37 | 10.13 | 36.50 | 56.00 | -19.50 | peak |
| 7 | 15.4180 | 30.67 | 10.17 | 40.84 | 60.00 | -19.16 | peak |

Remarks:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

5. RADIATED EMISSIONS TEST

5.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a)&RSS-Gen 8.10, then the 15.209(a)&RSS-Gen 8.9 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000MHz)

| 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 |
| Above 960 | 500 | 3 |

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

| Frequency (MHz) | EIRP Limit (dBm/MHz) | Equivalent Field Strength at 3m (dB μ V/m) |
|--------------------|-------------------------|---|
| 5150-5250 | -27 | 68.3 |
| 5250-5350 | -27 | 68.3 |
| 5470-5725 | -27 | 68.3 |
| | -27 Note(2) | 68.3 |
| 5725-5850 | 10 Note(2) | 105.3 |
| | 15.6 Note(2) | 110.9 |
| | 27 Note(2) | 122.3 |

Note:

- (1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E = \frac{1000000\sqrt{30P}}{3}$ μ V/m, where P is the eirp (Watts)
- (2) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.
- (3) Radiation larger than 26.5GHz is background, so the following data only measures the maximum 26.5GHz
- (4) Duty Cycle compensation less than 98% has been compensated in the test software prior to the implementation of the test

5.2 TEST PROCEDURE

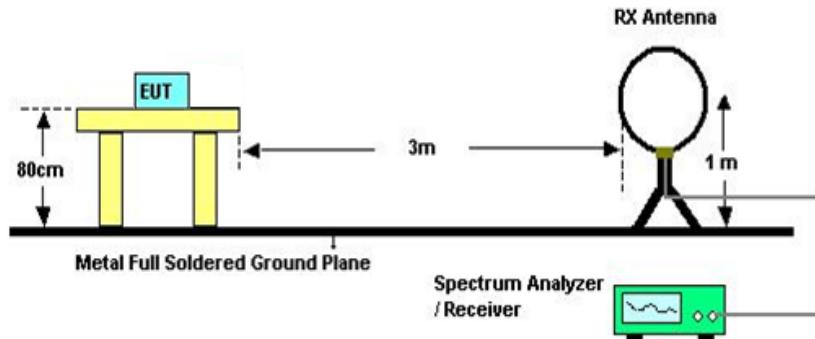
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. The test result is calculated as the following:
 - (1) Result = Reading + Correct Factor
 - (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
 - (3) Margin = Result - Limit

5.3 MEASUREMENT INSTRUMENTS LIST

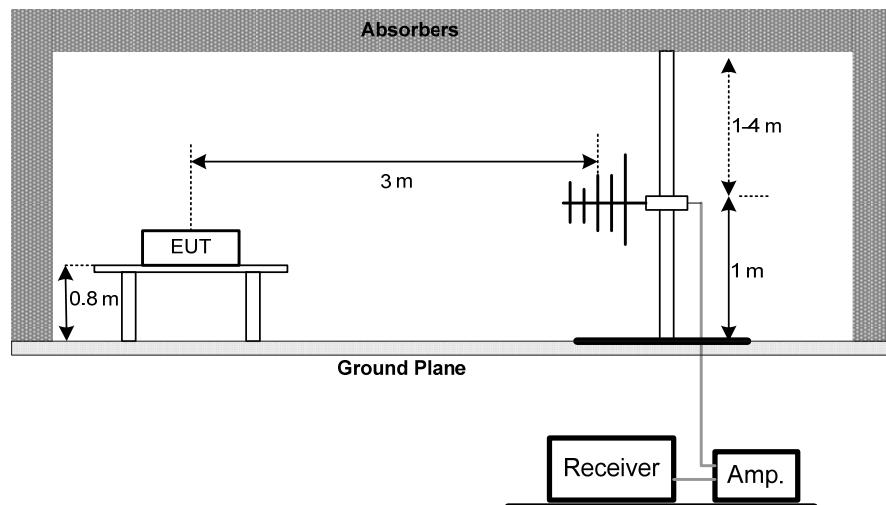
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|----------------------------|--------------|-----------------------------|--------------|------------------|
| 1 | EMI Test Receiver | R&S | ESCI | 101307 | 2019/12/16 |
| 2 | Spectrum Analyzer | Agilent | E4407B | US40240708 | 11/20/2019 |
| 3 | Spectrum analyzer | R&S | FSU | 1166.1660.26 | 2019/12/16 |
| 4 | Loop antenna | TESEQ | HLA6120 | 20129 | 2019/12/16 |
| 5 | Trilog Broadband Antenna | Schwarzbeck | VULB9163 | 9163-462 | 2019/12/16 |
| 6 | Double Ridged Horn Antenna | Schwarzbeck | BBHA9120D | 9120D 1065 | 2019/12/16 |
| 7 | Horn Antenna | Schwarzbeck | BBHA 9170 | 9170 1248 | 2019/12/16 |
| 8 | Pre-amplifier | A.H. | PAM-1840VH | 562 | 2019/12/16 |
| 9 | Pre-amplifier | R&S | AFS33-18002 650-30-8P-44 | SEL0080 | 2019/12/16 |
| 10 | Pre-Amplifier | HP | 8449B | 3274A06298 | 2019/12/16 |
| 11 | RF Cable | R&S | R01 | 10403 | 2019/12/16 |
| 12 | RF Cable | R&S | R02 | 10512 | 2019/12/16 |

5.4 TESTSETUP

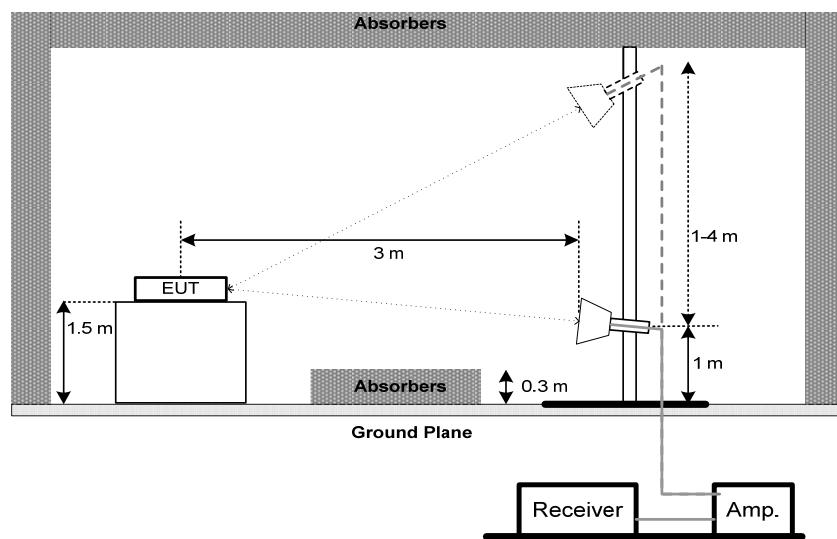
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS - 9 KHZ to 30MHZ

| | |
|------------|------------------------------------|
| Test Mode: | TX AC(VHT20) Mode / CH165 (UNII-3) |
|------------|------------------------------------|

| Freq. (MHz) | Reading (dBuV/m) | Limit (dBuV/m) | Margin (dB) | State |
|----------------|---------------------|-------------------|----------------|-------|
| -- | -- | -- | -- | P |
| -- | -- | -- | -- | P |

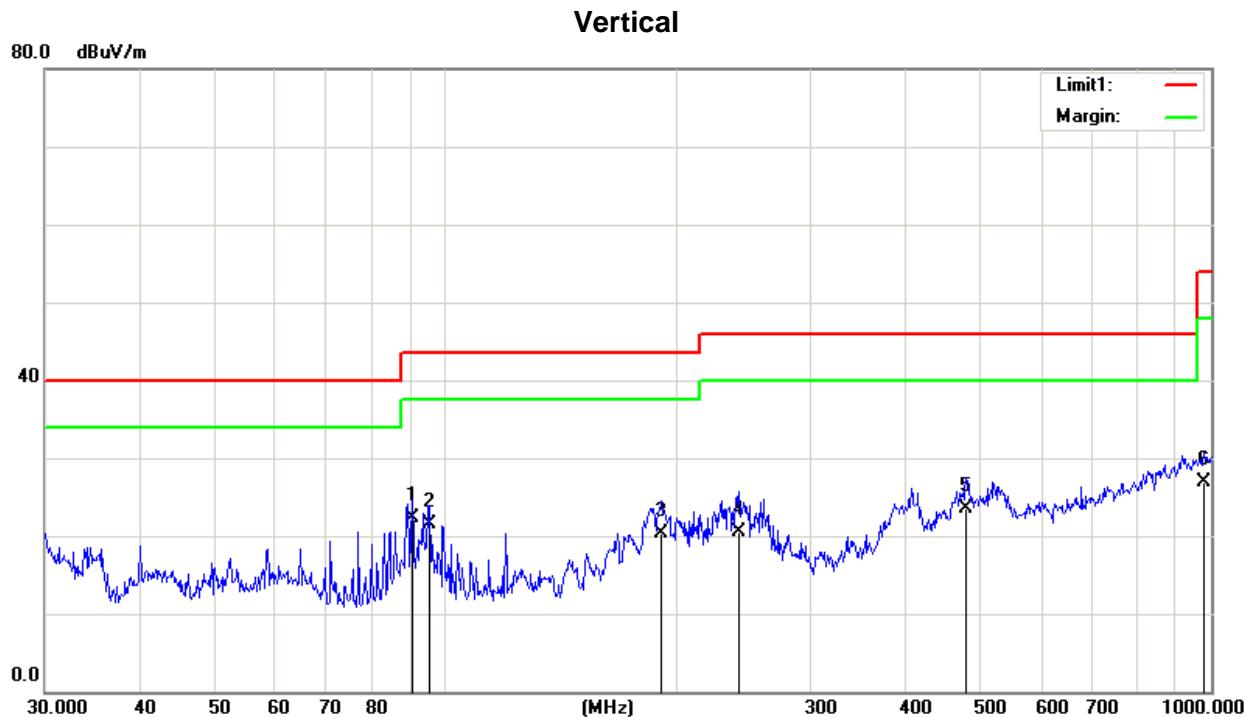
Note:

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

Distance extrapolation factor = $20 \log (\text{specific distance}/\text{test distance})$ (dB);
Limit line = specific limits(dBuv) + distance extrapolation factor

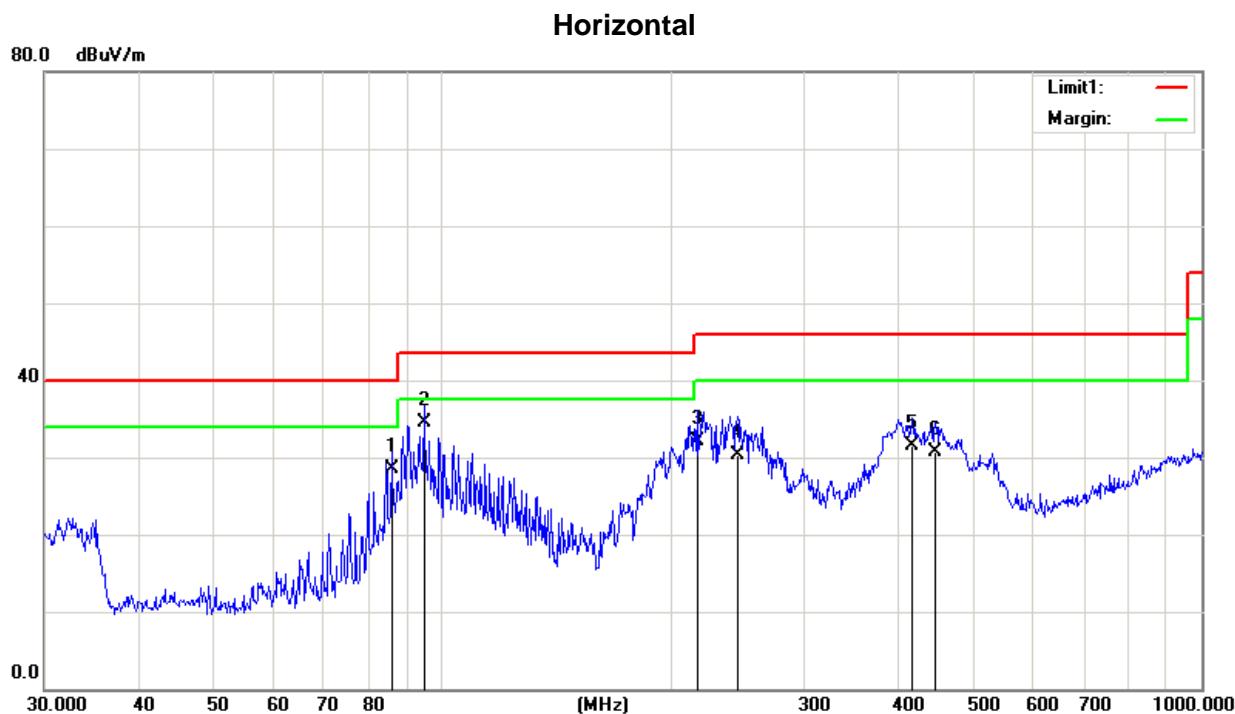
5.7 TEST RESULTS - 30 MHz TO 1000 MHz

Test Mode: TX AC(VHT20) Mode / CH165 (UNII-3)



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 90.5374 | 37.43 | -15.11 | 22.32 | 43.50 | -21.18 | QP |
| 2 | 95.4270 | 36.33 | -14.77 | 21.56 | 43.50 | -21.94 | QP |
| 3 | 191.7450 | 31.83 | -11.49 | 20.34 | 43.50 | -23.16 | QP |
| 4 | 241.6762 | 28.74 | -8.18 | 20.56 | 46.00 | -25.44 | QP |
| 5 | 478.8455 | 29.07 | -5.61 | 23.46 | 46.00 | -22.54 | QP |
| 6 | 979.1803 | 22.66 | 4.31 | 26.97 | 54.00 | -27.03 | QP |

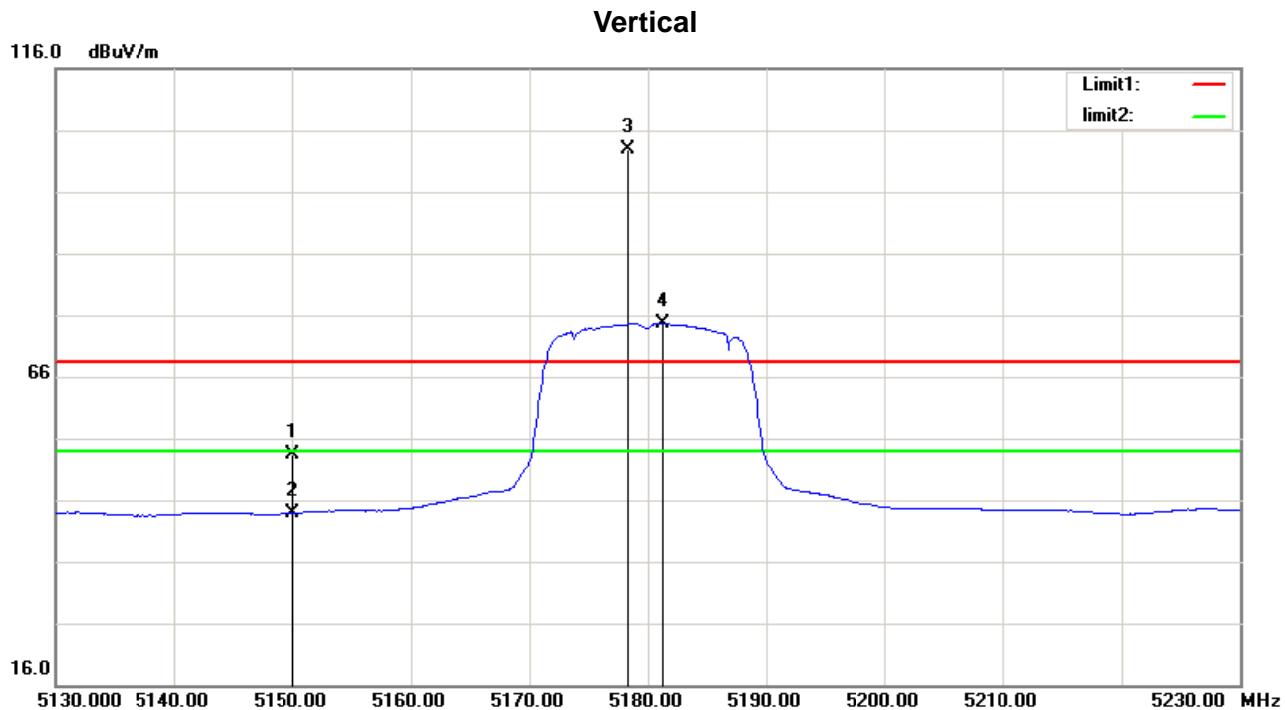
| | |
|------------|------------------------------------|
| Test Mode: | TX AC(VHT20) Mode / CH165 (UNII-3) |
|------------|------------------------------------|



| No. | Frequency (MHz) | Reading (dB _{uV/m}) | Correct Factor(dB/m) | Result (dB _{uV/m}) | Limit (dB _{uV/m}) | Margin (dB) | Remark |
|-----|--------------------|----------------------------------|-------------------------|---------------------------------|--------------------------------|----------------|--------|
| 1 | 85.8983 | 45.78 | -17.30 | 28.48 | 40.00 | -11.52 | QP |
| 2 | 94.7600 | 51.33 | -16.82 | 34.51 | 43.50 | -8.99 | QP |
| 3 | 216.7828 | 41.21 | -9.20 | 32.01 | 46.00 | -13.99 | QP |
| 4 | 245.0900 | 36.35 | -6.13 | 30.22 | 46.00 | -15.78 | QP |
| 5 | 416.1791 | 38.65 | -7.24 | 31.41 | 46.00 | -14.59 | QP |
| 6 | 446.4141 | 37.06 | -6.35 | 30.71 | 46.00 | -15.29 | QP |

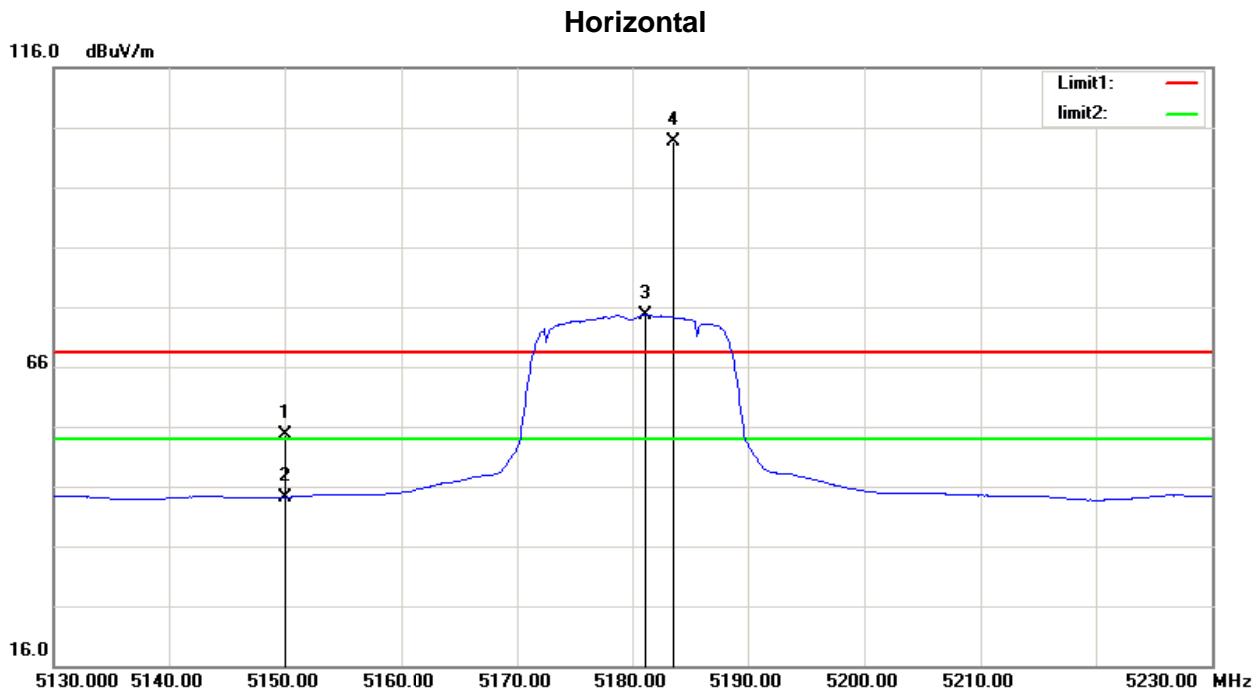
5.8 TEST RESULTS - ABOVE1000 MHz(BAND EDGE)

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX A Mode 5180 MHz |



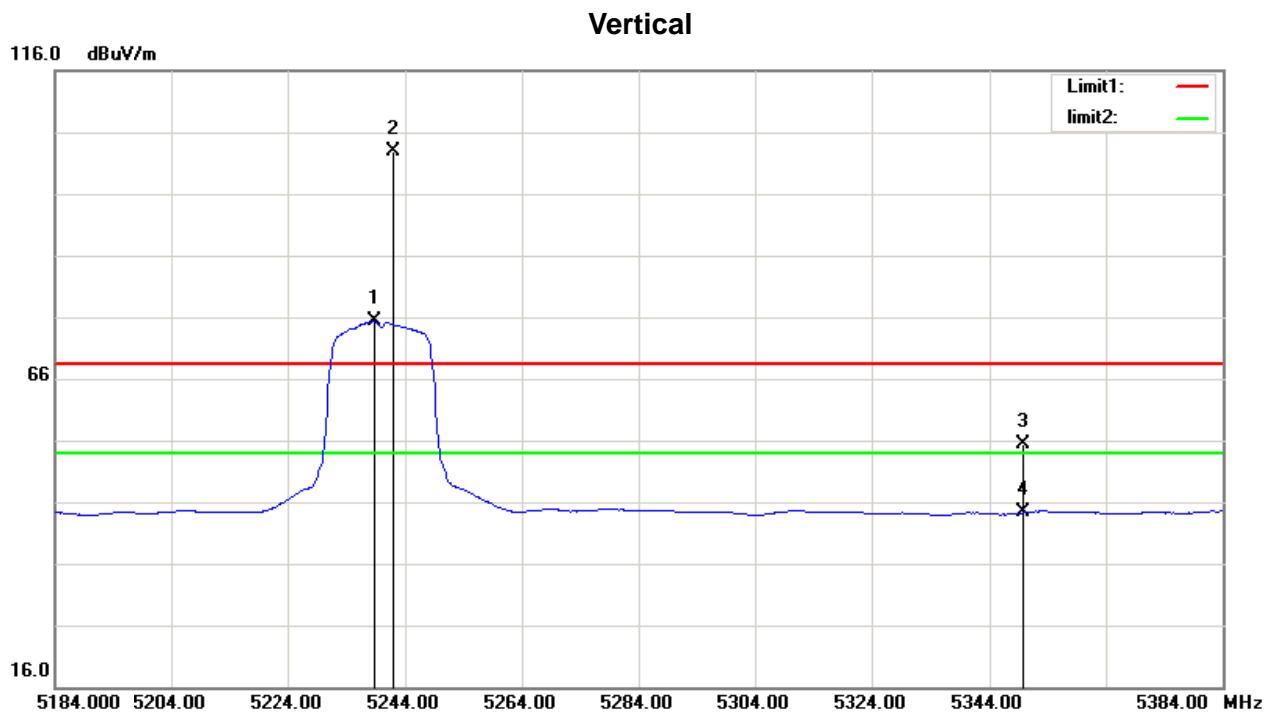
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 45.31 | 8.10 | 53.41 | 68.30 | -14.89 | peak |
| 2 | 5150.000 | 35.72 | 8.10 | 43.82 | 54.00 | -10.18 | AVG |
| 3 | 5178.397 | 94.68 | 8.24 | 102.92 | / | / | peak |
| 4 | 5181.202 | 66.51 | 8.24 | 74.75 | / | / | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX A Mode 5180 MHz |



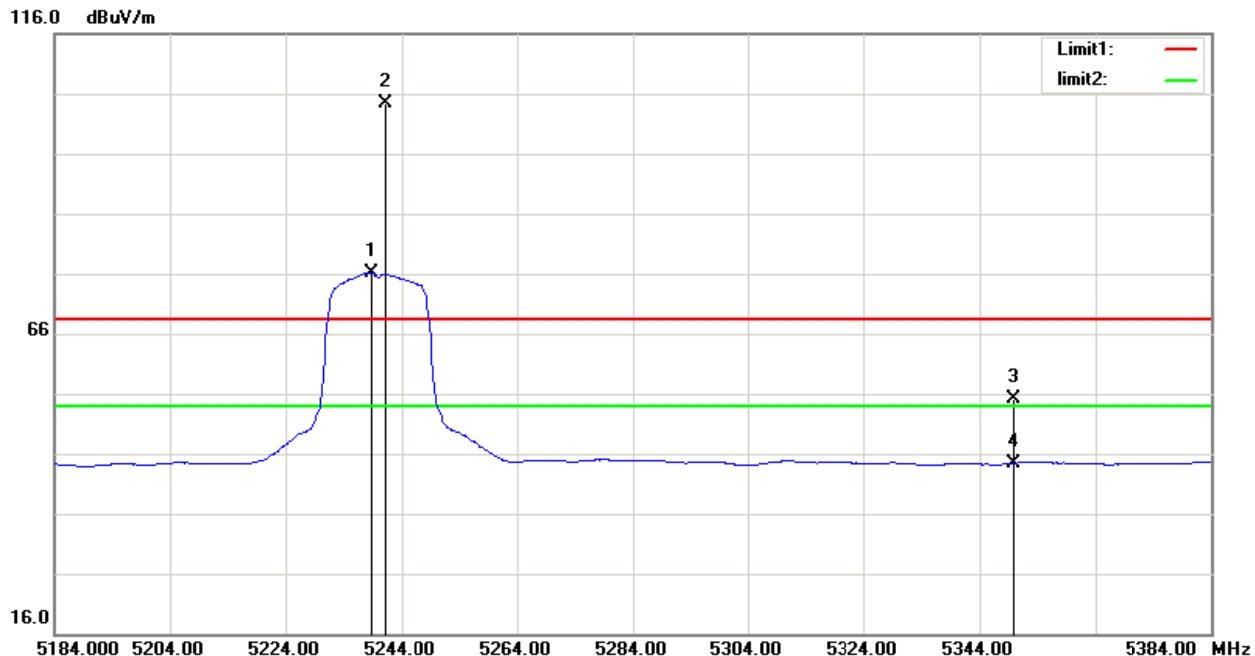
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 46.53 | 8.10 | 54.63 | 68.30 | -13.67 | peak |
| 2 | 5150.000 | 36.11 | 8.10 | 44.21 | 54.00 | -9.79 | AVG |
| 3 | 5181.102 | 66.45 | 8.24 | 74.69 | / | / | AVG |
| 4 | 5183.507 | 95.28 | 8.26 | 103.54 | / | / | peak |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX A Mode 5240 MHz |



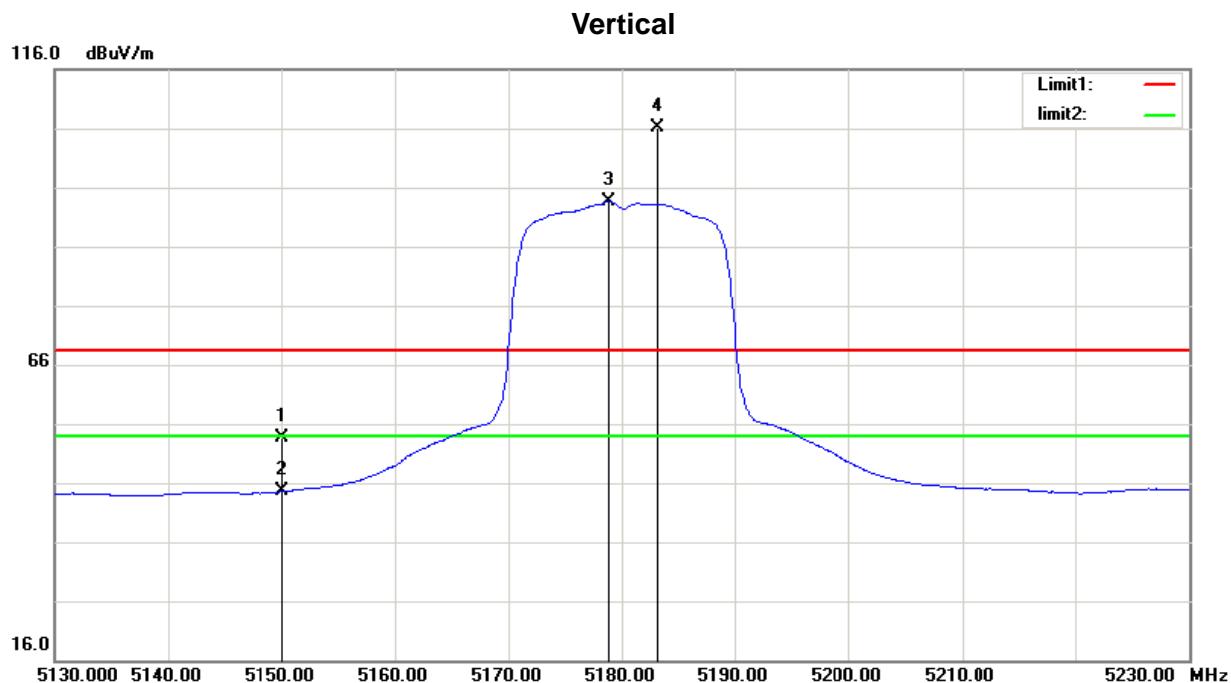
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5238.709 | 66.79 | 8.51 | 75.30 | / | / | AVG |
| 2 | 5241.916 | 94.42 | 8.53 | 102.95 | / | / | peak |
| 3 | 5350.000 | 46.45 | 9.03 | 55.48 | 68.30 | -12.82 | peak |
| 4 | 5350.000 | 35.26 | 9.03 | 44.29 | 54.00 | -9.71 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX A Mode 5240 MHz |

Horizontal

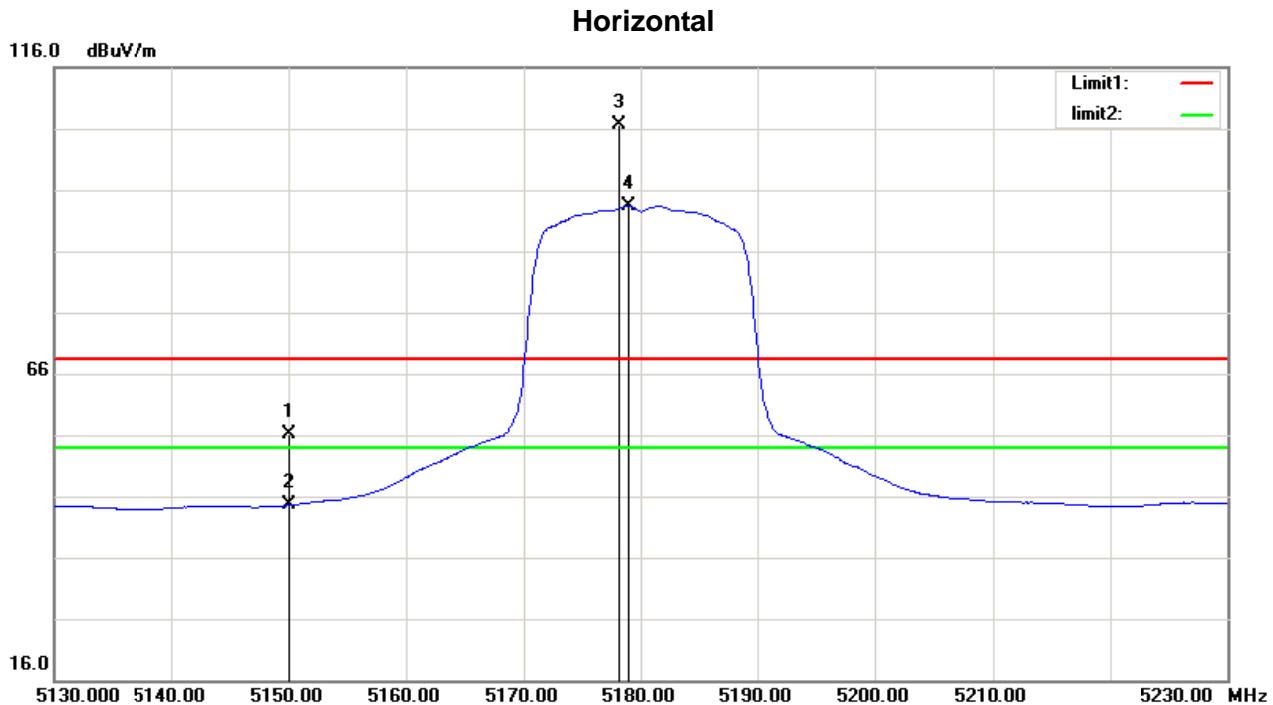
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5238.709 | 67.71 | 8.51 | 76.22 | / | / | AVG |
| 2 | 5241.315 | 95.84 | 8.53 | 104.37 | / | / | peak |
| 3 | 5350.000 | 45.99 | 9.03 | 55.02 | 68.30 | -13.28 | peak |
| 4 | 5350.000 | 35.45 | 9.03 | 44.48 | 54.00 | -9.52 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT20) Mode 5180 MHz |



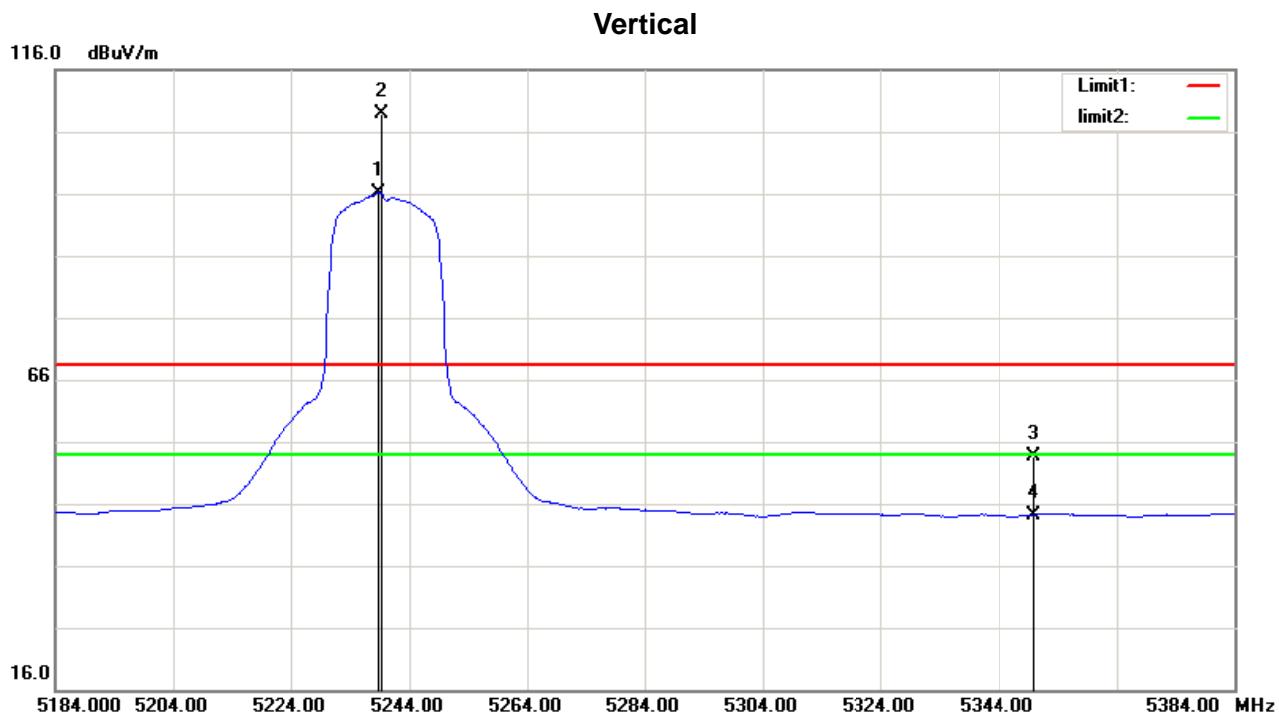
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 45.52 | 8.10 | 53.62 | 68.30 | -14.68 | peak |
| 2 | 5150.000 | 36.42 | 8.10 | 44.52 | 54.00 | -9.48 | AVG |
| 3 | 5178.898 | 85.42 | 8.24 | 93.66 | / | / | AVG |
| 4 | 5183.106 | 97.83 | 8.26 | 106.09 | / | / | peak |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT20) Mode 5180 MHz |



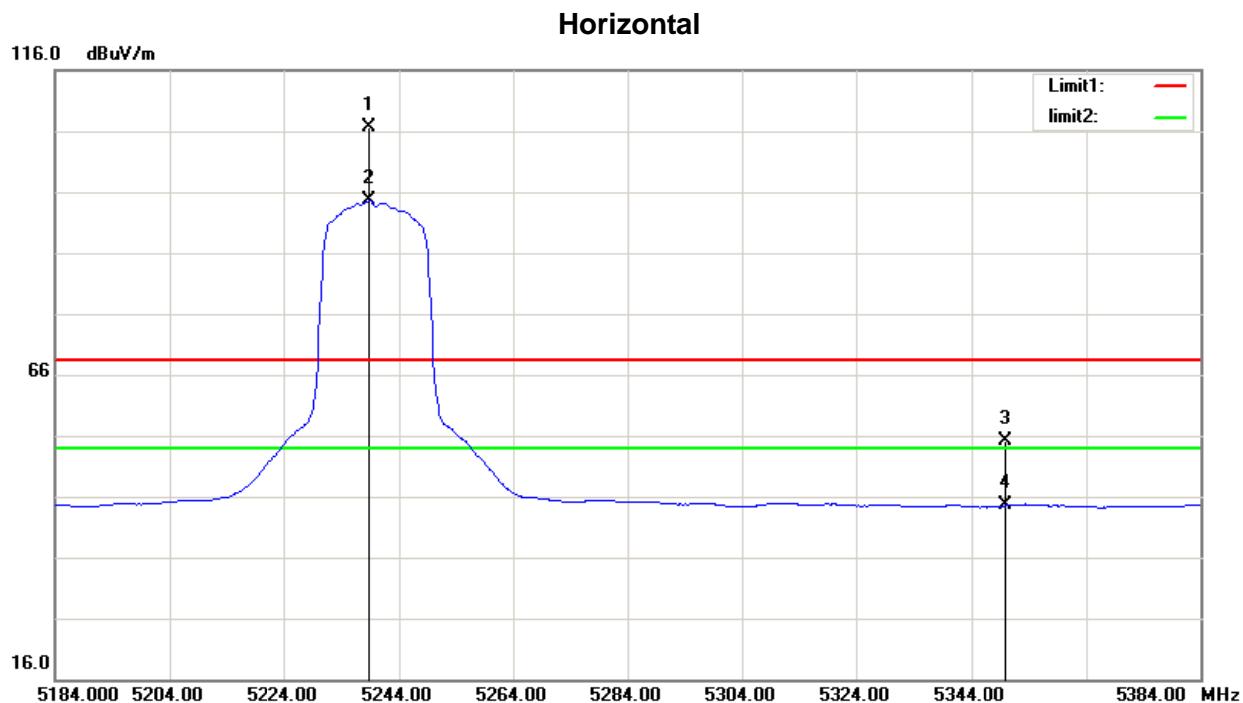
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 48.11 | 8.10 | 56.21 | 68.30 | -12.09 | peak |
| 2 | 5150.000 | 36.45 | 8.10 | 44.55 | 54.00 | -9.45 | AVG |
| 3 | 5178.196 | 98.32 | 8.24 | 106.56 | / | / | peak |
| 4 | 5178.998 | 85.11 | 8.24 | 93.35 | / | / | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT20) Mode 5240 MHz |



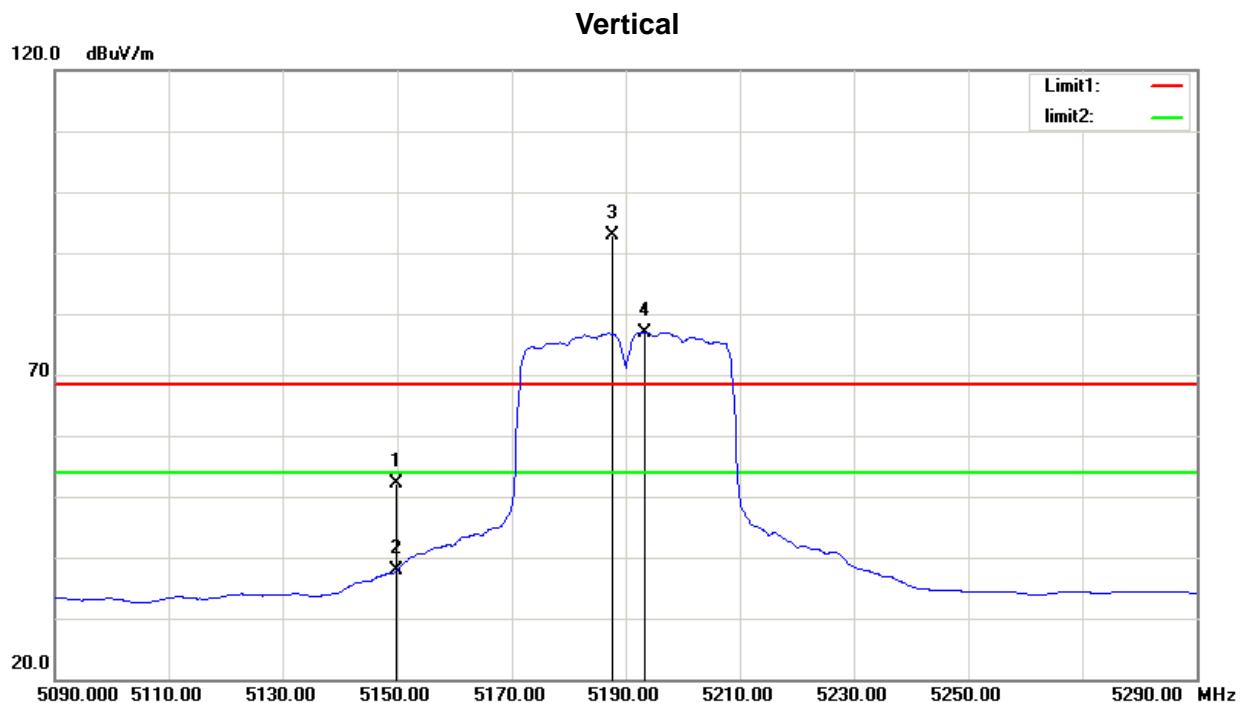
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5238.910 | 87.74 | 8.51 | 96.25 | / | / | AVG |
| 2 | 5239.311 | 100.38 | 8.52 | 108.90 | / | / | peak |
| 3 | 5350.000 | 44.51 | 9.03 | 53.54 | 68.30 | -14.76 | peak |
| 4 | 5350.000 | 35.19 | 9.03 | 44.22 | 54.00 | -9.78 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT20) Mode 5240 MHz |



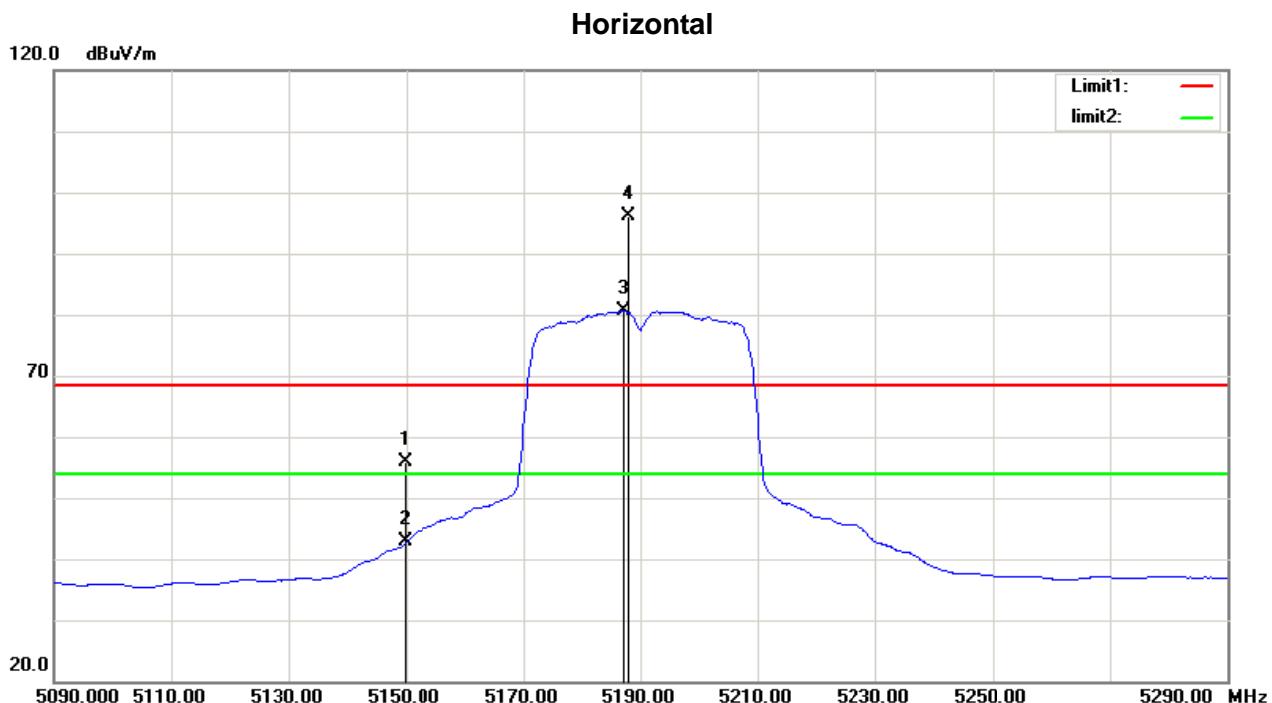
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5238.709 | 98.04 | 8.51 | 106.55 | / | / | peak |
| 2 | 5238.910 | 86.09 | 8.51 | 94.60 | / | / | AVG |
| 3 | 5350.000 | 46.12 | 9.03 | 55.15 | 68.30 | -13.15 | peak |
| 4 | 5350.000 | 35.49 | 9.03 | 44.52 | 54.00 | -9.48 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT40) Mode 5190 MHz |



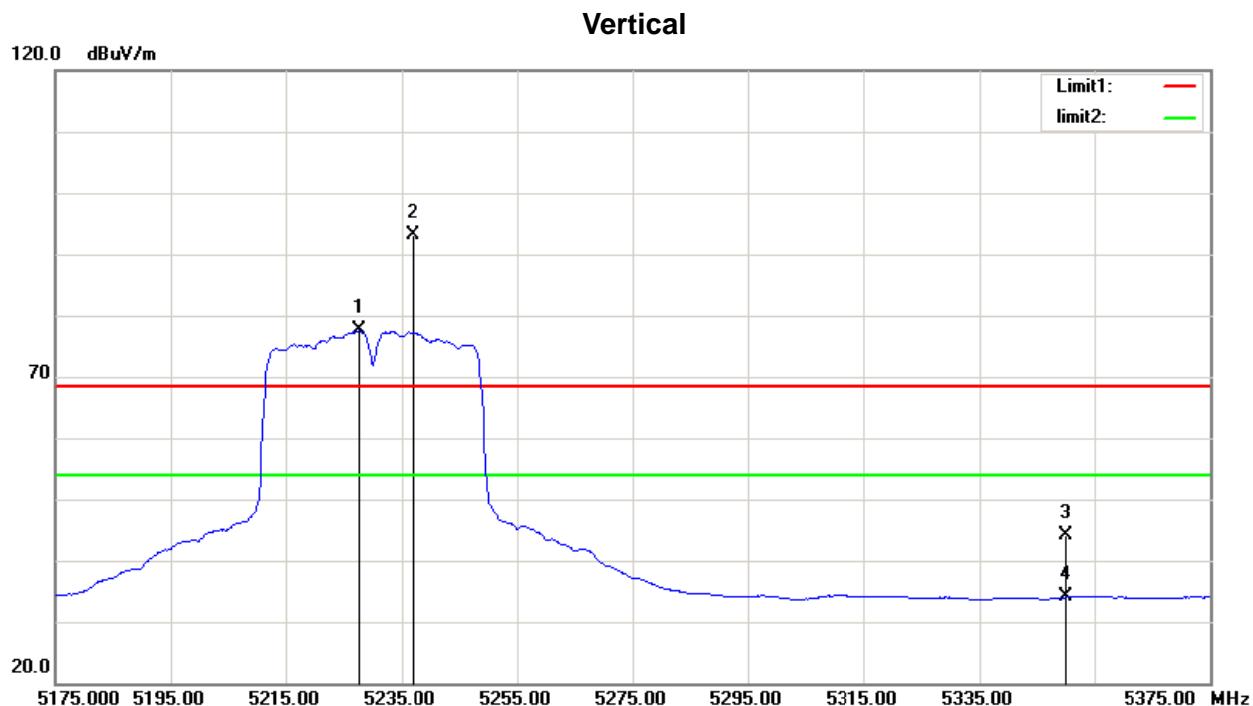
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 54.11 | -1.90 | 52.21 | 68.30 | -16.09 | peak |
| 2 | 5150.000 | 39.90 | -1.90 | 38.00 | 54.00 | -16.00 | AVG |
| 3 | 5187.796 | 94.56 | -1.73 | 92.83 | / | / | peak |
| 4 | 5193.407 | 78.70 | -1.70 | 77.00 | / | / | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT40) Mode 5190 MHz |



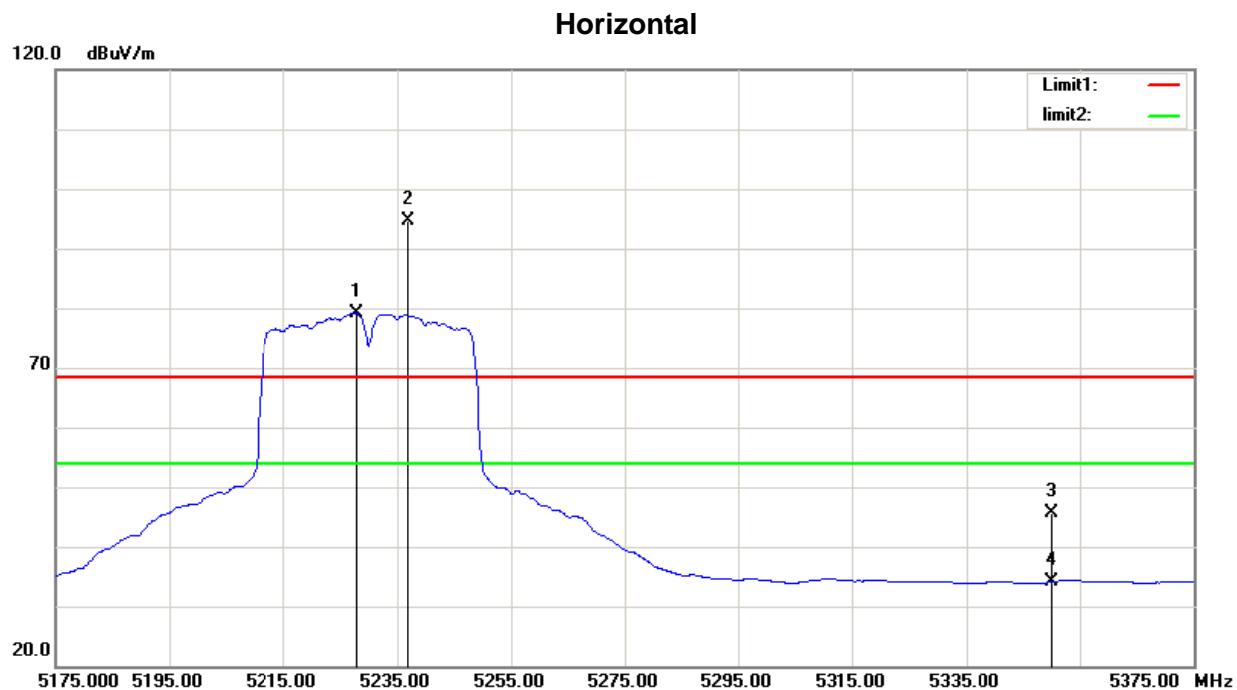
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 57.87 | -1.90 | 55.97 | 68.30 | -12.33 | peak |
| 2 | 5150.000 | 44.71 | -1.90 | 42.81 | 54.00 | -11.19 | AVG |
| 3 | 5187.194 | 82.32 | -1.73 | 80.59 | / | / | AVG |
| 4 | 5187.996 | 97.90 | -1.73 | 96.17 | / | / | peak |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT40) Mode 5230 MHz |



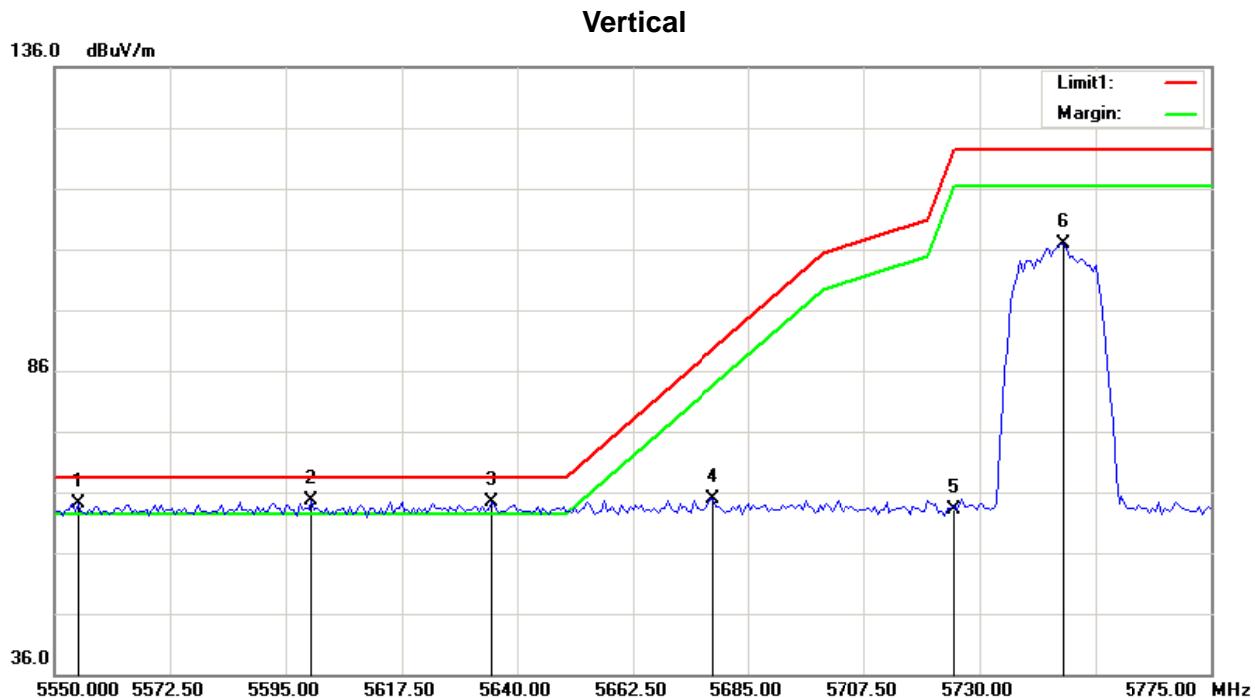
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5227.705 | 79.04 | -1.53 | 77.51 | / | / | AVG |
| 2 | 5237.124 | 94.55 | -1.50 | 93.05 | / | / | peak |
| 3 | 5350.000 | 45.07 | -0.97 | 44.10 | 68.30 | -24.20 | peak |
| 4 | 5350.000 | 35.03 | -0.97 | 34.06 | 54.00 | -19.94 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT40) Mode 5230 MHz |



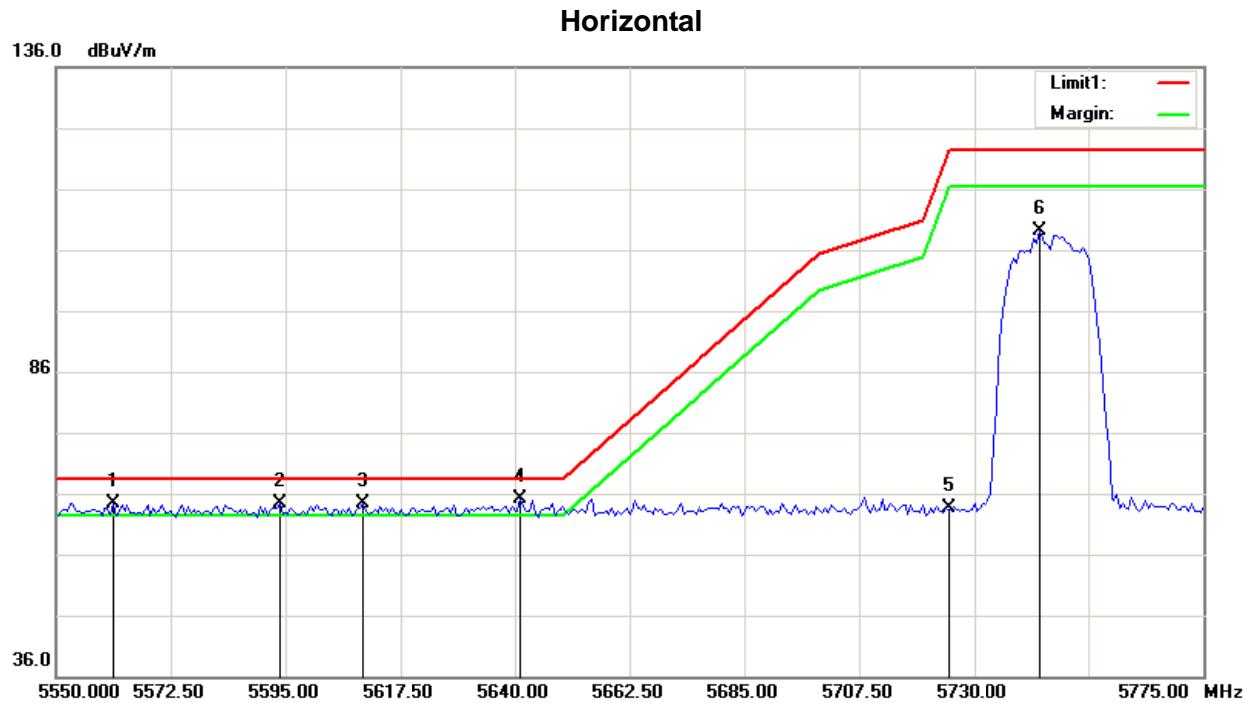
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|----------------------|-----------------|----------------|-------------|--------|
| 1 | 5227.906 | 80.62 | -1.53 | 79.09 | / | / | AVG |
| 2 | 5237.124 | 96.09 | -1.50 | 94.59 | / | / | peak |
| 3 | 5350.000 | 46.63 | -0.97 | 45.66 | 68.30 | -22.64 | peak |
| 4 | 5350.000 | 35.12 | -0.97 | 34.15 | 54.00 | -19.85 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5745 MHz |



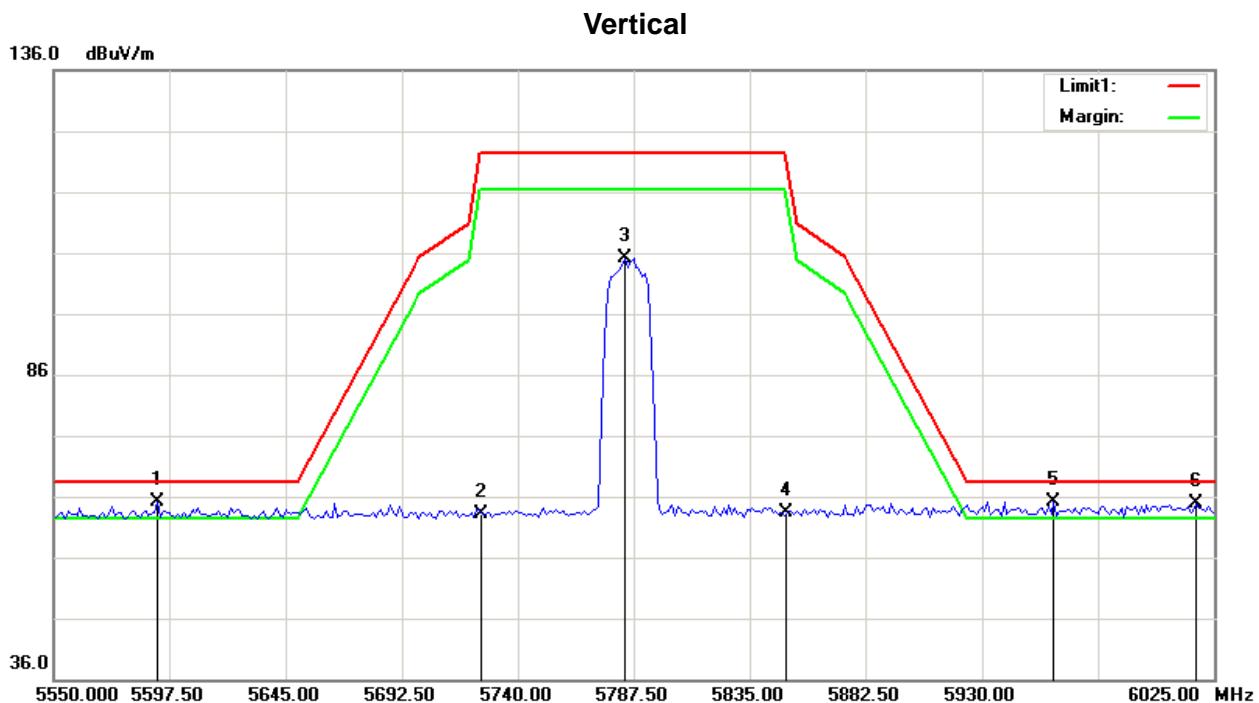
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5554.500 | 23.82 | 40.24 | 64.06 | 68.30 | -4.24 | peak |
| 2 | 5600.063 | 24.35 | 40.26 | 64.61 | 68.30 | -3.69 | peak |
| 3 | 5634.938 | 24.03 | 40.28 | 64.31 | 68.30 | -3.99 | peak |
| 4 | 5678.250 | 24.48 | 40.30 | 64.78 | 89.20 | -24.42 | peak |
| 5 | 5725.000 | 22.71 | 40.31 | 63.02 | 122.30 | -59.28 | peak |
| 6 | 5746.313 | 66.61 | 40.32 | 106.93 | 122.30 | -15.37 | peak |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5745 MHz |



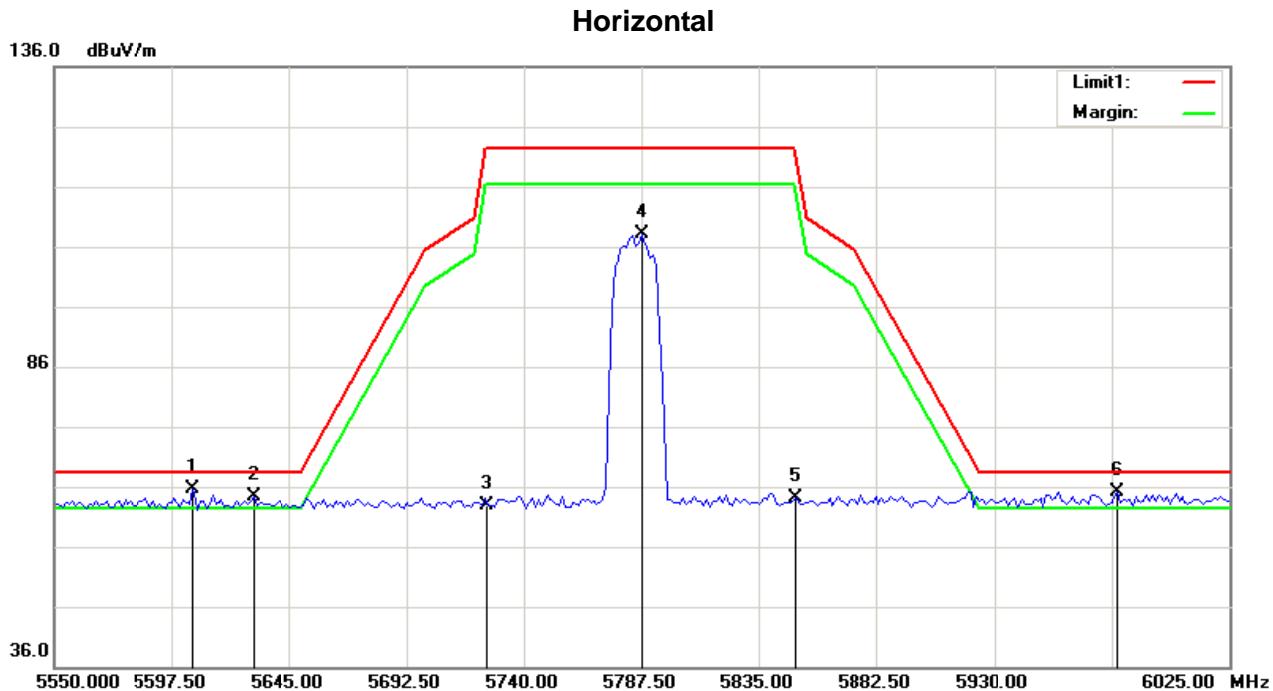
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5561.250 | 24.20 | 40.25 | 64.45 | 68.30 | -3.85 | peak |
| 2 | 5593.875 | 24.16 | 40.26 | 64.42 | 68.30 | -3.88 | peak |
| 3 | 5610.188 | 24.04 | 40.27 | 64.31 | 68.30 | -3.99 | peak |
| 4 | 5641.125 | 24.81 | 40.28 | 65.09 | 68.30 | -3.21 | peak |
| 5 | 5725.000 | 23.32 | 40.31 | 63.63 | 122.30 | -58.67 | peak |
| 6 | 5742.938 | 68.83 | 40.32 | 109.15 | 122.30 | -13.15 | peak |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5785 MHz |



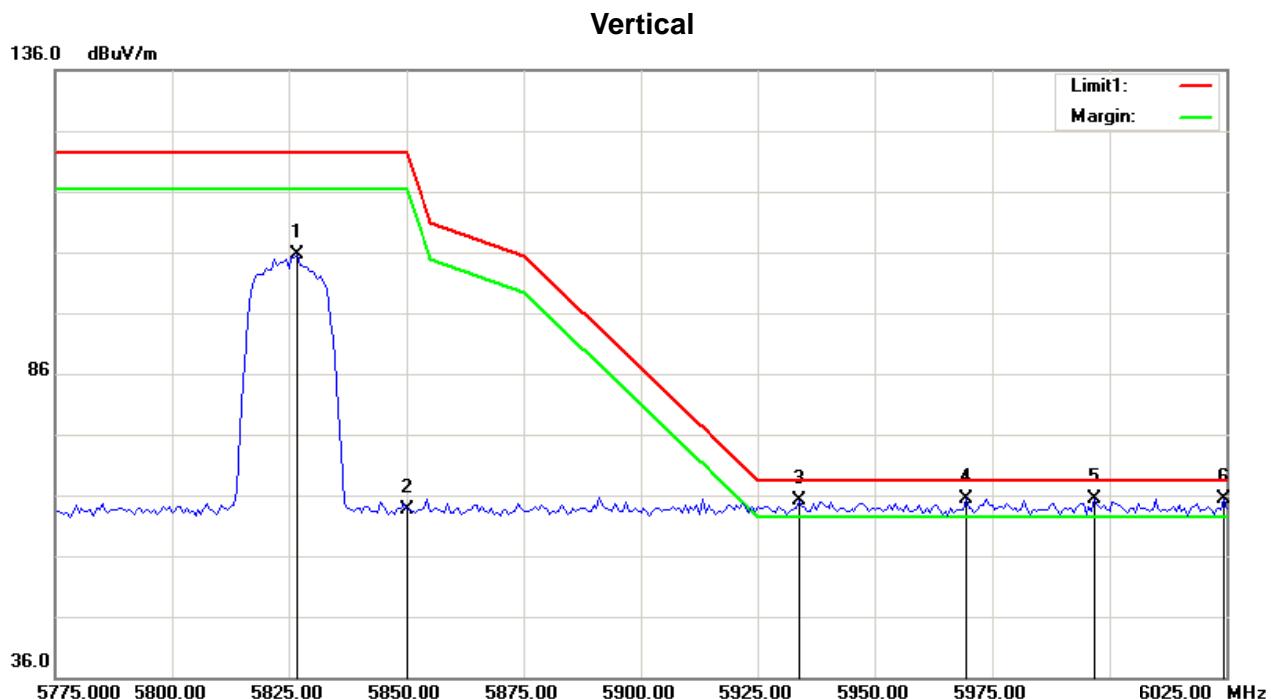
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5592.750 | 24.81 | 40.26 | 65.07 | 68.30 | -3.23 | peak |
| 2 | 5725.000 | 22.70 | 40.31 | 63.01 | 122.30 | -59.29 | peak |
| 3 | 5783.938 | 64.90 | 40.34 | 105.24 | 122.30 | -17.06 | peak |
| 4 | 5850.000 | 23.03 | 40.37 | 63.40 | 122.30 | -58.90 | peak |
| 5 | 5959.688 | 24.69 | 40.42 | 65.11 | 68.30 | -3.19 | peak |
| 6 | 6017.875 | 24.40 | 40.52 | 64.92 | 68.30 | -3.38 | peak |

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|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5785 MHz |



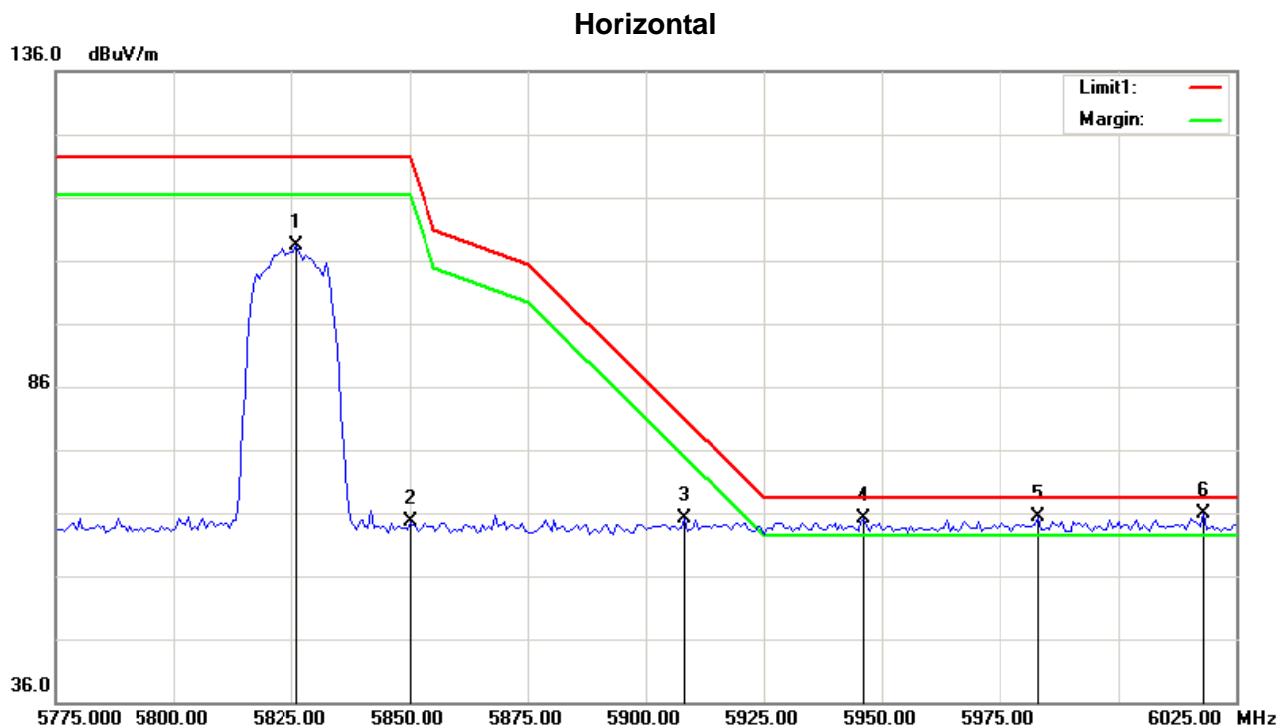
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5605.813 | 25.37 | 40.27 | 65.64 | 68.30 | -2.66 | peak |
| 2 | 5630.750 | 24.16 | 40.28 | 64.44 | 68.30 | -3.86 | peak |
| 3 | 5725.000 | 22.60 | 40.31 | 62.91 | 122.30 | -59.39 | peak |
| 4 | 5787.500 | 67.86 | 40.34 | 108.20 | 122.30 | -14.10 | peak |
| 5 | 5850.000 | 23.78 | 40.37 | 64.15 | 122.30 | -58.15 | peak |
| 6 | 5979.875 | 24.81 | 40.42 | 65.23 | 68.30 | -3.07 | peak |

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|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5825 MHz |



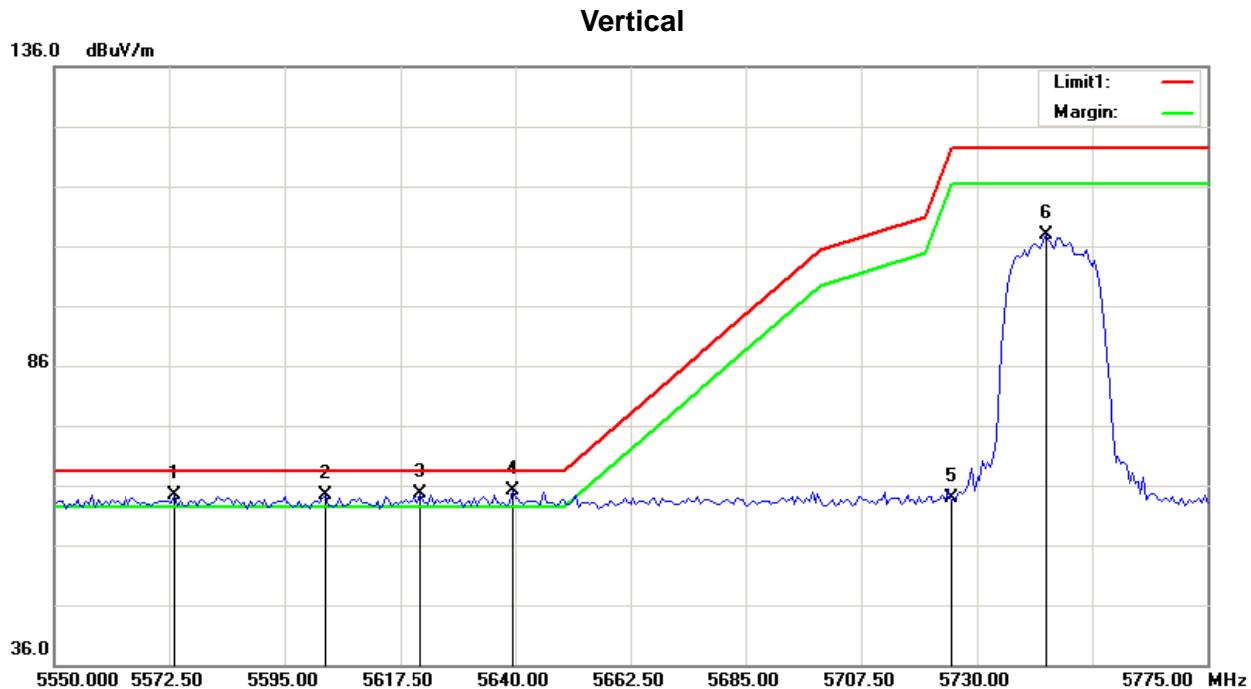
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5826.875 | 65.20 | 40.36 | 105.56 | 122.30 | -16.74 | peak |
| 2 | 5850.000 | 23.30 | 40.37 | 63.67 | 122.30 | -58.63 | peak |
| 3 | 5933.750 | 24.79 | 40.41 | 65.20 | 68.30 | -3.10 | peak |
| 4 | 5969.375 | 25.06 | 40.41 | 65.47 | 68.30 | -2.83 | peak |
| 5 | 5996.875 | 25.03 | 40.43 | 65.46 | 68.30 | -2.84 | peak |
| 6 | 6024.375 | 24.72 | 40.56 | 65.28 | 68.30 | -3.02 | peak |

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| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5825 MHz |



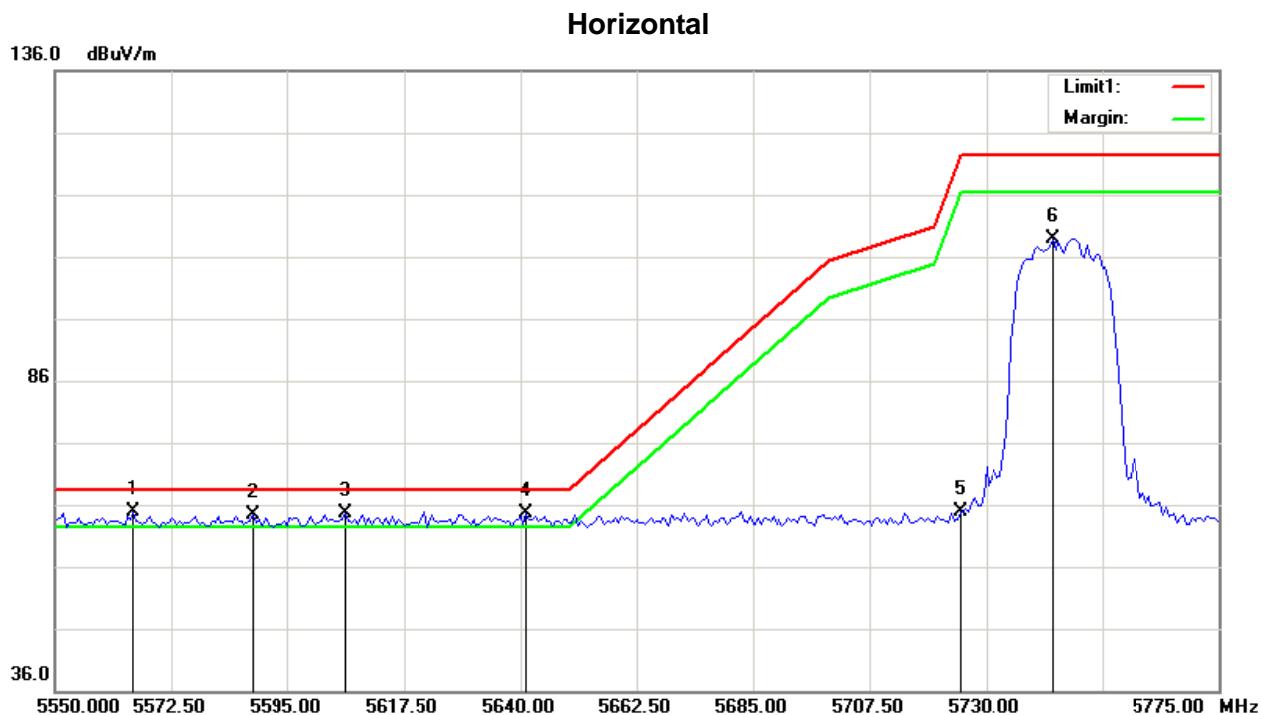
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5826.250 | 68.07 | 40.36 | 108.43 | 122.30 | -13.87 | peak |
| 2 | 5850.000 | 24.19 | 40.37 | 64.56 | 122.30 | -57.74 | peak |
| 3 | 5908.125 | 24.78 | 40.39 | 65.17 | 80.79 | -15.62 | peak |
| 4 | 5946.250 | 24.61 | 40.41 | 65.02 | 68.30 | -3.28 | peak |
| 5 | 5983.125 | 24.83 | 40.43 | 65.26 | 68.30 | -3.04 | peak |
| 6 | 6018.125 | 25.44 | 40.52 | 65.96 | 68.30 | -2.34 | peak |

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| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5745 MHz |



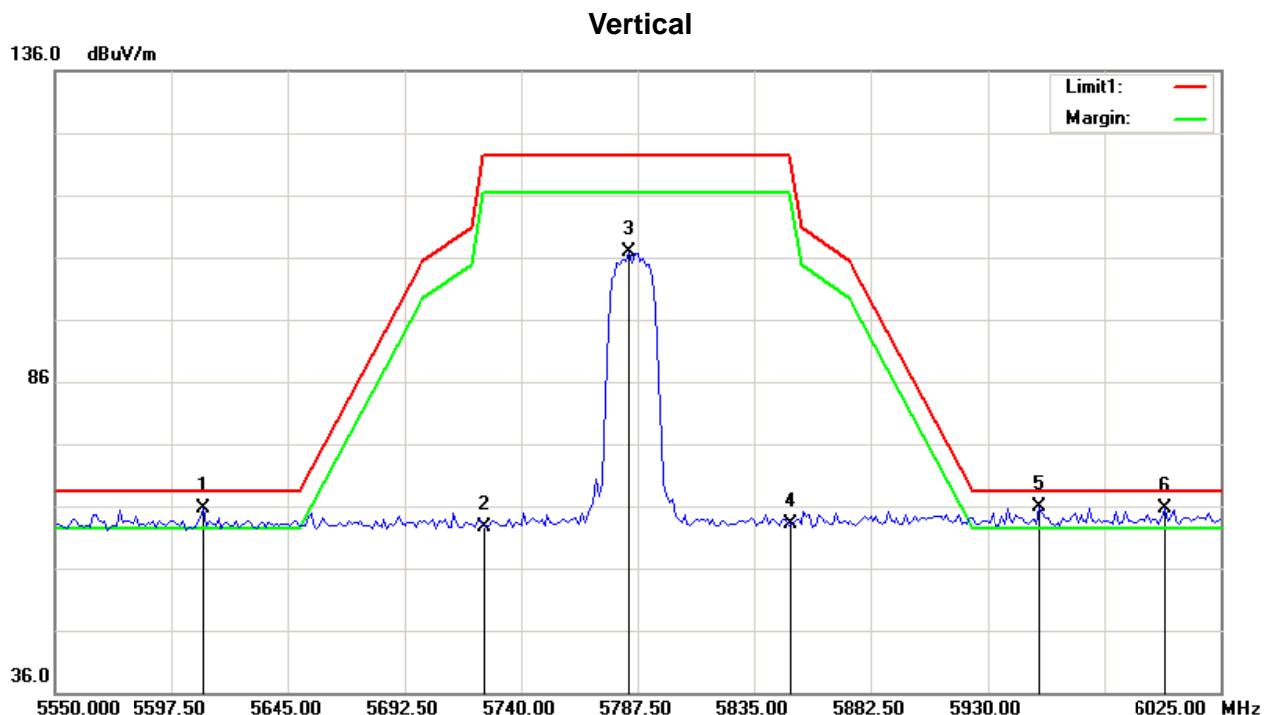
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|----------------------|-----------------|----------------|-------------|--------|
| 1 | 5573.625 | 24.21 | 40.25 | 64.46 | 68.30 | -3.84 | peak |
| 2 | 5602.875 | 24.08 | 40.26 | 64.34 | 68.30 | -3.96 | peak |
| 3 | 5621.438 | 24.43 | 40.27 | 64.70 | 68.30 | -3.60 | peak |
| 4 | 5639.438 | 24.77 | 40.27 | 65.04 | 68.30 | -3.26 | peak |
| 5 | 5725.000 | 23.63 | 40.31 | 63.94 | 122.30 | -58.36 | peak |
| 6 | 5743.500 | 67.44 | 40.32 | 107.76 | 122.30 | -14.54 | peak |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5745 MHz |



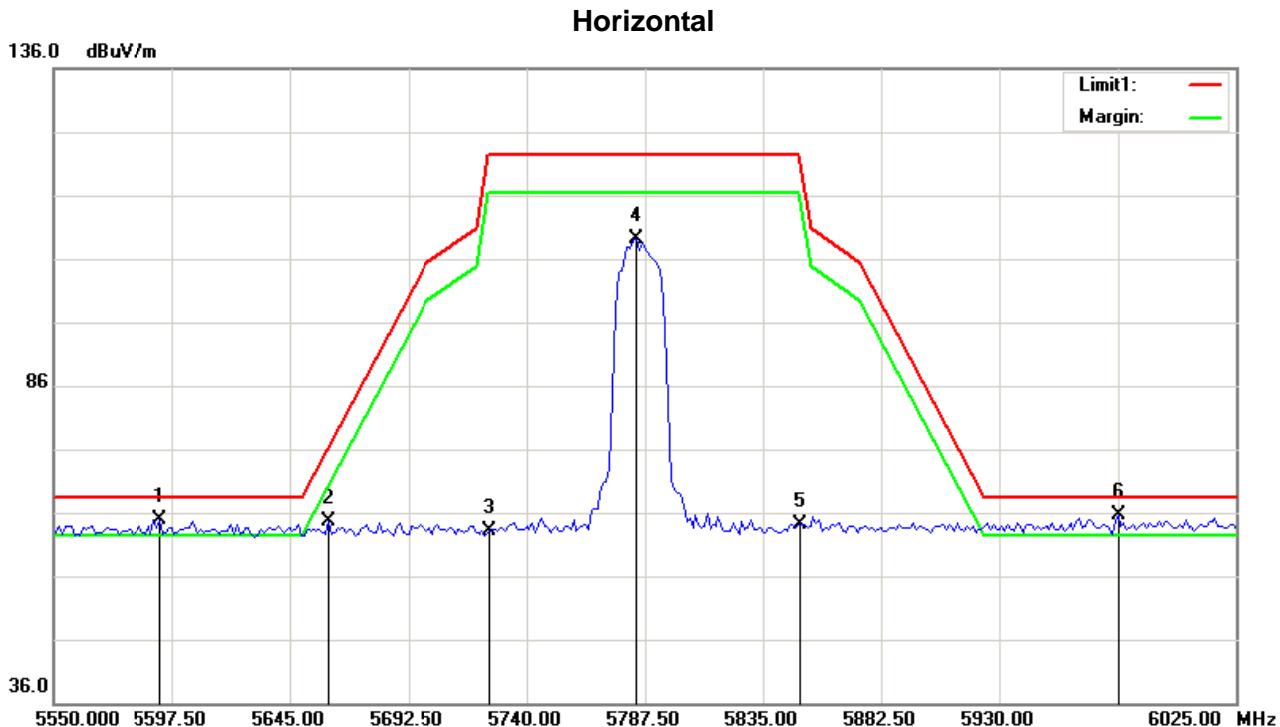
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|----------------------|-----------------|----------------|-------------|--------|
| 1 | 5565.188 | 24.69 | 40.24 | 64.93 | 68.30 | -3.37 | peak |
| 2 | 5588.250 | 24.09 | 40.25 | 64.34 | 68.30 | -3.96 | peak |
| 3 | 5606.250 | 24.25 | 40.27 | 64.52 | 68.30 | -3.78 | peak |
| 4 | 5641.125 | 24.26 | 40.28 | 64.54 | 68.30 | -3.76 | peak |
| 5 | 5725.000 | 24.59 | 40.31 | 64.90 | 122.30 | -57.40 | peak |
| 6 | 5742.938 | 68.65 | 40.32 | 108.97 | 122.30 | -13.33 | peak |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5785 MHz |



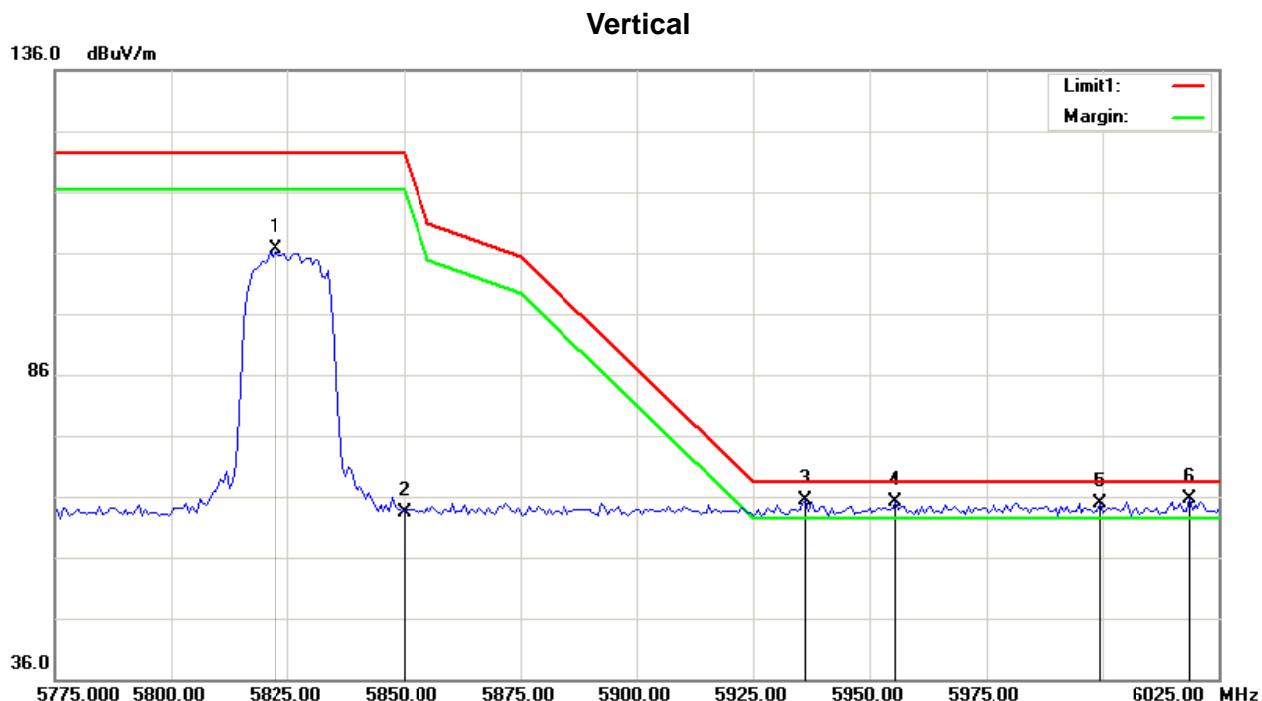
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5610.563 | 25.34 | 40.27 | 65.61 | 68.30 | -2.69 | peak |
| 2 | 5725.000 | 22.42 | 40.31 | 62.73 | 122.30 | -59.57 | peak |
| 3 | 5783.938 | 66.54 | 40.34 | 106.88 | 122.30 | -15.42 | peak |
| 4 | 5850.000 | 22.69 | 40.37 | 63.06 | 122.30 | -59.24 | peak |
| 5 | 5951.375 | 25.39 | 40.41 | 65.80 | 68.30 | -2.50 | peak |
| 6 | 6002.438 | 25.25 | 40.44 | 65.69 | 68.30 | -2.61 | peak |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5785 MHz |



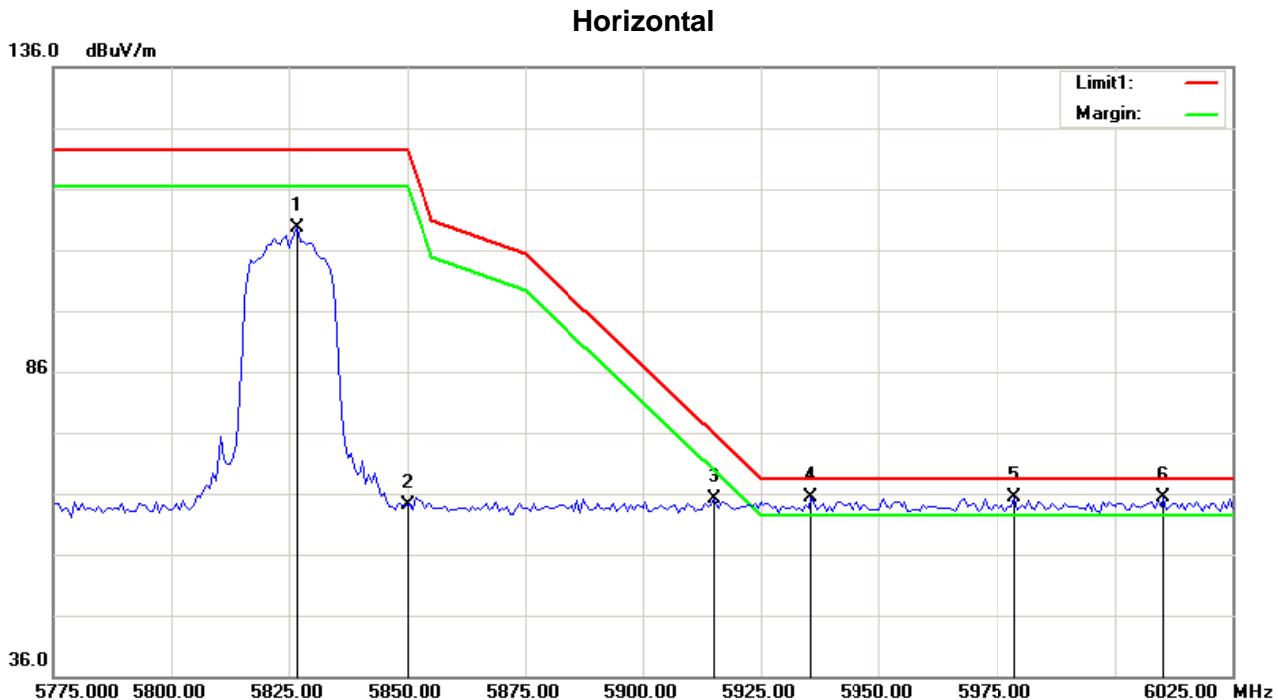
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5592.750 | 24.68 | 40.26 | 64.94 | 68.30 | -3.36 | peak |
| 2 | 5660.438 | 24.41 | 40.29 | 64.70 | 76.02 | -11.32 | peak |
| 3 | 5725.000 | 22.77 | 40.31 | 63.08 | 122.30 | -59.22 | peak |
| 4 | 5783.938 | 68.74 | 40.34 | 109.08 | 122.30 | -13.22 | peak |
| 5 | 5850.000 | 23.82 | 40.37 | 64.19 | 122.30 | -58.11 | peak |
| 6 | 5977.500 | 25.13 | 40.42 | 65.55 | 68.30 | -2.75 | peak |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5825 MHz |



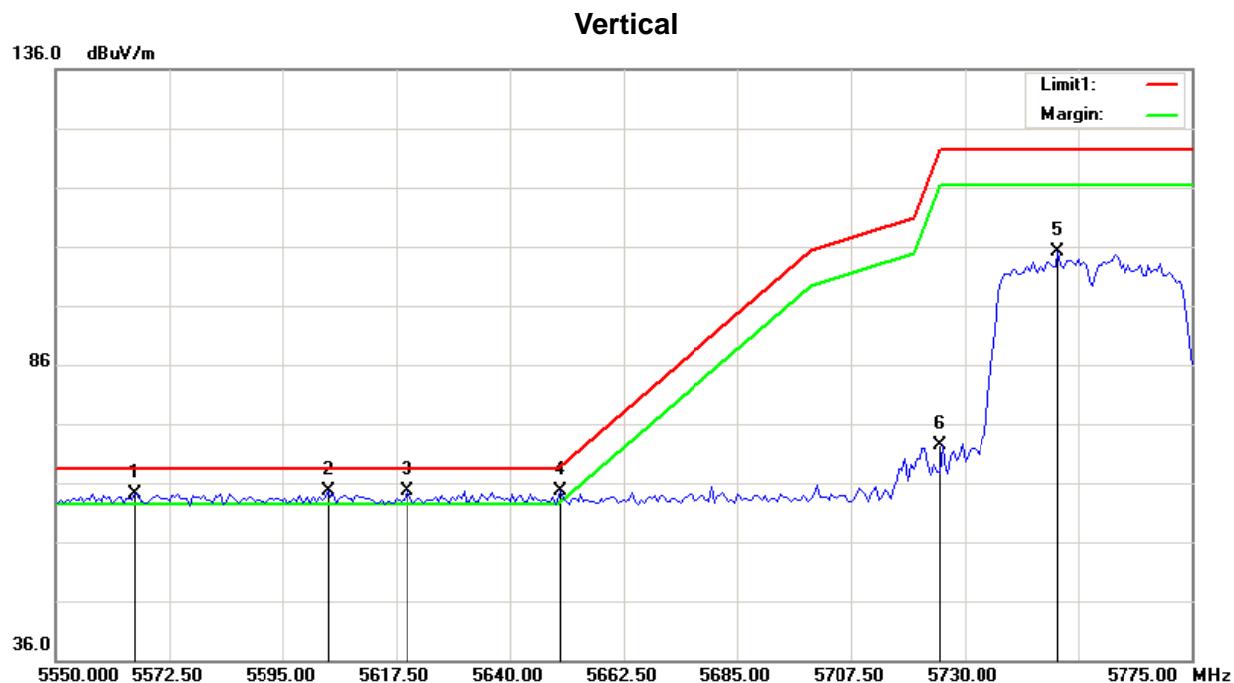
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5822.500 | 66.16 | 40.35 | 106.51 | 122.30 | -15.79 | peak |
| 2 | 5850.000 | 23.00 | 40.37 | 63.37 | 122.30 | -58.93 | peak |
| 3 | 5936.250 | 25.07 | 40.41 | 65.48 | 68.30 | -2.82 | peak |
| 4 | 5955.625 | 24.74 | 40.41 | 65.15 | 68.30 | -3.15 | peak |
| 5 | 5999.375 | 24.51 | 40.43 | 64.94 | 68.30 | -3.36 | peak |
| 6 | 6018.750 | 25.14 | 40.52 | 65.66 | 68.30 | -2.64 | peak |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5825 MHz |



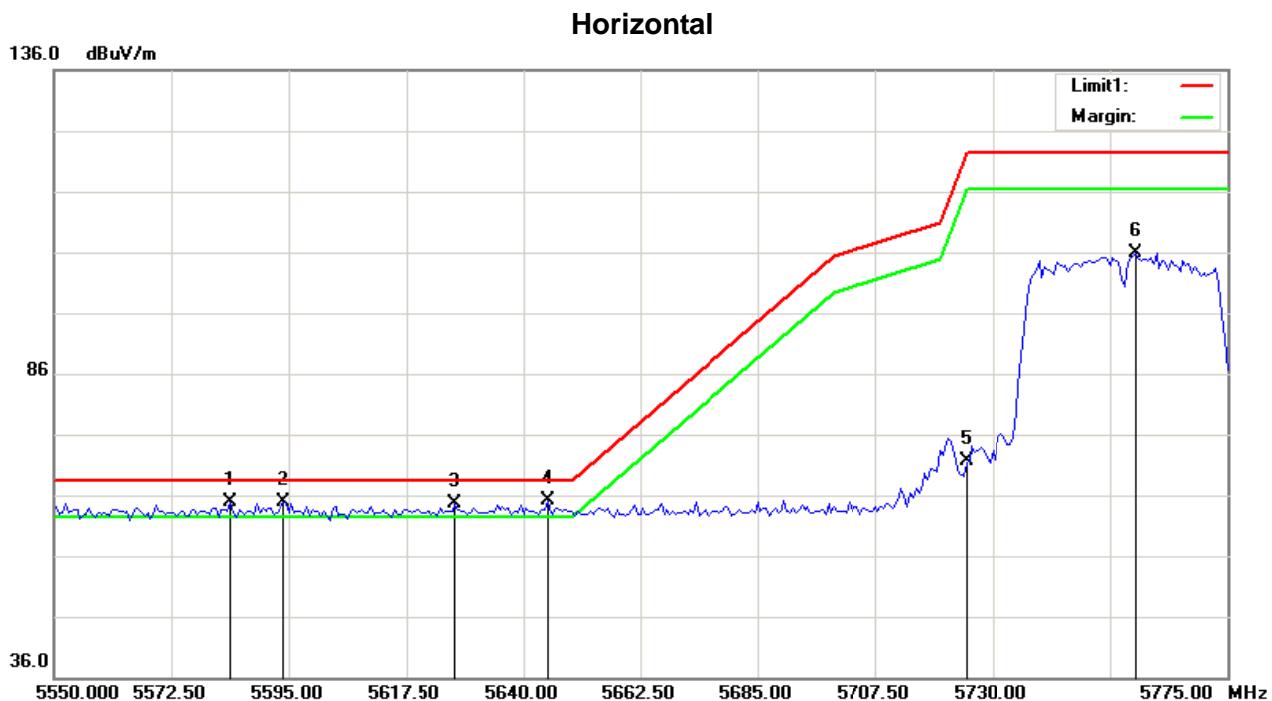
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5826.875 | 69.15 | 40.36 | 109.51 | 122.30 | -12.79 | peak |
| 2 | 5850.000 | 23.66 | 40.37 | 64.03 | 122.30 | -58.27 | peak |
| 3 | 5915.000 | 24.70 | 40.39 | 65.09 | 75.70 | -10.61 | peak |
| 4 | 5935.625 | 24.90 | 40.41 | 65.31 | 68.30 | -2.99 | peak |
| 5 | 5978.750 | 25.03 | 40.42 | 65.45 | 68.30 | -2.85 | peak |
| 6 | 6010.625 | 24.85 | 40.49 | 65.34 | 68.30 | -2.96 | peak |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT40) Mode 5755 MHz |



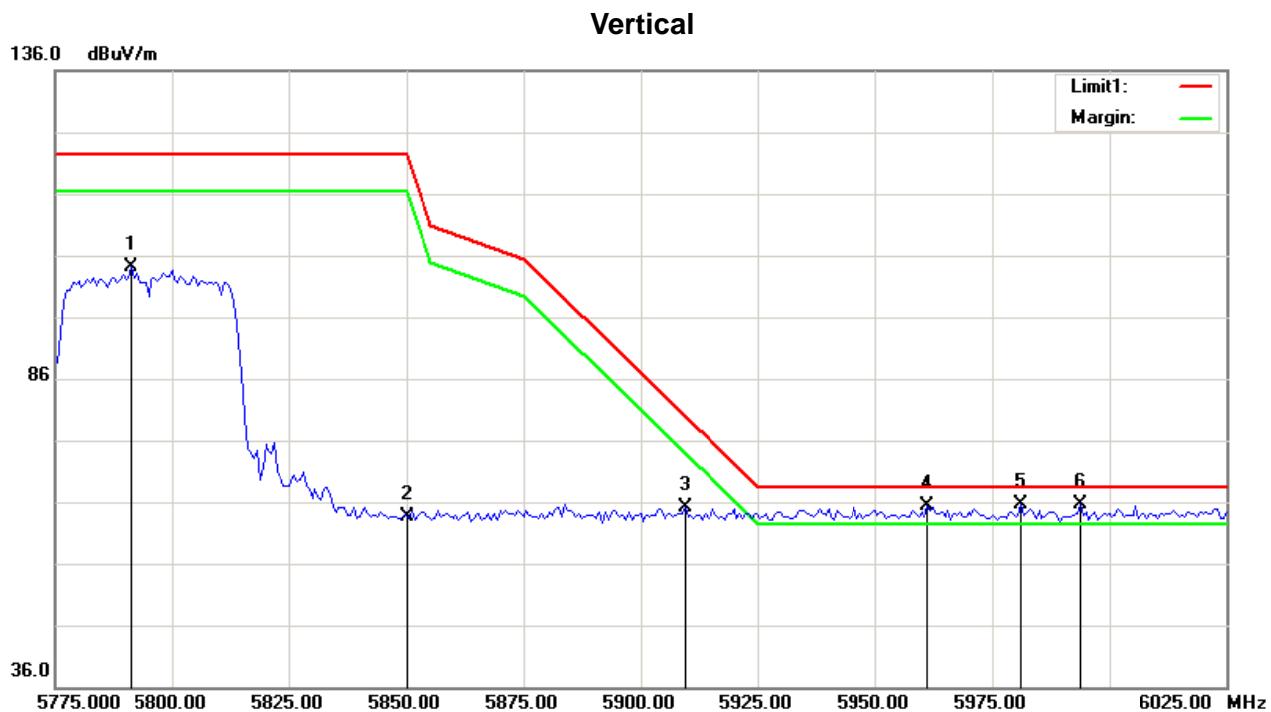
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|----------------------|-----------------|----------------|-------------|--------|
| 1 | 5565.750 | 23.97 | 40.24 | 64.21 | 68.30 | -4.09 | peak |
| 2 | 5604.000 | 24.32 | 40.27 | 64.59 | 68.30 | -3.71 | peak |
| 3 | 5619.750 | 24.44 | 40.27 | 64.71 | 68.30 | -3.59 | peak |
| 4 | 5650.125 | 24.25 | 40.28 | 64.53 | 68.39 | -3.86 | peak |
| 5 | 5748.563 | 64.83 | 40.32 | 105.15 | 122.30 | -17.15 | peak |
| 6 | 5725.000 | 31.95 | 40.31 | 72.26 | 122.30 | -50.04 | peak |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT40) Mode 5755 MHz |



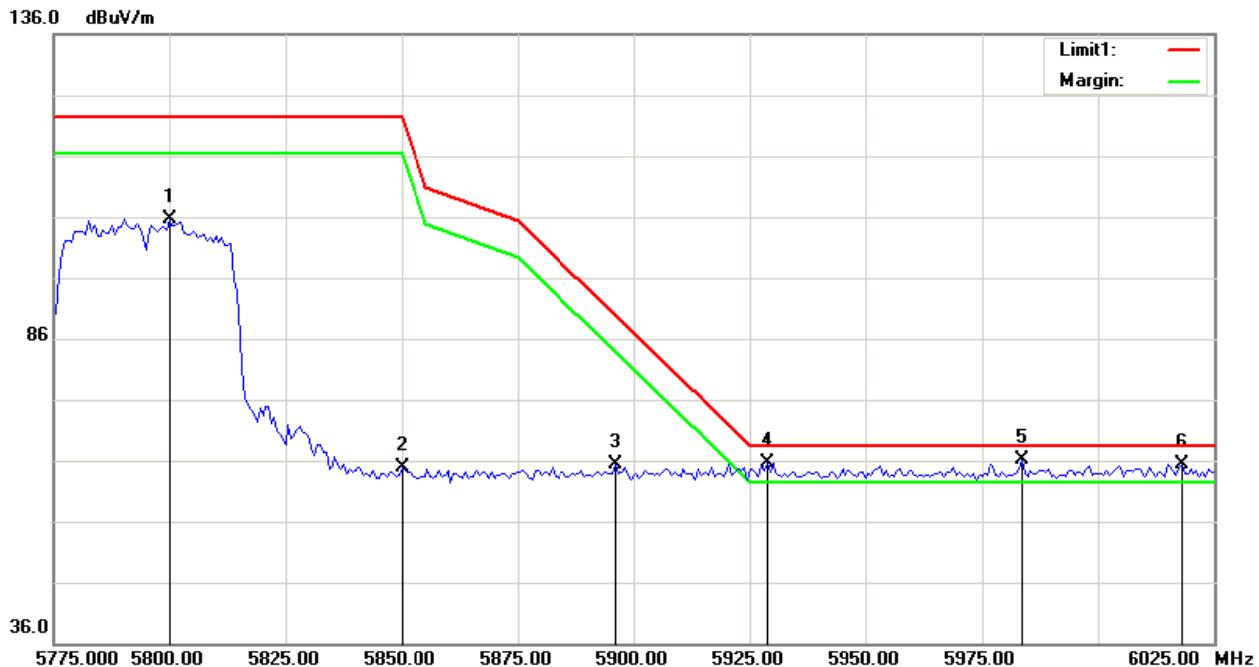
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|----------------------|-----------------|----------------|-------------|--------|
| 1 | 5583.750 | 24.62 | 40.26 | 64.88 | 68.30 | -3.42 | peak |
| 2 | 5593.875 | 24.70 | 40.26 | 64.96 | 68.30 | -3.34 | peak |
| 3 | 5627.063 | 24.43 | 40.27 | 64.70 | 68.30 | -3.60 | peak |
| 4 | 5644.500 | 24.96 | 40.28 | 65.24 | 68.30 | -3.06 | peak |
| 5 | 5725.000 | 31.32 | 40.31 | 71.63 | 122.30 | -50.67 | peak |
| 6 | 5757.563 | 65.62 | 40.33 | 105.95 | 122.30 | -16.35 | peak |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT40) Mode 5795 MHz |



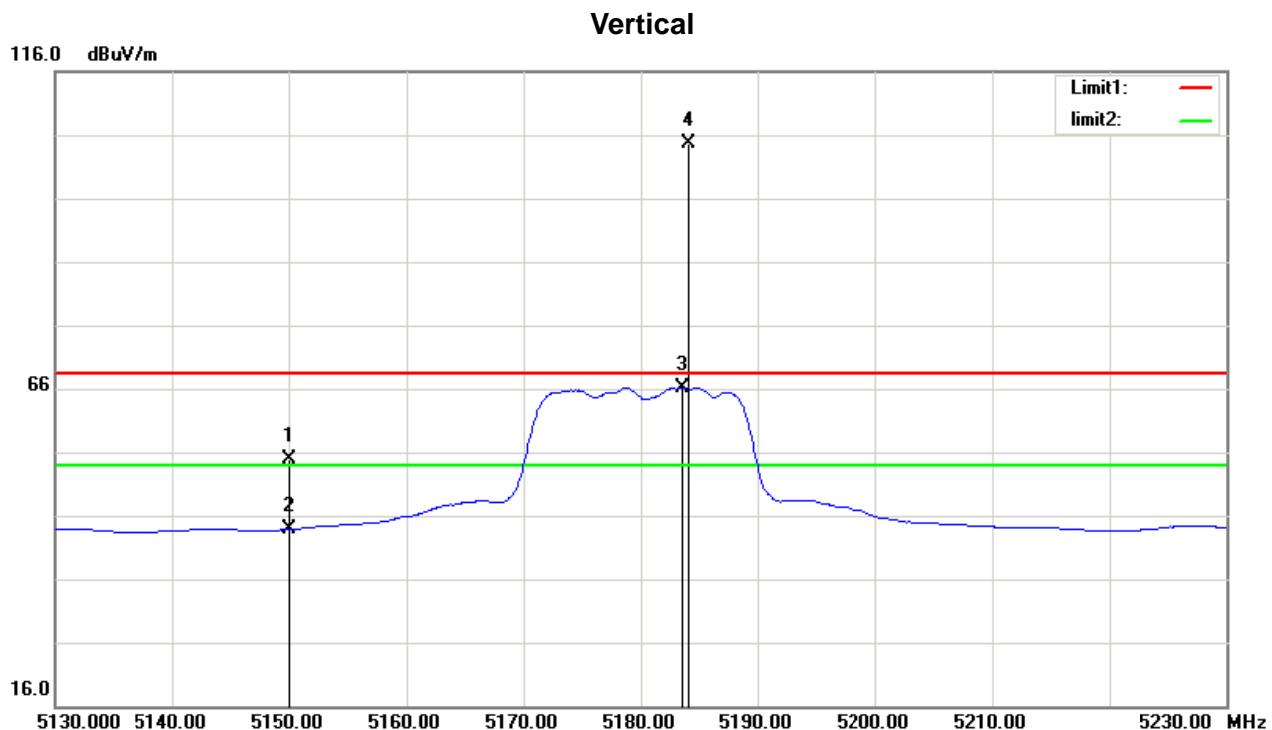
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5791.250 | 63.82 | 40.34 | 104.16 | 122.30 | -18.14 | peak |
| 2 | 5850.000 | 23.31 | 40.37 | 63.68 | 122.30 | -58.62 | peak |
| 3 | 5909.375 | 24.77 | 40.40 | 65.17 | 79.86 | -14.69 | peak |
| 4 | 5961.250 | 25.02 | 40.42 | 65.44 | 68.30 | -2.86 | peak |
| 5 | 5981.250 | 25.19 | 40.42 | 65.61 | 68.30 | -2.69 | peak |
| 6 | 5993.750 | 25.17 | 40.42 | 65.59 | 68.30 | -2.71 | peak |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT40) Mode 5795 MHz |

Horizontal

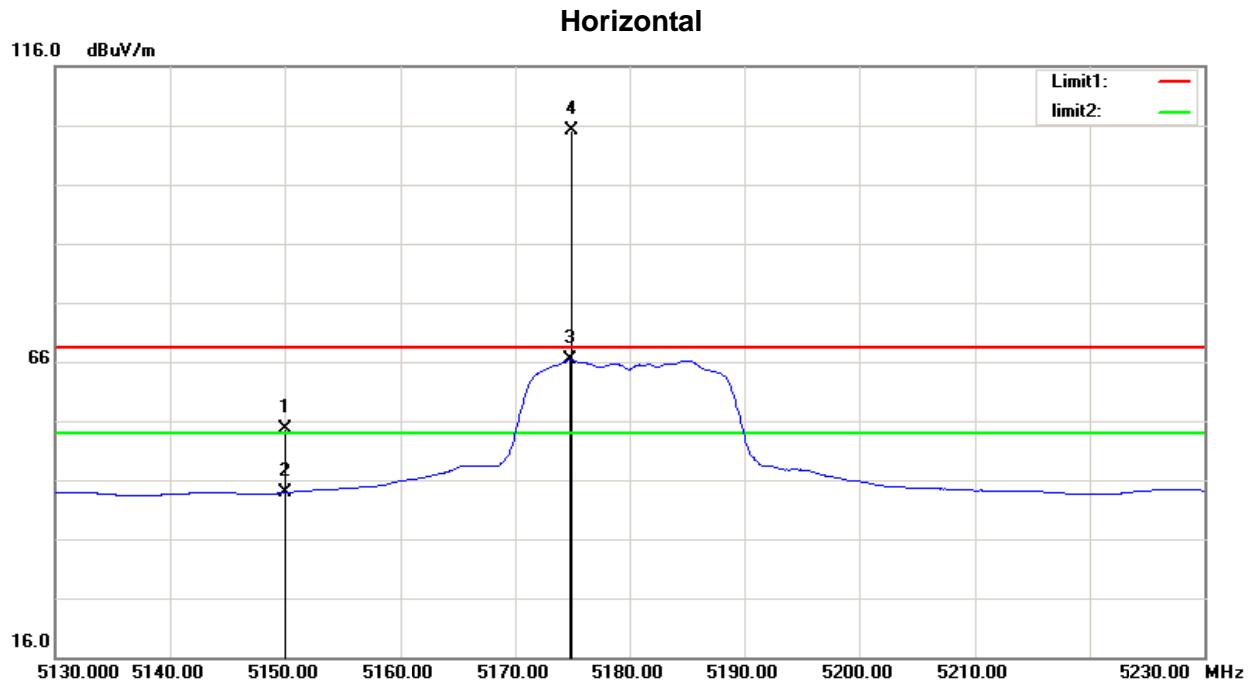
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5800.000 | 65.30 | 40.35 | 105.65 | 122.30 | -16.65 | peak |
| 2 | 5850.000 | 24.63 | 40.37 | 65.00 | 122.30 | -57.30 | peak |
| 3 | 5896.250 | 24.92 | 40.38 | 65.30 | 89.57 | -24.27 | peak |
| 4 | 5928.750 | 25.31 | 40.40 | 65.71 | 68.30 | -2.59 | peak |
| 5 | 5983.750 | 25.63 | 40.43 | 66.06 | 68.30 | -2.24 | peak |
| 6 | 6018.125 | 24.83 | 40.52 | 65.35 | 68.30 | -2.95 | peak |

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| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT20) Mode 5180 MHz |



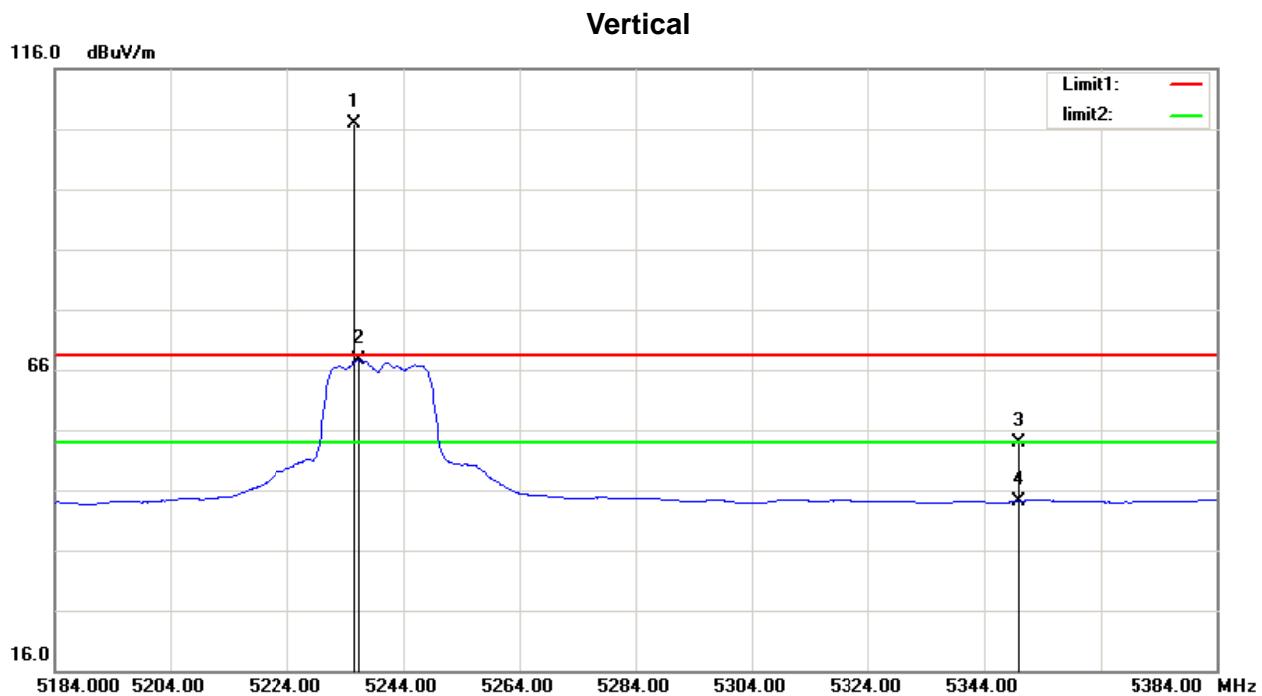
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 46.67 | 8.10 | 54.77 | 68.30 | -13.53 | peak |
| 2 | 5150.000 | 35.72 | 8.10 | 43.82 | 54.00 | -10.18 | AVG |
| 3 | 5183.507 | 57.95 | 8.26 | 66.21 | / | / | AVG |
| 4 | 5184.108 | 96.41 | 8.26 | 104.67 | / | / | peak |

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| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT20) Mode 5180 MHz |



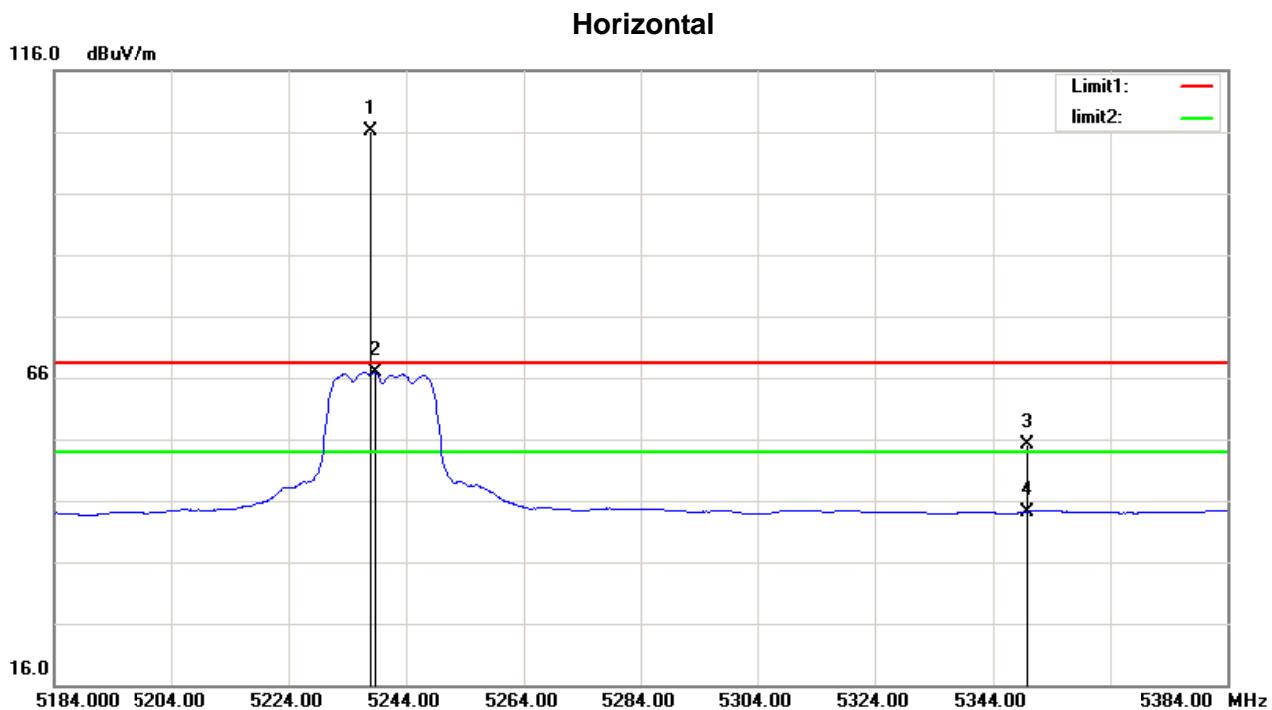
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 46.50 | 8.10 | 54.60 | 68.30 | -13.70 | peak |
| 2 | 5150.000 | 35.73 | 8.10 | 43.83 | 68.30 | -24.47 | peak |
| 3 | 5174.890 | 58.18 | 8.21 | 66.39 | / | / | peak |
| 4 | 5174.990 | 96.79 | 8.22 | 105.01 | / | / | peak |

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| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT20) Mode 5240 MHz |



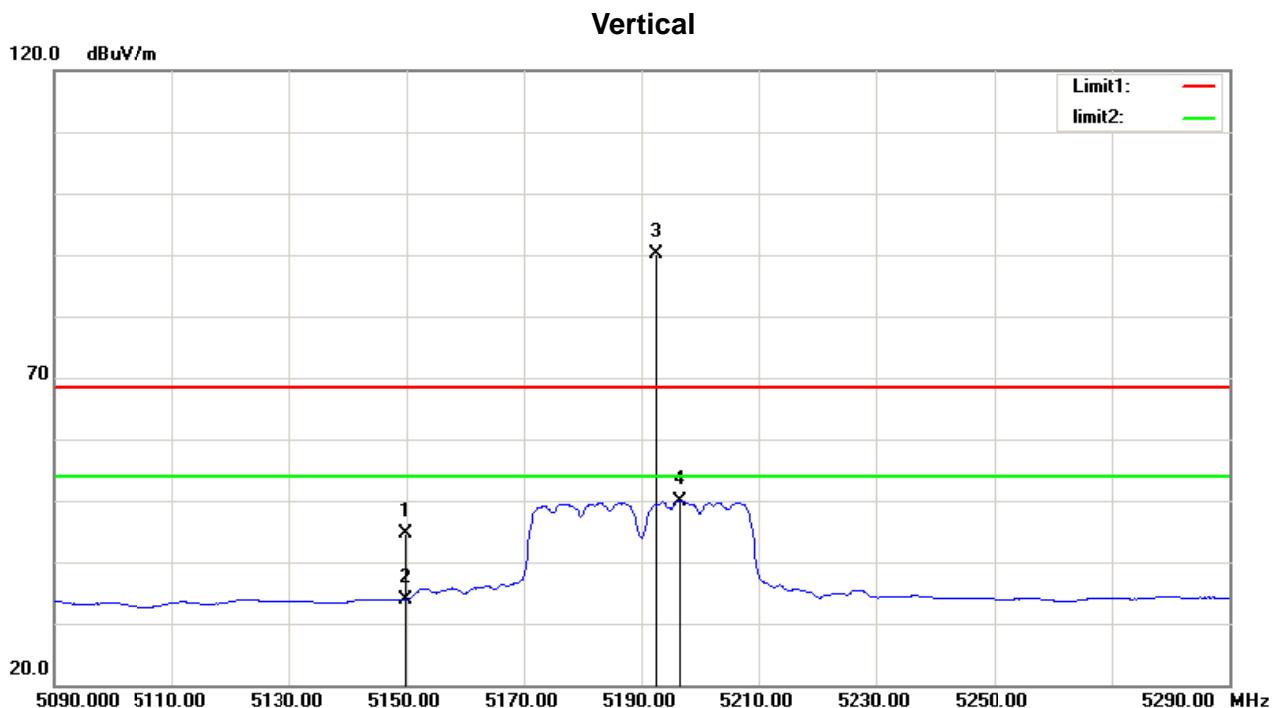
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5235.503 | 98.38 | 8.50 | 106.88 | / | / | peak |
| 2 | 5236.305 | 59.08 | 8.50 | 67.58 | / | / | AVG |
| 3 | 5350.000 | 44.87 | 9.03 | 53.90 | 68.30 | -14.40 | peak |
| 4 | 5350.000 | 35.14 | 9.03 | 44.17 | 54.00 | -9.83 | AVG |

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| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT20) Mode 5240 MHz |



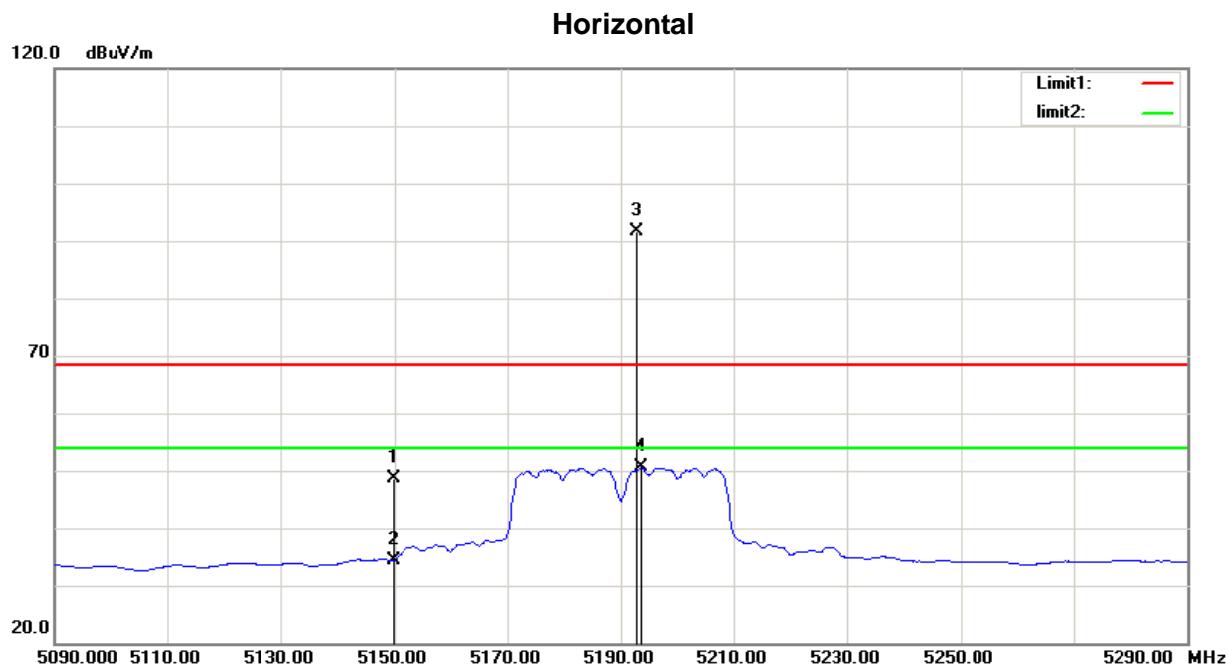
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5238.108 | 97.65 | 8.51 | 106.16 | / | / | peak |
| 2 | 5238.709 | 58.34 | 8.51 | 66.85 | / | / | AVG |
| 3 | 5350.000 | 46.03 | 9.03 | 55.06 | 68.30 | -13.24 | peak |
| 4 | 5350.000 | 35.17 | 9.03 | 44.20 | 54.00 | -9.80 | AVG |

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| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT40) Mode 5190 MHz |



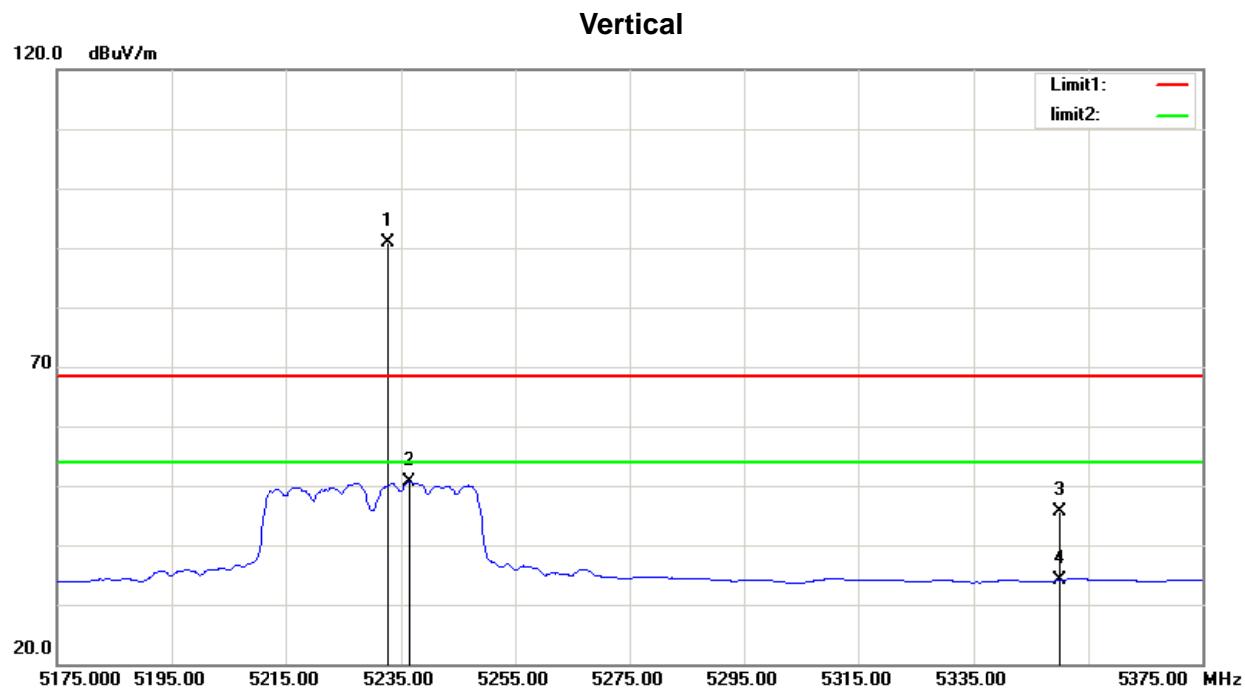
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 46.56 | -1.90 | 44.66 | 68.30 | -23.64 | peak |
| 2 | 5150.000 | 35.88 | -1.90 | 33.98 | 54.00 | -20.02 | AVG |
| 3 | 5192.605 | 91.71 | -1.70 | 90.01 | / | / | peak |
| 4 | 5196.413 | 51.61 | -1.69 | 49.92 | / | / | AVG |

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|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT40) Mode 5190 MHz |



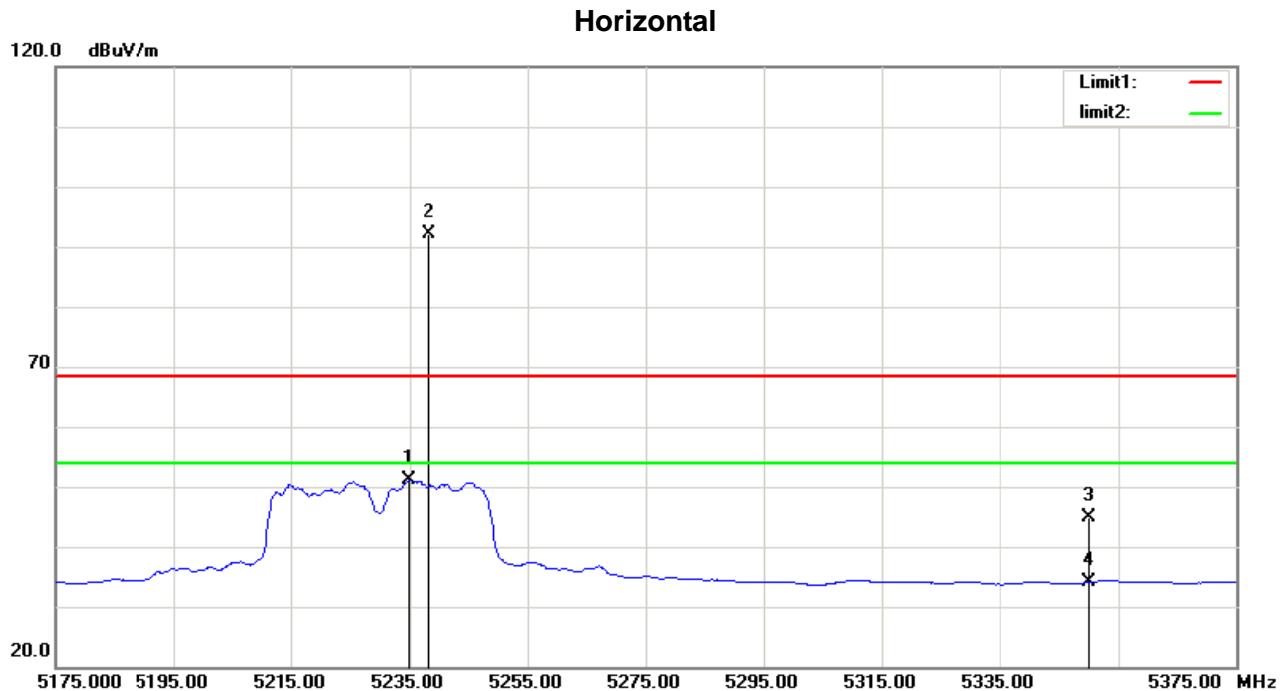
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 50.63 | -1.90 | 48.73 | 68.30 | -19.57 | peak |
| 2 | 5150.000 | 36.40 | -1.90 | 34.50 | 54.00 | -19.50 | AVG |
| 3 | 5192.806 | 93.43 | -1.70 | 91.73 | / | / | peak |
| 4 | 5193.607 | 52.22 | -1.70 | 50.52 | / | / | AVG |

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|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT40) Mode 5230 MHz |



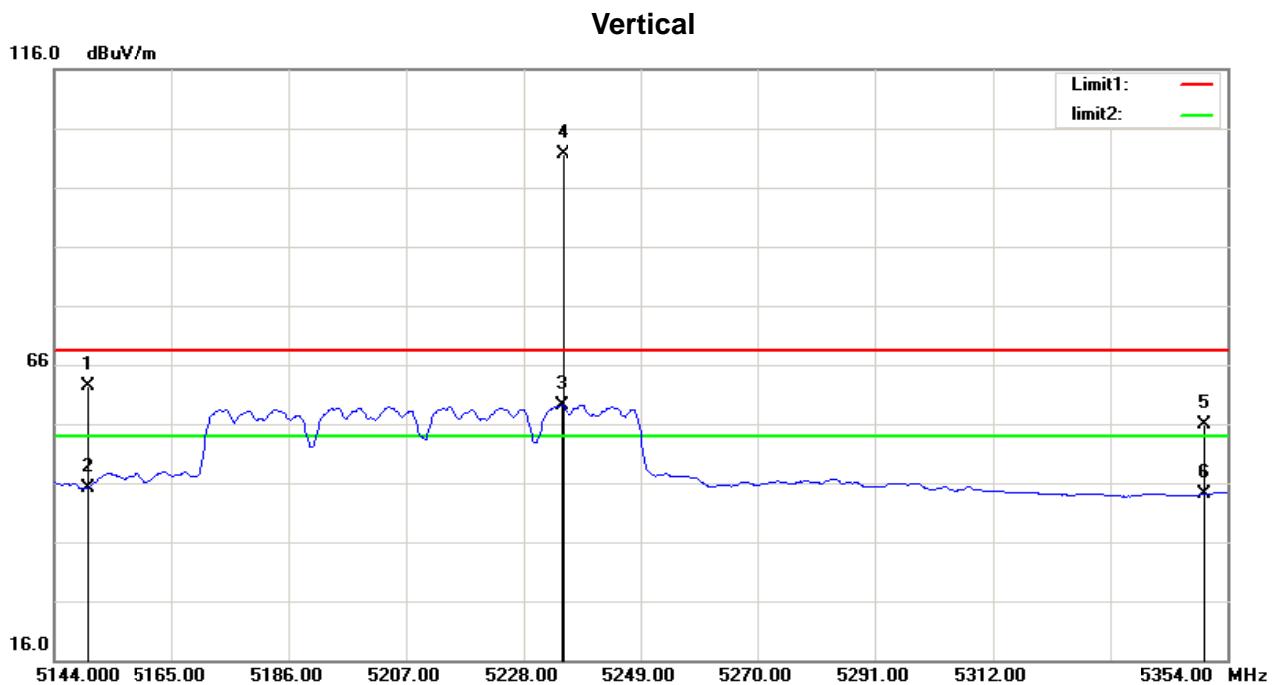
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5232.715 | 92.47 | -1.51 | 90.96 | / | / | peak |
| 2 | 5236.523 | 52.20 | -1.50 | 50.70 | / | / | AVG |
| 3 | 5350.000 | 46.57 | -0.97 | 45.60 | 68.30 | -22.70 | peak |
| 4 | 5350.000 | 35.13 | -0.97 | 34.16 | 54.00 | -19.84 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT40) Mode 5230 MHz |



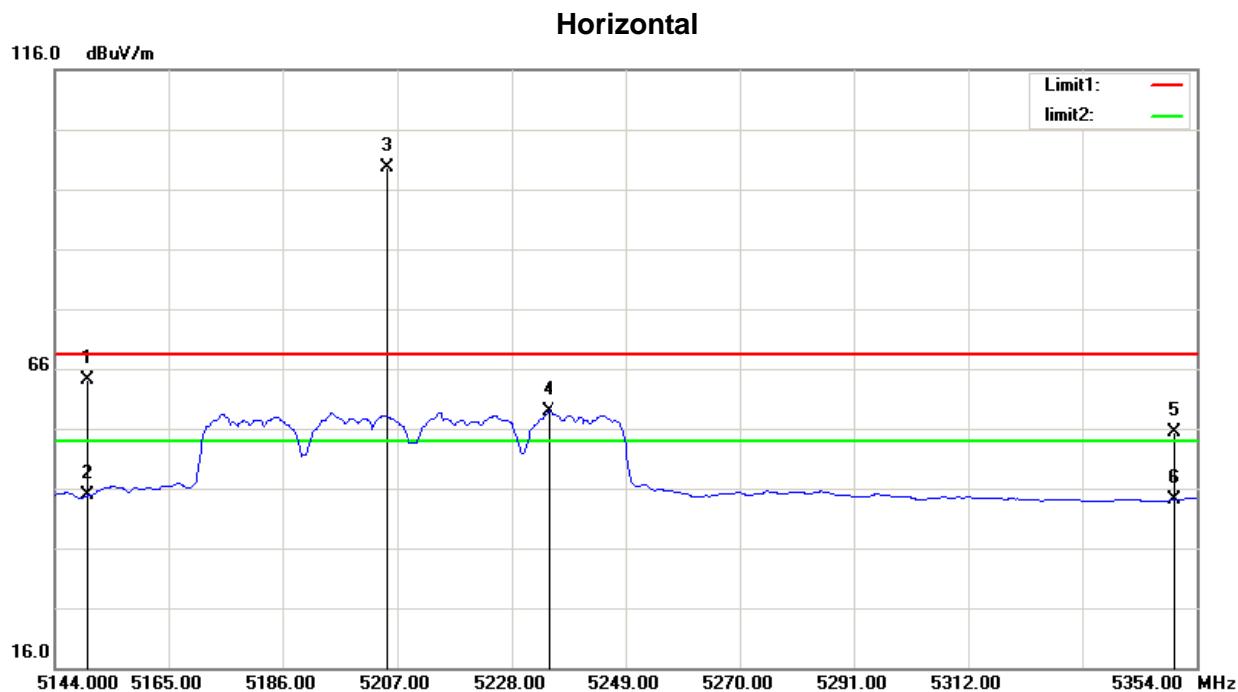
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5234.920 | 52.62 | -1.51 | 51.11 | / | / | AVG |
| 2 | 5238.327 | 93.62 | -1.49 | 92.13 | / | / | peak |
| 3 | 5350.000 | 45.93 | -0.97 | 44.96 | 68.30 | -23.34 | peak |
| 4 | 5350.000 | 35.11 | -0.97 | 34.14 | 54.00 | -19.86 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT80) Mode 5210 MHz |



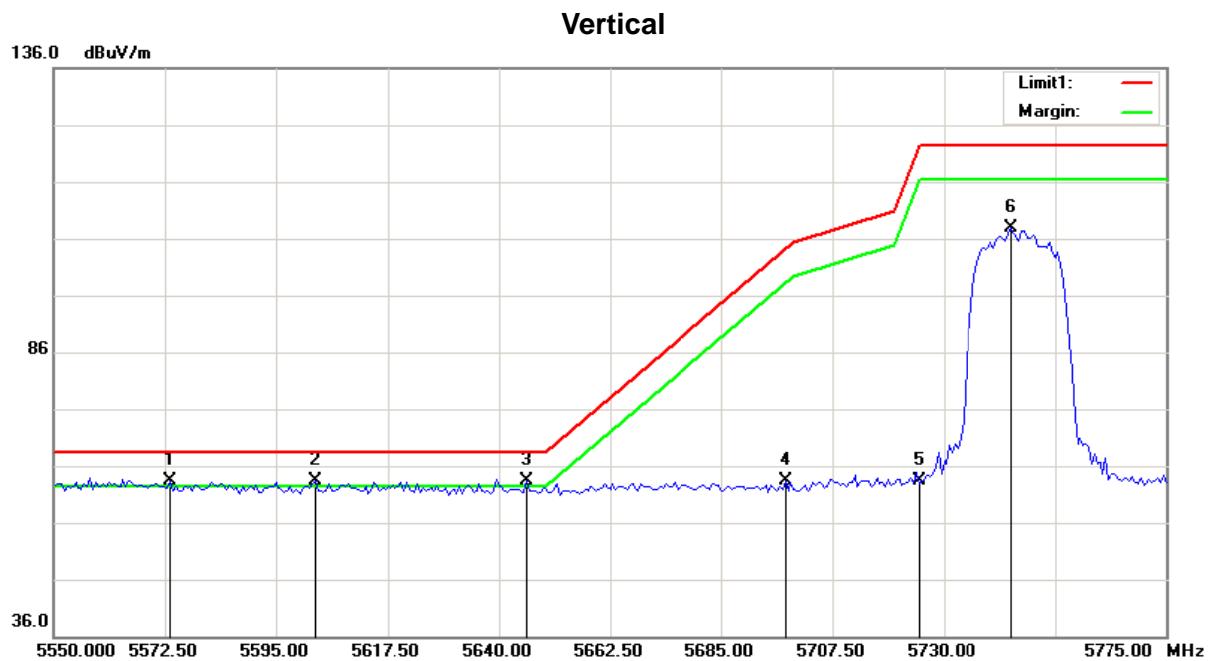
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 54.28 | 8.10 | 62.38 | 68.30 | -5.92 | peak |
| 2 | 5150.000 | 37.15 | 8.10 | 45.25 | 54.00 | -8.75 | AVG |
| 3 | 5234.902 | 50.76 | 8.49 | 59.25 | / | / | AVG |
| 4 | 5235.112 | 93.18 | 8.49 | 101.67 | / | / | peak |
| 5 | 5350.000 | 46.78 | 9.03 | 55.81 | 68.30 | -12.49 | peak |
| 6 | 5350.000 | 35.08 | 9.03 | 44.11 | 54.00 | -9.89 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT80) Mode 5210 MHz |



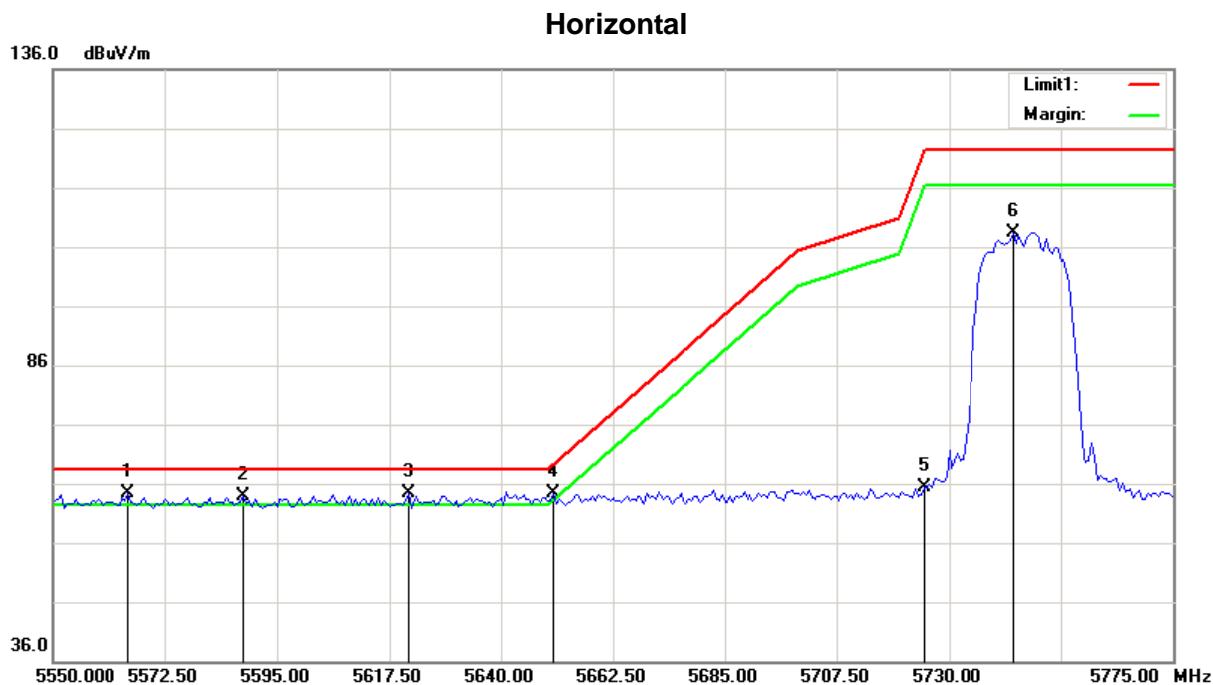
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5150.000 | 56.02 | 8.10 | 64.12 | 68.30 | -4.18 | peak |
| 2 | 5150.000 | 36.66 | 8.10 | 44.76 | 54.00 | -9.24 | AVG |
| 3 | 5205.232 | 91.28 | 8.36 | 99.64 | / | / | peak |
| 4 | 5234.902 | 50.49 | 8.49 | 58.98 | / | / | AVG |
| 5 | 5350.000 | 46.27 | 9.03 | 55.30 | 68.30 | -13.00 | peak |
| 6 | 5350.000 | 35.05 | 9.03 | 44.08 | 54.00 | -9.92 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5745 MHz |



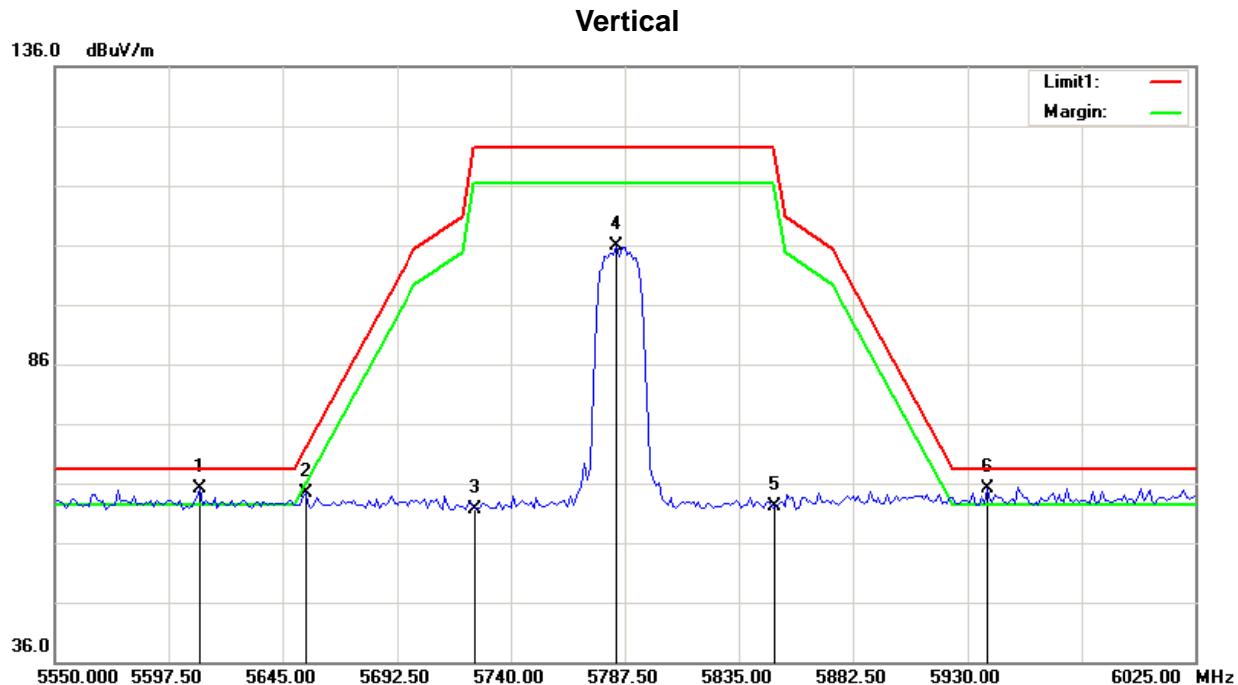
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5573.625 | 23.21 | 40.25 | 63.46 | 68.30 | -4.84 | peak |
| 2 | 5602.875 | 23.08 | 40.26 | 63.34 | 68.30 | -4.96 | peak |
| 3 | 5645.625 | 23.13 | 40.28 | 63.41 | 68.30 | -4.89 | peak |
| 4 | 5697.938 | 23.00 | 40.30 | 63.30 | 103.77 | -40.47 | peak |
| 5 | 5725.000 | 23.13 | 40.31 | 63.44 | 122.30 | -58.86 | peak |
| 6 | 5743.500 | 67.44 | 40.32 | 107.76 | 122.30 | -14.54 | peak |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5745 MHz |



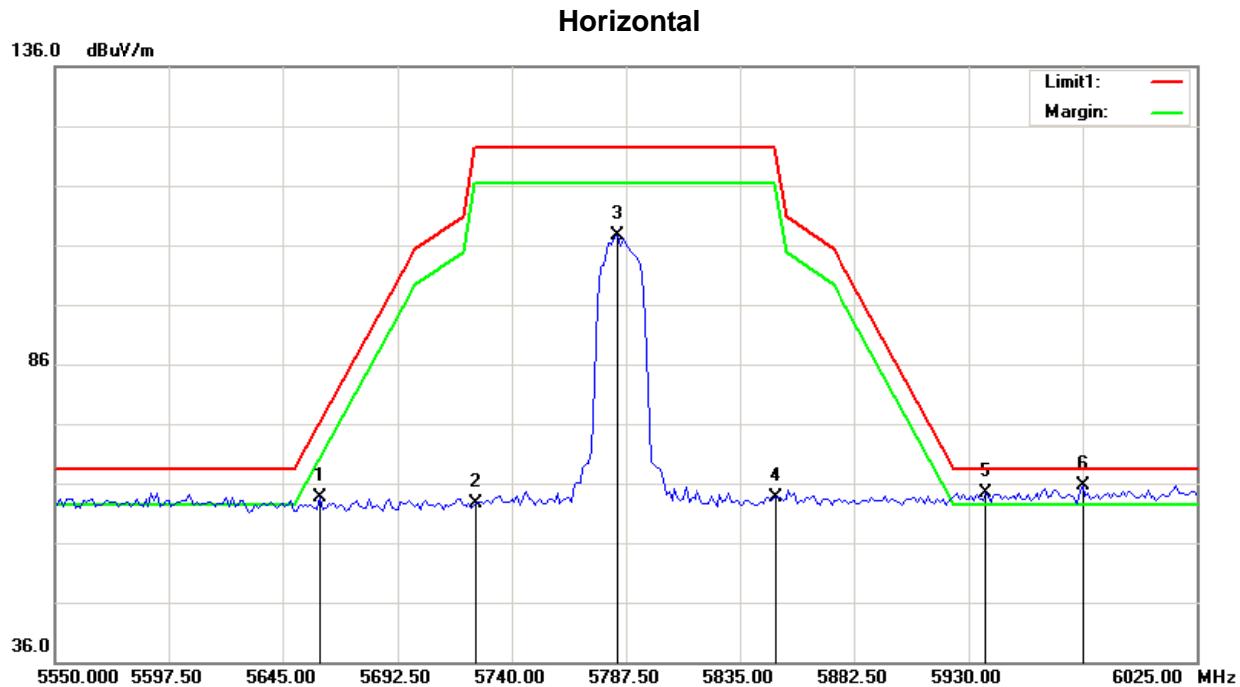
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|----------------------|-----------------|----------------|-------------|--------|
| 1 | 5565.188 | 24.19 | 40.24 | 64.43 | 68.30 | -3.87 | peak |
| 2 | 5588.250 | 23.59 | 40.25 | 63.84 | 68.30 | -4.46 | peak |
| 3 | 5621.438 | 24.08 | 40.27 | 64.35 | 68.30 | -3.95 | peak |
| 4 | 5650.688 | 24.01 | 40.28 | 64.29 | 68.81 | -4.52 | peak |
| 5 | 5725.000 | 25.09 | 40.31 | 65.40 | 122.30 | -56.90 | peak |
| 6 | 5742.938 | 68.15 | 40.32 | 108.47 | 122.30 | -13.83 | peak |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5785 MHz |



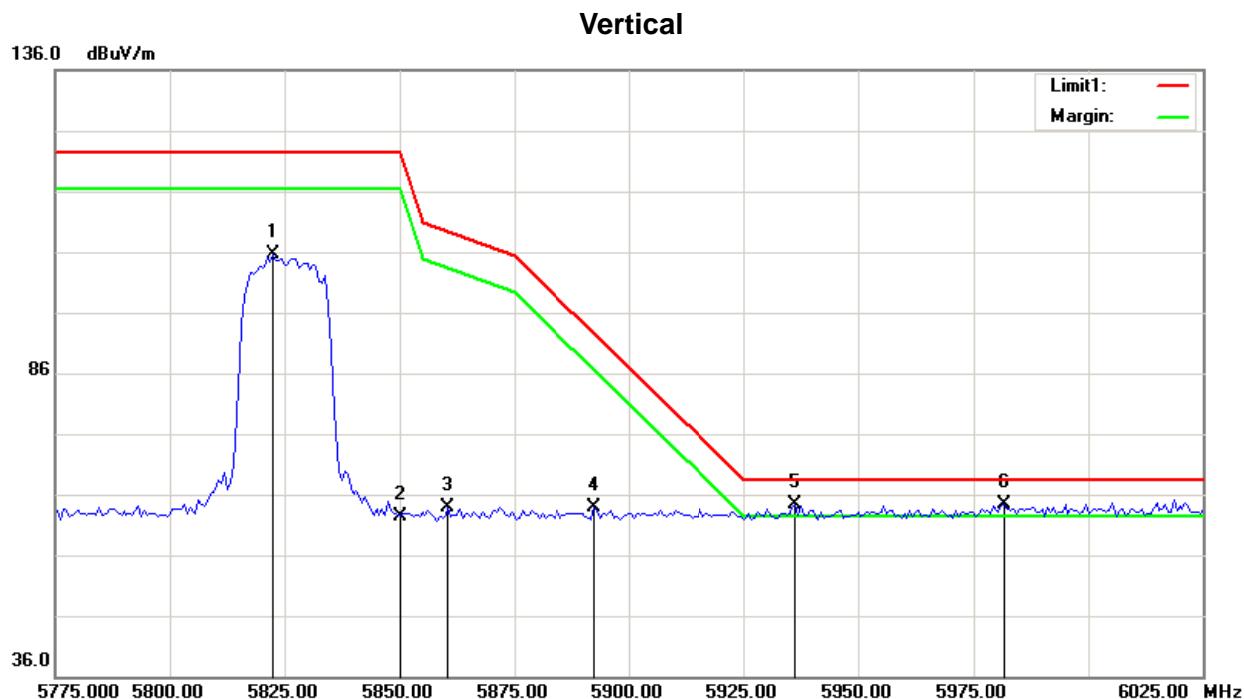
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5610.563 | 24.84 | 40.27 | 65.11 | 68.30 | -3.19 | peak |
| 2 | 5654.500 | 24.03 | 40.29 | 64.32 | 71.63 | -7.31 | peak |
| 3 | 5725.000 | 21.42 | 40.31 | 61.73 | 122.30 | -60.57 | peak |
| 4 | 5783.938 | 65.54 | 40.34 | 105.88 | 122.30 | -16.42 | peak |
| 5 | 5850.000 | 21.69 | 40.37 | 62.06 | 122.30 | -60.24 | peak |
| 6 | 5938.313 | 24.71 | 40.40 | 65.11 | 68.30 | -3.19 | peak |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5785 MHz |



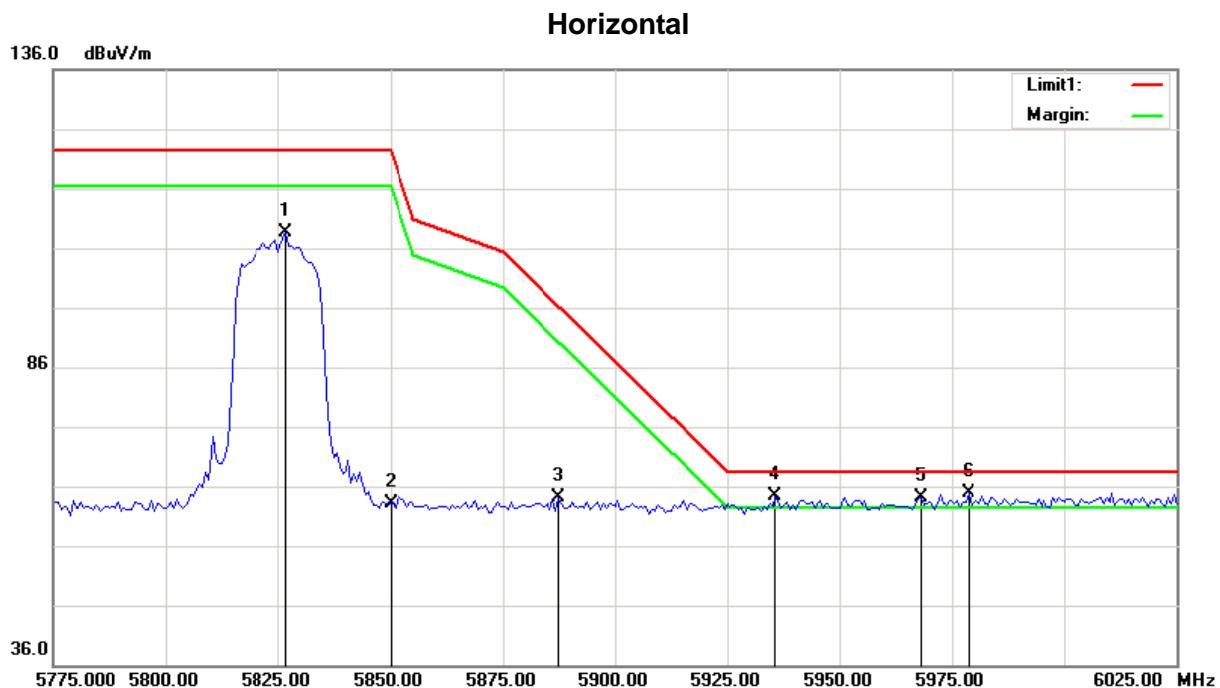
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|----------------------|-----------------|----------------|-------------|--------|
| 1 | 5660.438 | 23.41 | 40.29 | 63.70 | 76.02 | -12.32 | peak |
| 2 | 5725.000 | 22.27 | 40.31 | 62.58 | 122.30 | -59.72 | peak |
| 3 | 5783.938 | 67.24 | 40.34 | 107.58 | 122.30 | -14.72 | peak |
| 4 | 5850.000 | 23.32 | 40.37 | 63.69 | 122.30 | -58.61 | peak |
| 5 | 5937.125 | 24.06 | 40.41 | 64.47 | 68.30 | -3.83 | peak |
| 6 | 5977.500 | 25.13 | 40.42 | 65.55 | 68.30 | -2.75 | peak |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5825 MHz |



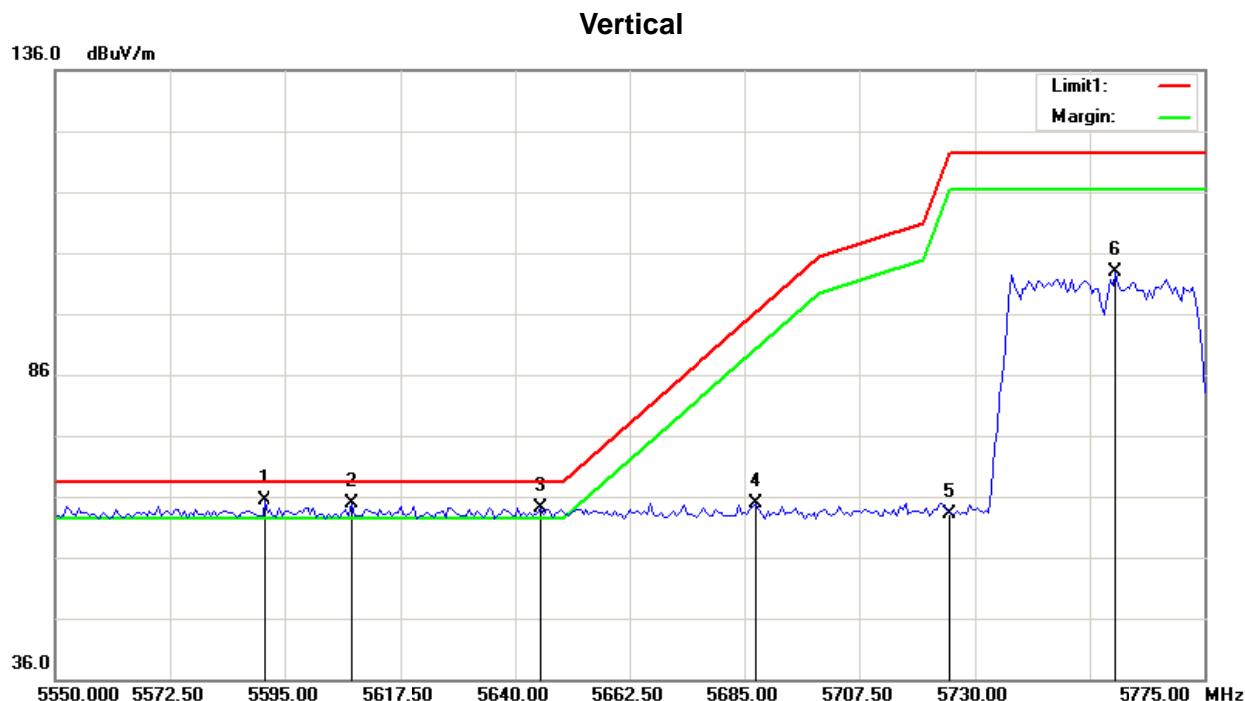
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5822.500 | 65.16 | 40.35 | 105.51 | 122.30 | -16.79 | peak |
| 2 | 5850.000 | 22.00 | 40.37 | 62.37 | 122.30 | -59.93 | peak |
| 3 | 5860.625 | 23.38 | 40.38 | 63.76 | 109.32 | -45.56 | peak |
| 4 | 5892.500 | 23.39 | 40.38 | 63.77 | 92.35 | -28.58 | peak |
| 5 | 5936.250 | 24.07 | 40.41 | 64.48 | 68.30 | -3.82 | peak |
| 6 | 5981.875 | 23.95 | 40.42 | 64.37 | 68.30 | -3.93 | peak |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5825 MHz |



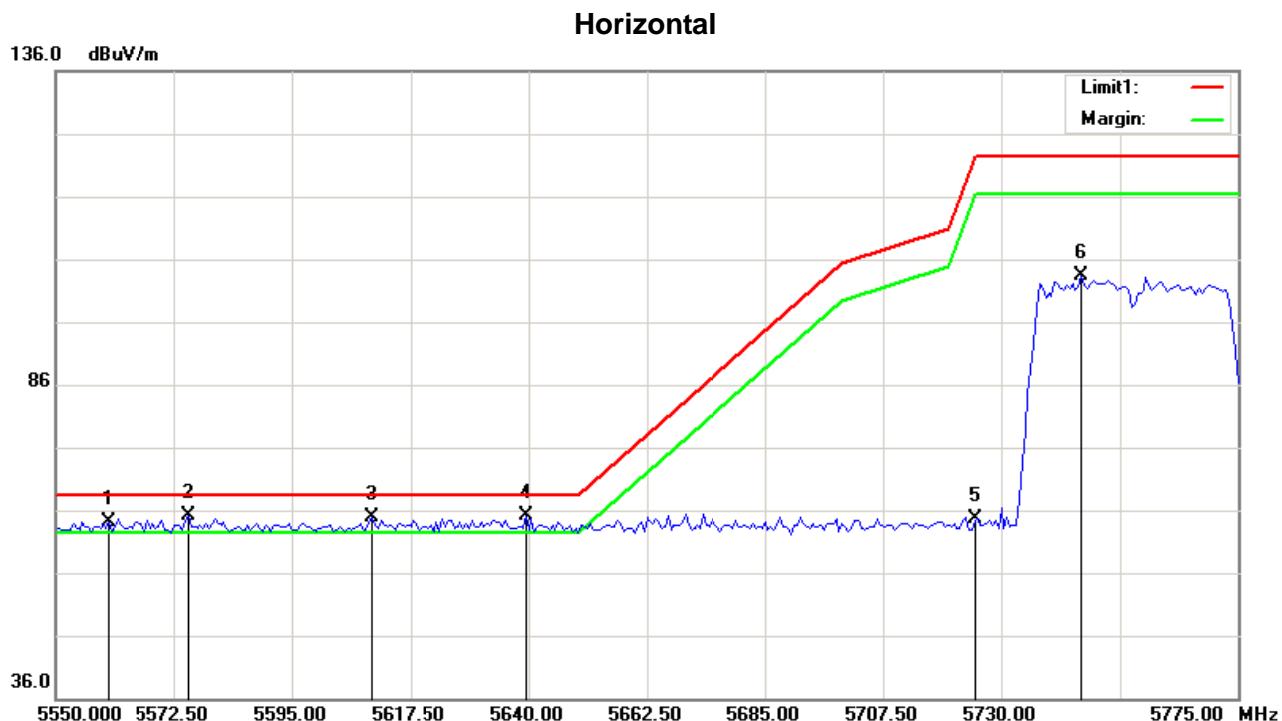
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5826.875 | 68.15 | 40.36 | 108.51 | 122.30 | -13.79 | peak |
| 2 | 5850.000 | 22.66 | 40.37 | 63.03 | 122.30 | -59.27 | peak |
| 3 | 5887.500 | 23.63 | 40.38 | 64.01 | 96.05 | -32.04 | peak |
| 4 | 5935.625 | 23.90 | 40.41 | 64.31 | 68.30 | -3.99 | peak |
| 5 | 5968.125 | 23.62 | 40.41 | 64.03 | 68.30 | -4.27 | peak |
| 6 | 5978.750 | 24.53 | 40.42 | 64.95 | 68.30 | -3.35 | peak |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT40) Mode 5755 MHz |



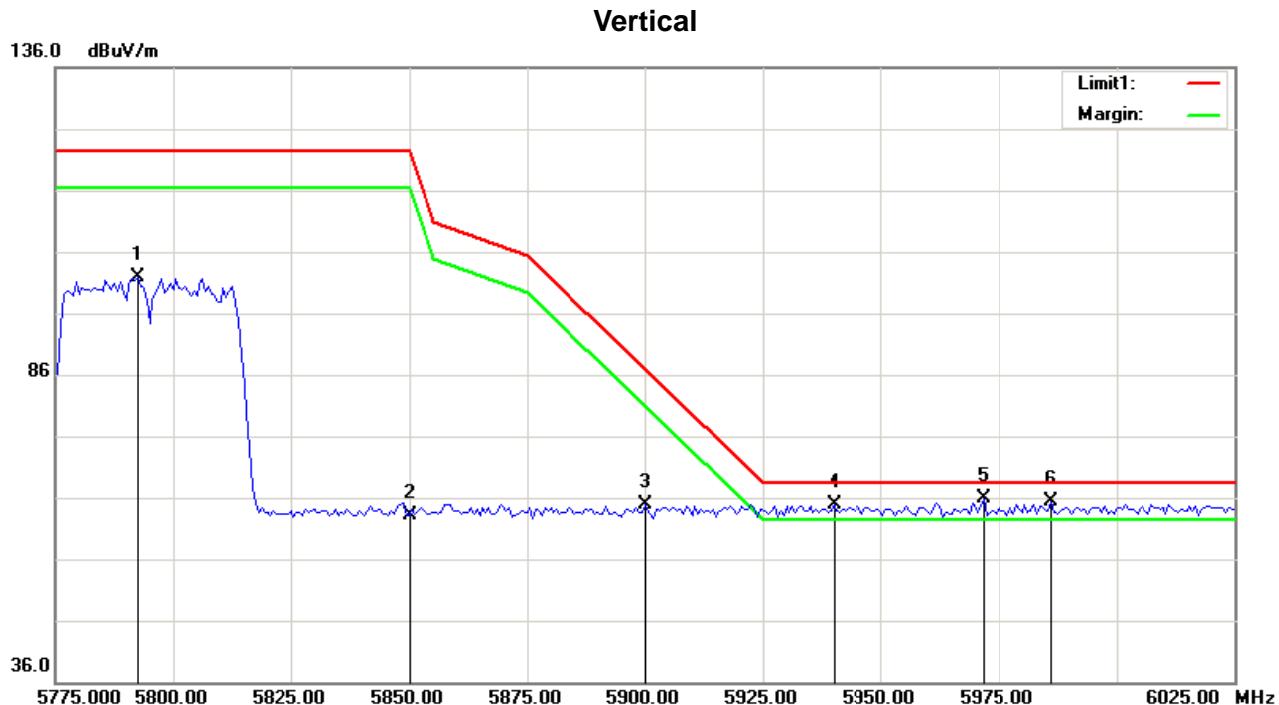
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5591.063 | 25.10 | 40.25 | 65.35 | 68.30 | -2.95 | peak |
| 2 | 5607.938 | 24.58 | 40.27 | 64.85 | 68.30 | -3.45 | peak |
| 3 | 5645.063 | 23.96 | 40.28 | 64.24 | 68.30 | -4.06 | peak |
| 4 | 5687.250 | 24.52 | 40.30 | 64.82 | 95.86 | -31.04 | peak |
| 5 | 5725.000 | 22.81 | 40.31 | 63.12 | 122.30 | -59.18 | peak |
| 6 | 5757.563 | 62.50 | 40.33 | 102.83 | 122.30 | -19.47 | peak |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT40) Mode 5755 MHz |



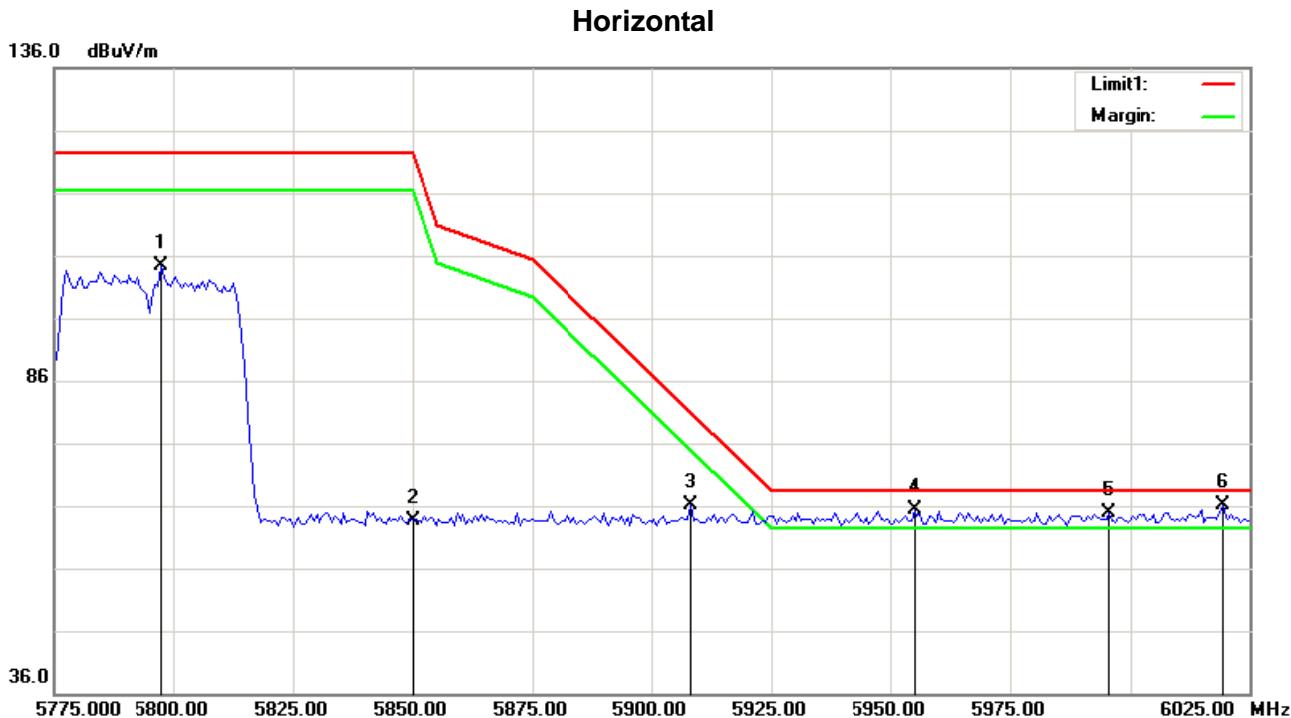
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5560.125 | 23.87 | 40.25 | 64.12 | 68.30 | -4.18 | peak |
| 2 | 5575.313 | 24.99 | 40.25 | 65.24 | 68.30 | -3.06 | peak |
| 3 | 5610.188 | 24.59 | 40.27 | 64.86 | 68.30 | -3.44 | peak |
| 4 | 5639.438 | 24.98 | 40.27 | 65.25 | 68.30 | -3.05 | peak |
| 5 | 5725.000 | 24.26 | 40.31 | 64.57 | 122.30 | -57.73 | peak |
| 6 | 5745.188 | 63.04 | 40.32 | 103.36 | 122.30 | -18.94 | peak |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT40) Mode 5795 MHz |



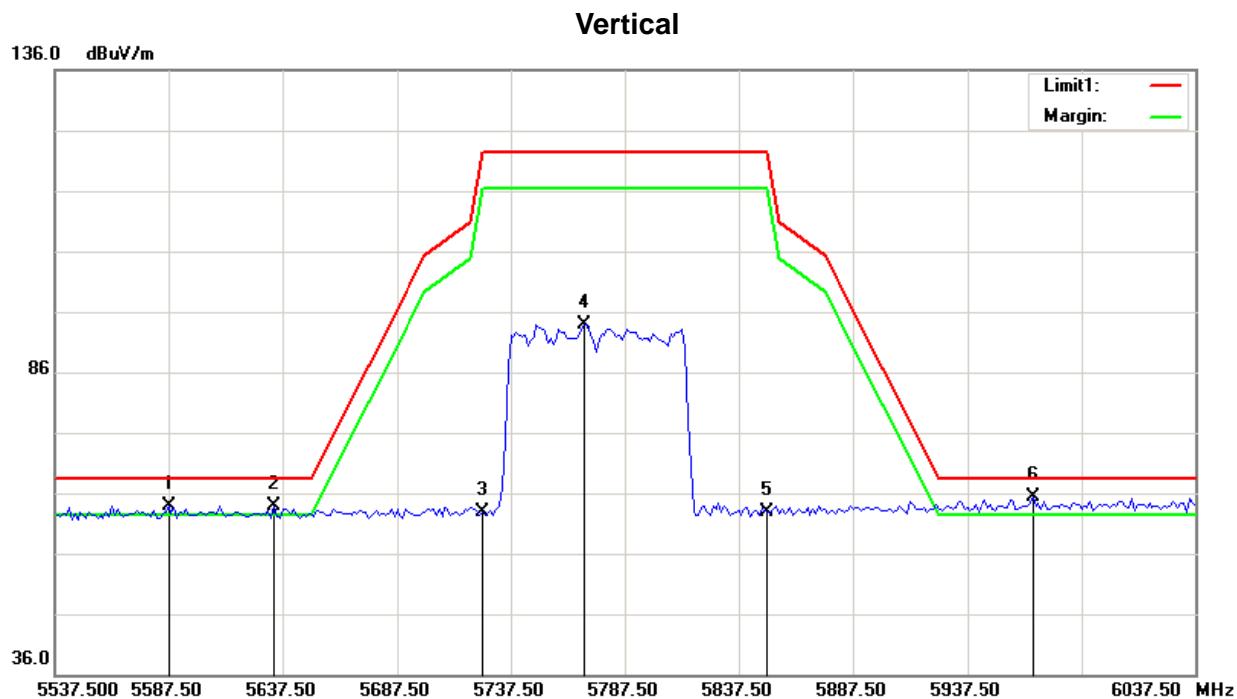
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5792.500 | 61.43 | 40.34 | 101.77 | 122.30 | -20.53 | peak |
| 2 | 5850.000 | 22.84 | 40.37 | 63.21 | 122.30 | -59.09 | peak |
| 3 | 5900.000 | 24.54 | 40.39 | 64.93 | 86.80 | -21.87 | peak |
| 4 | 5940.000 | 24.46 | 40.40 | 64.86 | 68.30 | -3.44 | peak |
| 5 | 5971.875 | 25.47 | 40.42 | 65.89 | 68.30 | -2.41 | peak |
| 6 | 5986.250 | 24.88 | 40.43 | 65.31 | 68.30 | -2.99 | peak |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT40) Mode 5795 MHz |



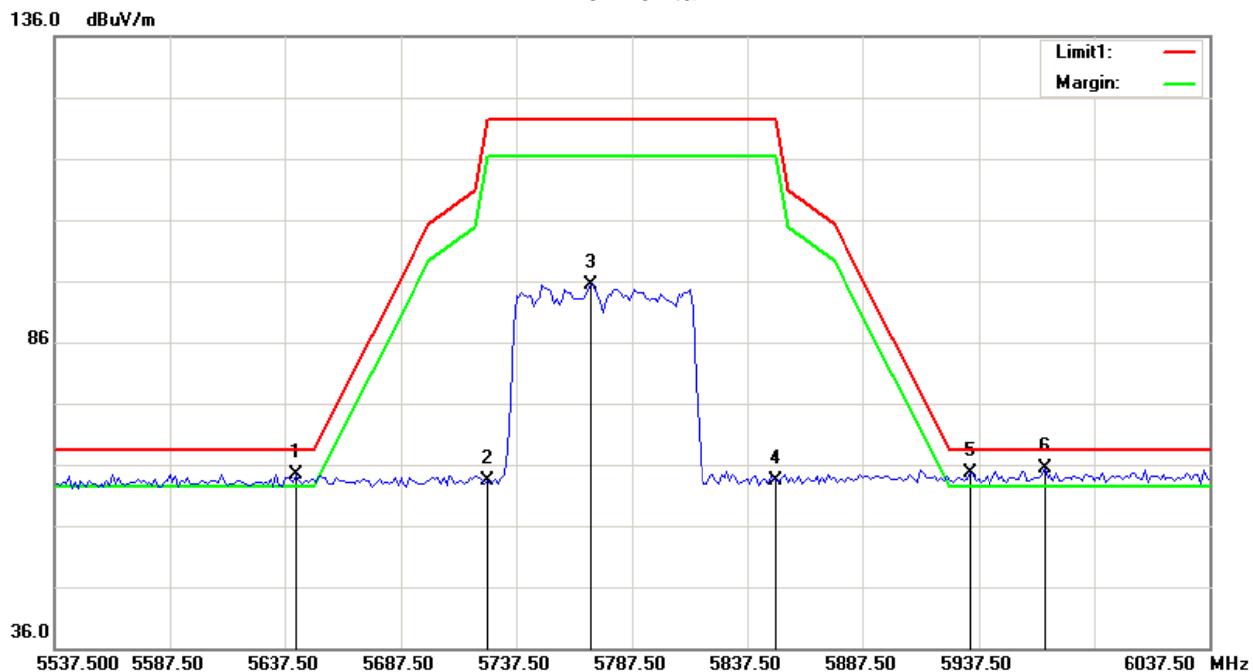
| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|----------|--------------|----------|----------|--------|--------|
| | (MHz) | (dBuV/m) | Factor(dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5797.500 | 64.02 | 40.34 | 104.36 | 122.30 | -17.94 | peak |
| 2 | 5850.000 | 23.21 | 40.37 | 63.58 | 122.30 | -58.72 | peak |
| 3 | 5908.125 | 25.71 | 40.39 | 66.10 | 80.79 | -14.69 | peak |
| 4 | 5955.000 | 24.92 | 40.41 | 65.33 | 68.30 | -2.97 | peak |
| 5 | 5995.625 | 24.33 | 40.43 | 64.76 | 68.30 | -3.54 | peak |
| 6 | 6019.375 | 25.49 | 40.53 | 66.02 | 68.30 | -2.28 | peak |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT80) Mode 5775 MHz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|----------|--------------|----------|----------|--------|--------|
| | (MHz) | (dBuV/m) | Factor(dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5587.500 | 23.75 | 40.25 | 64.00 | 68.30 | -4.30 | peak |
| 2 | 5633.750 | 23.56 | 40.28 | 63.84 | 68.30 | -4.46 | peak |
| 3 | 5725.000 | 22.56 | 40.31 | 62.87 | 122.30 | -59.43 | peak |
| 4 | 5770.000 | 53.52 | 40.33 | 93.85 | 122.30 | -28.45 | peak |
| 5 | 5850.000 | 22.40 | 40.37 | 62.77 | 122.30 | -59.53 | peak |
| 6 | 5966.250 | 24.86 | 40.41 | 65.27 | 68.30 | -3.03 | peak |

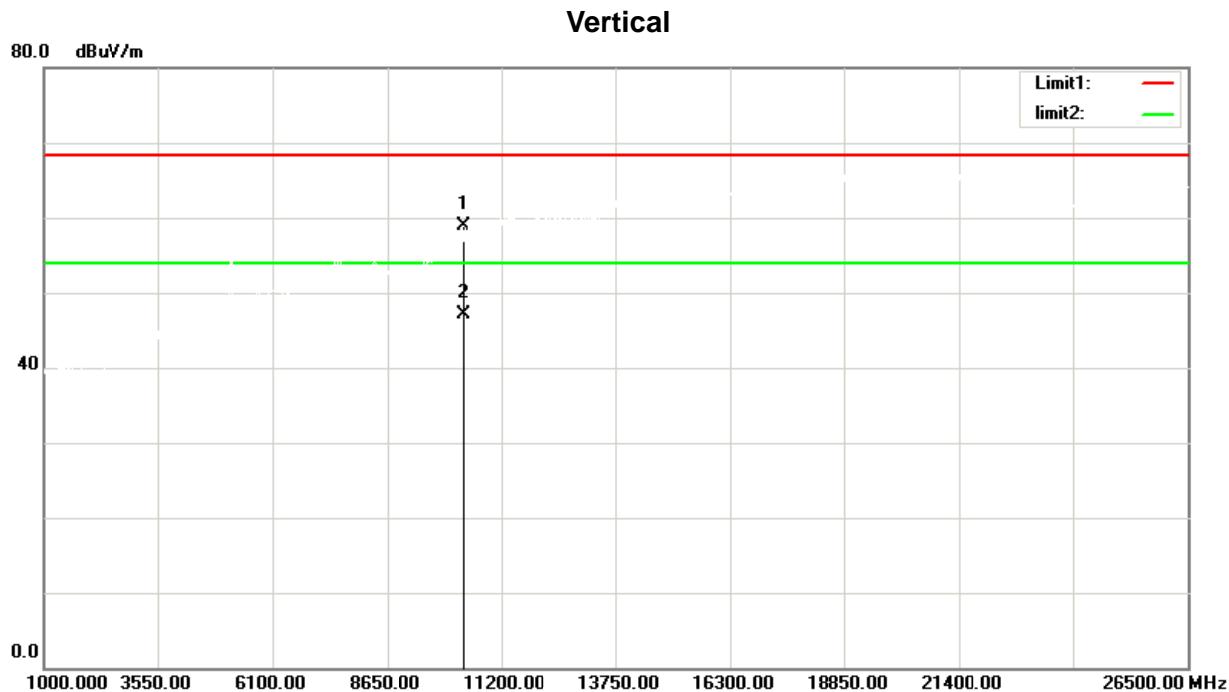
| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT80) Mode 5775 MHz |

Horizontal

| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 5642.500 | 24.17 | 40.28 | 64.45 | 68.30 | -3.85 | peak |
| 2 | 5725.000 | 23.06 | 40.31 | 63.37 | 122.30 | -58.93 | peak |
| 3 | 5770.000 | 55.02 | 40.33 | 95.35 | 122.30 | -26.95 | peak |
| 4 | 5850.000 | 22.90 | 40.37 | 63.27 | 122.30 | -59.03 | peak |
| 5 | 5933.750 | 24.31 | 40.41 | 64.72 | 68.30 | -3.58 | peak |
| 6 | 5966.250 | 24.86 | 40.41 | 65.27 | 68.30 | -3.03 | peak |

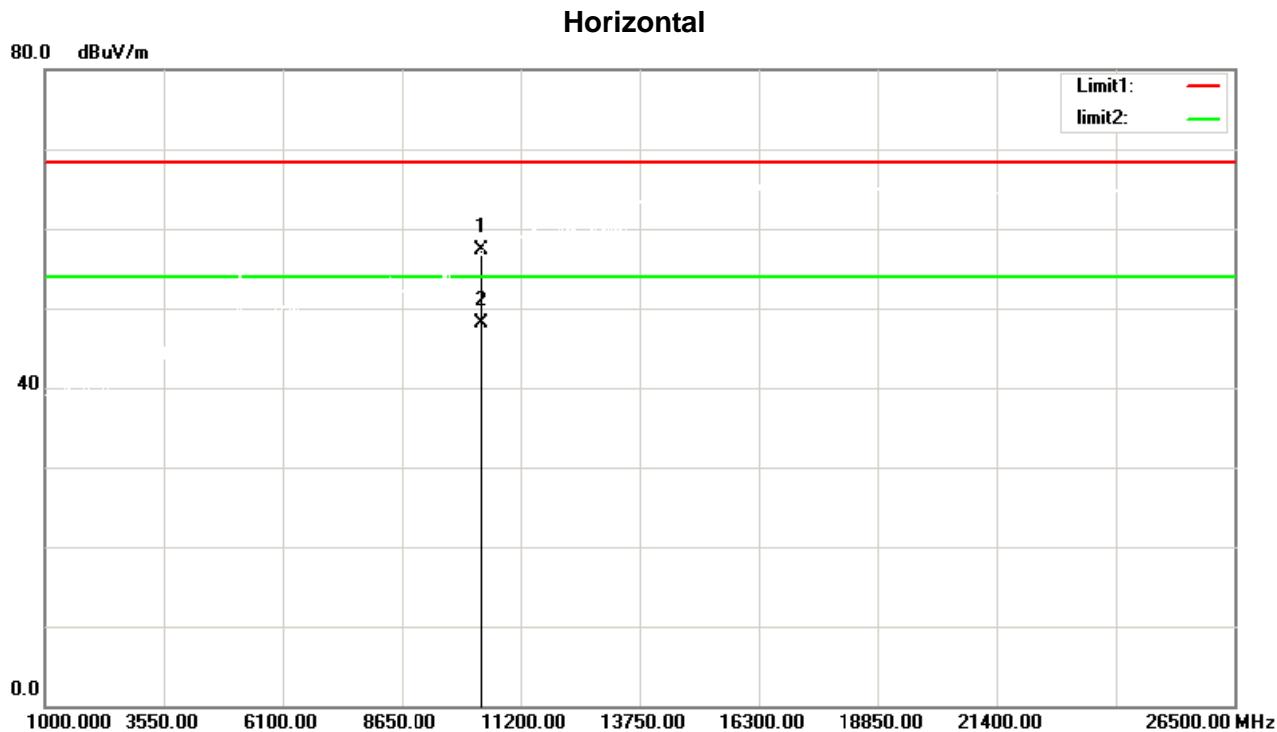
5.9 TEST RESULTS - ABOVE1000 MHz (HARMONIC)

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX A Mode 5180 MHz |



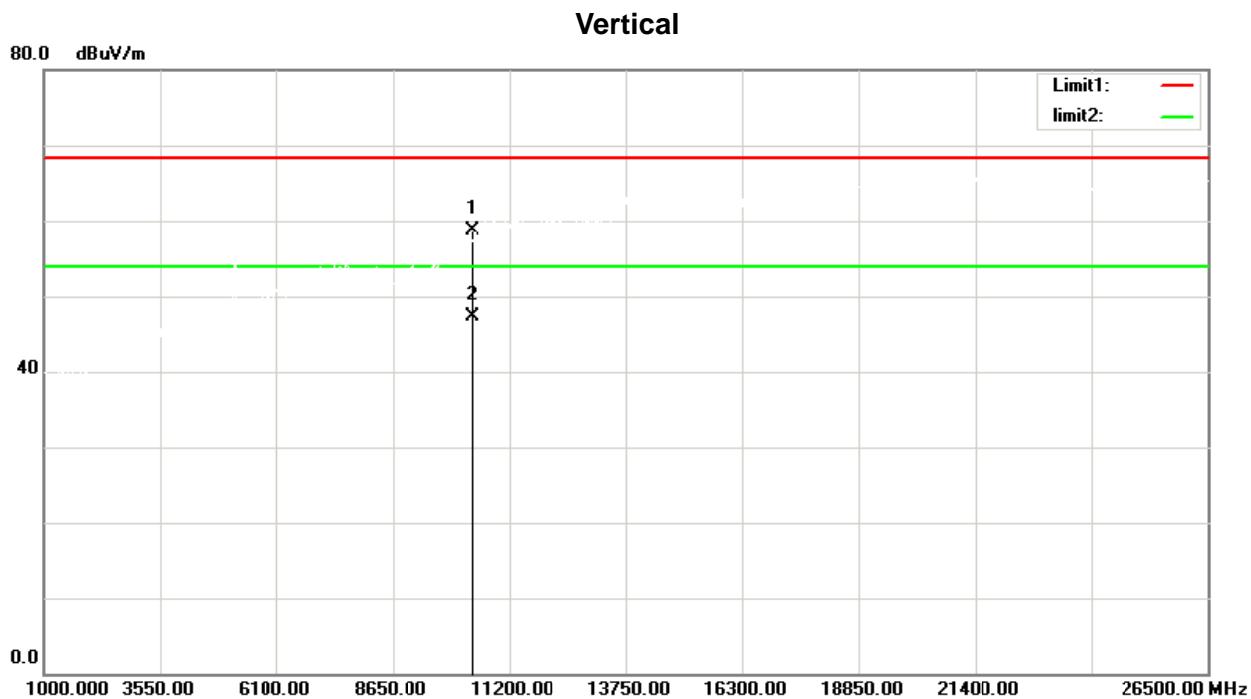
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10360.000 | 46.45 | 12.43 | 58.88 | 68.30 | -9.42 | peak |
| 2 | 10360.000 | 34.70 | 12.43 | 47.13 | 54.00 | -6.87 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX A Mode 5180 MHz |



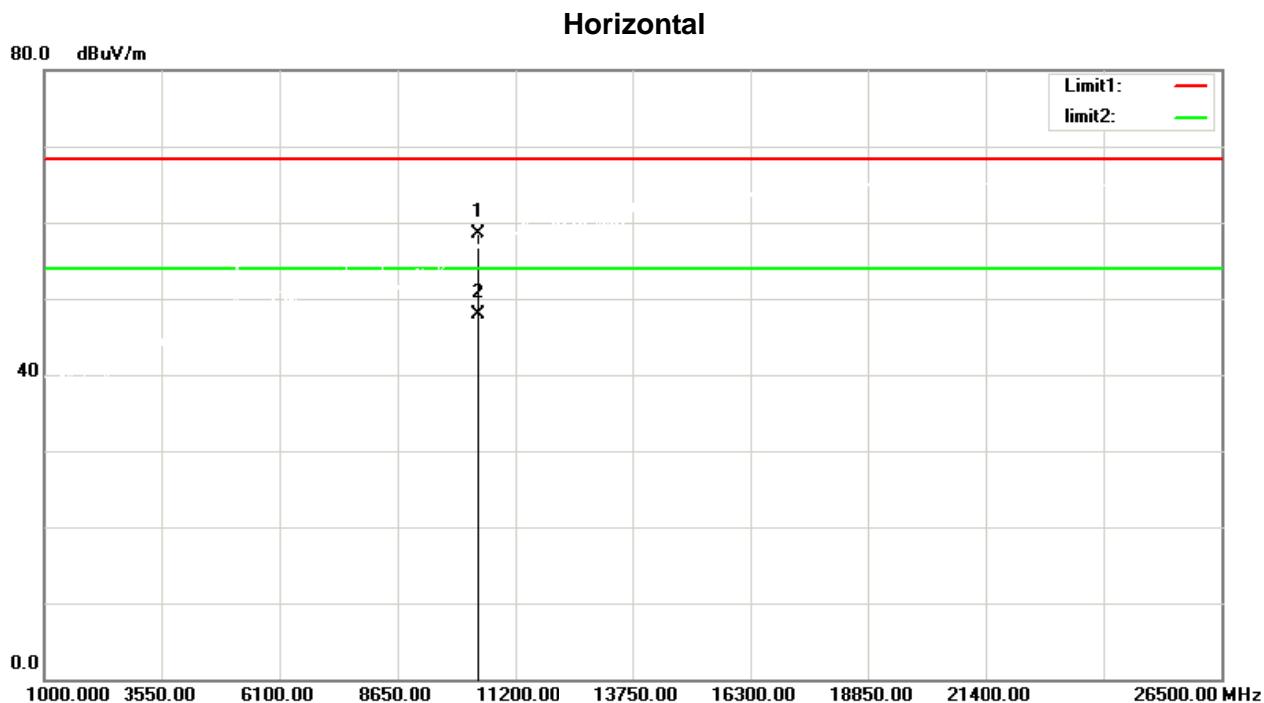
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10360.000 | 44.81 | 12.43 | 57.24 | 68.30 | -11.06 | peak |
| 2 | 10360.000 | 35.70 | 12.43 | 48.13 | 54.00 | -5.87 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX A Mode 5200 MHz |



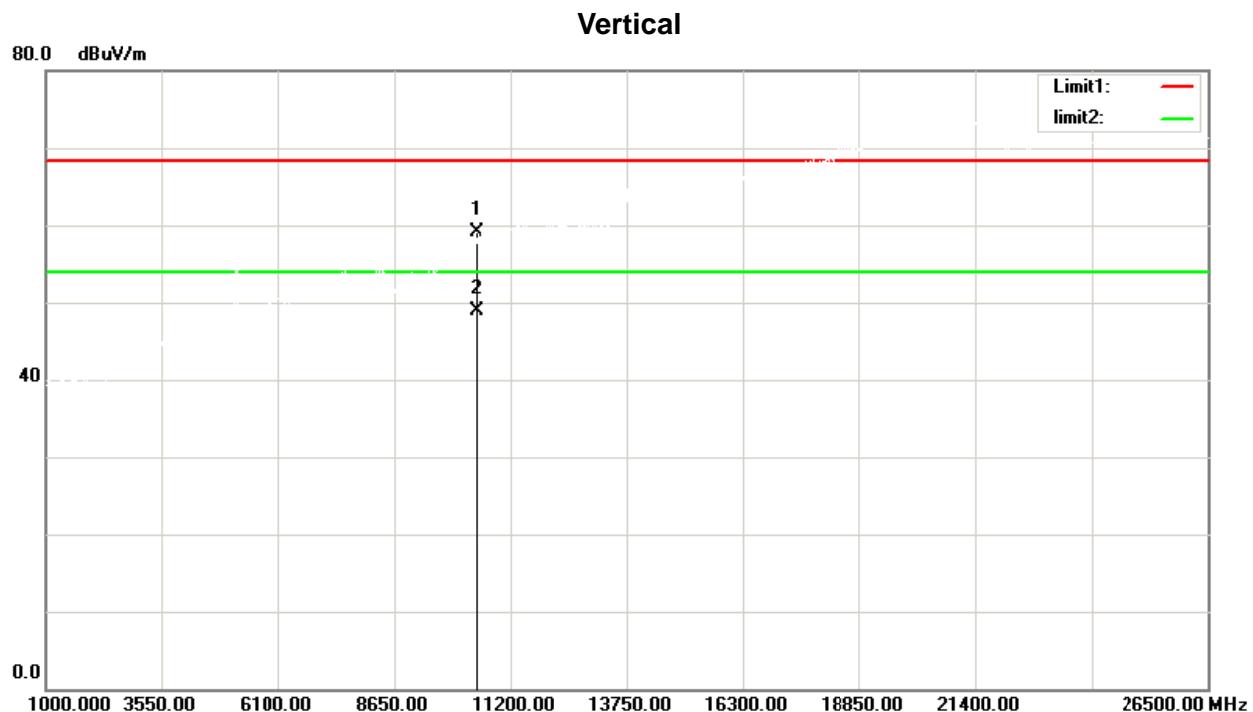
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10400.000 | 46.20 | 12.58 | 58.78 | 68.30 | -9.52 | peak |
| 2 | 10400.000 | 34.76 | 12.58 | 47.34 | 54.00 | -6.66 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX A Mode 5200 MHz |



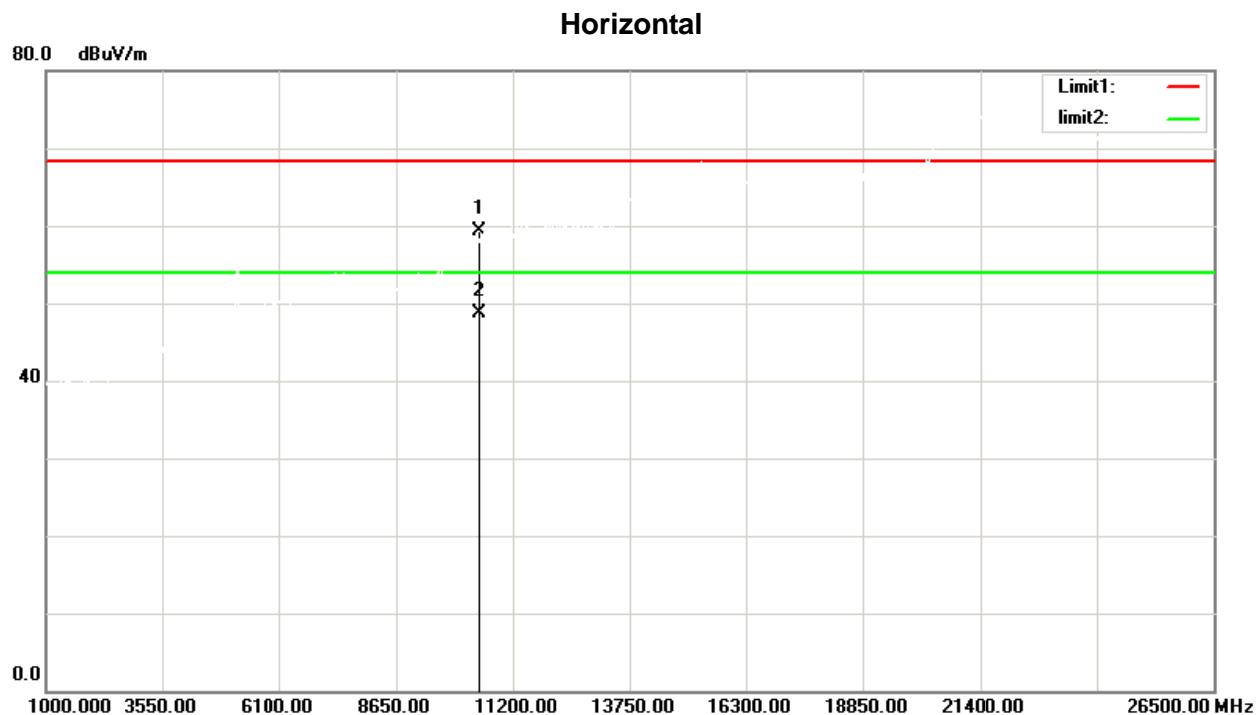
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10400.000 | 45.90 | 12.58 | 58.48 | 68.30 | -9.82 | peak |
| 2 | 10400.000 | 35.23 | 12.58 | 47.81 | 54.00 | -6.19 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX A Mode 5240 MHz |



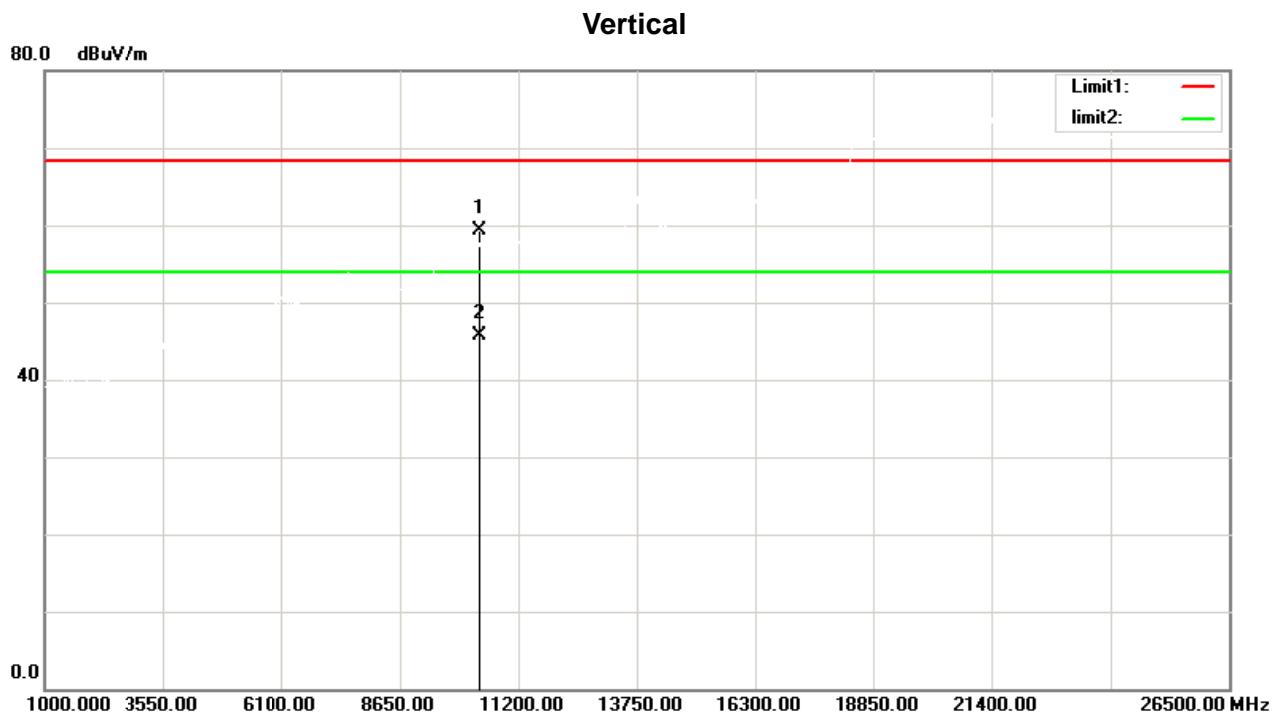
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10480.100 | 46.12 | 12.90 | 59.02 | 68.30 | -9.28 | peak |
| 2 | 10480.100 | 35.91 | 12.90 | 48.81 | 54.00 | -5.19 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX A Mode 5240 MHz |



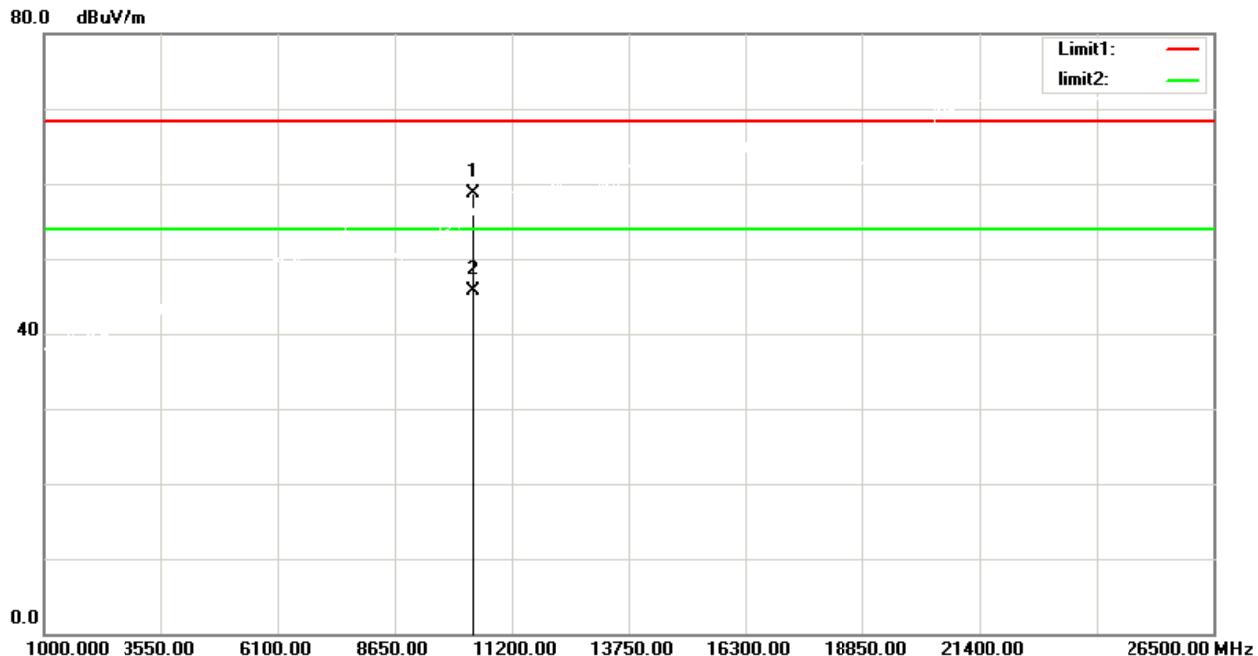
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10480.150 | 46.40 | 12.90 | 59.30 | 68.30 | -9.00 | peak |
| 2 | 10480.150 | 35.88 | 12.90 | 48.78 | 54.00 | -5.22 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT20) Mode 5180 MHz |



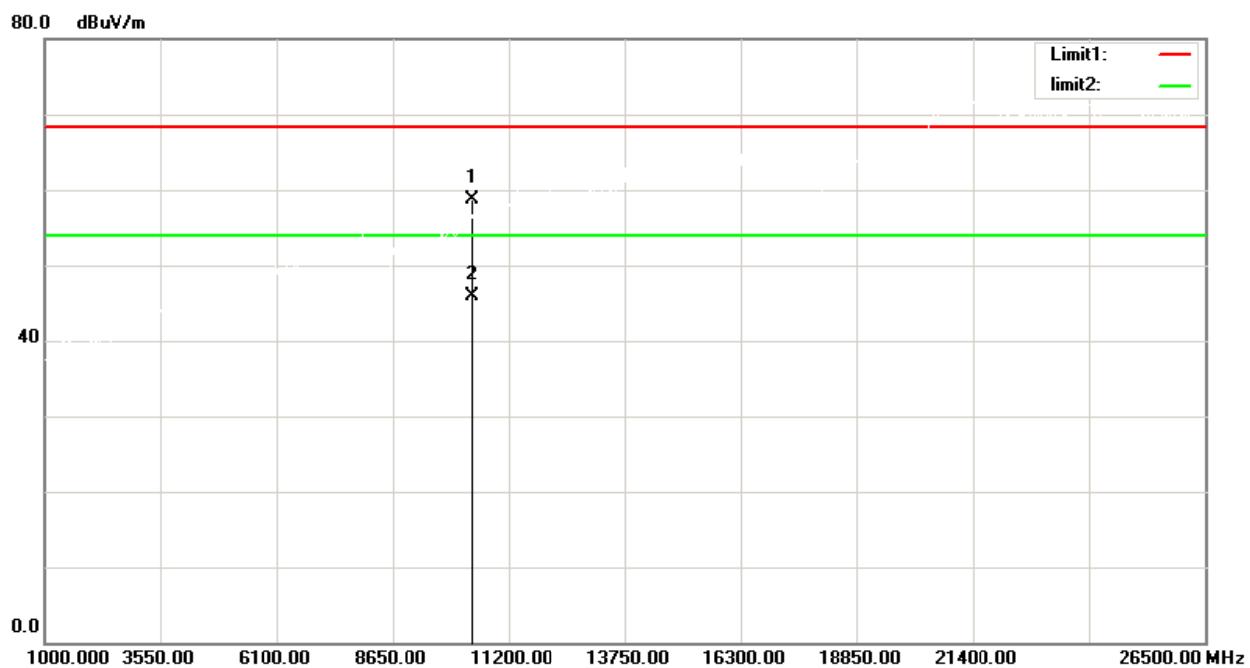
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10365.750 | 46.89 | 12.45 | 59.34 | 68.30 | -8.96 | peak |
| 2 | 10365.750 | 33.17 | 12.45 | 45.62 | 54.00 | -8.38 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT20) Mode 5180 MHz |

Horizontal

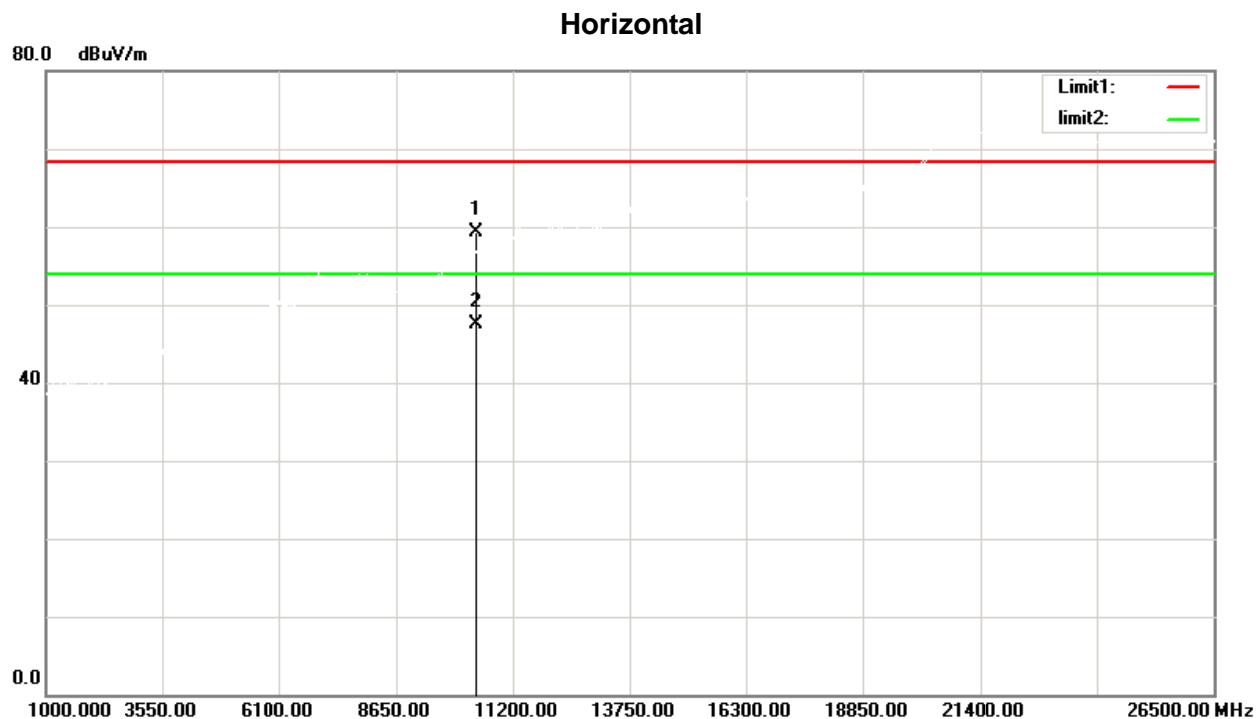
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10365.750 | 46.28 | 12.45 | 58.73 | 68.30 | -9.57 | peak |
| 2 | 10365.750 | 33.22 | 12.45 | 45.67 | 54.00 | -8.33 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT20) Mode 5200 MHz |

Vertical

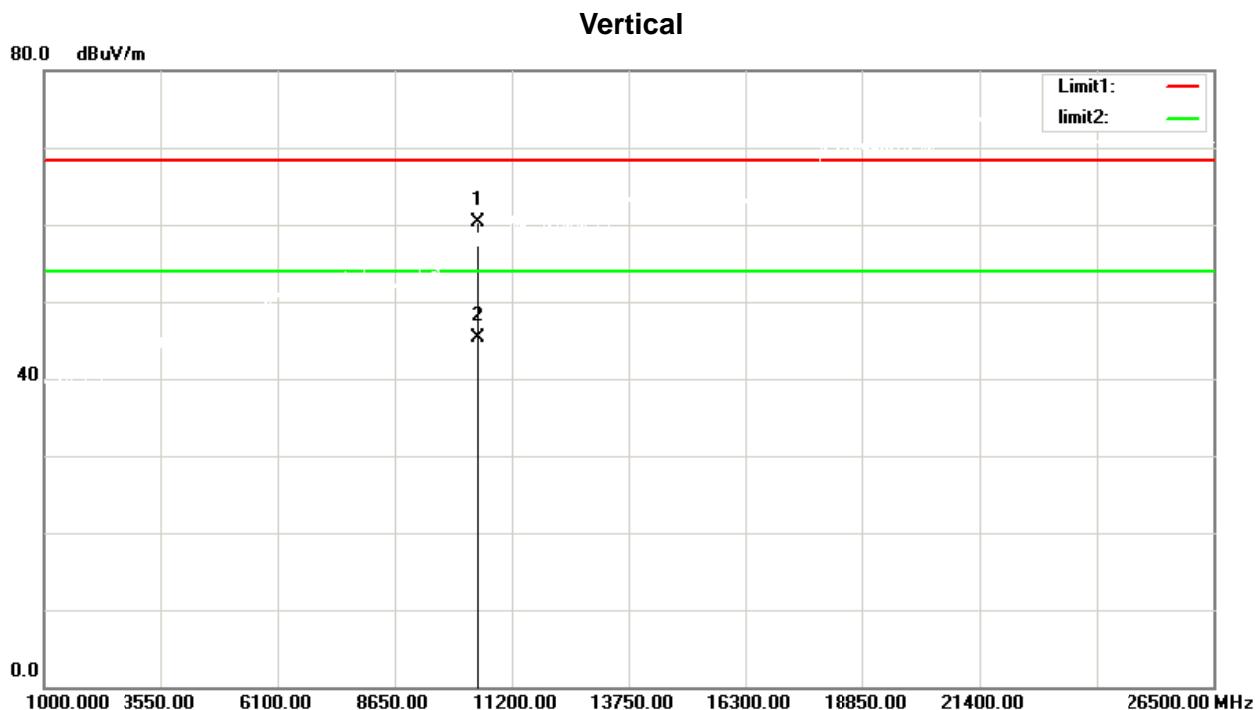
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10409.600 | 46.11 | 12.62 | 58.73 | 68.30 | -9.57 | peak |
| 2 | 10409.600 | 33.35 | 12.62 | 45.97 | 54.00 | -8.03 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT20) Mode 5200 MHz |



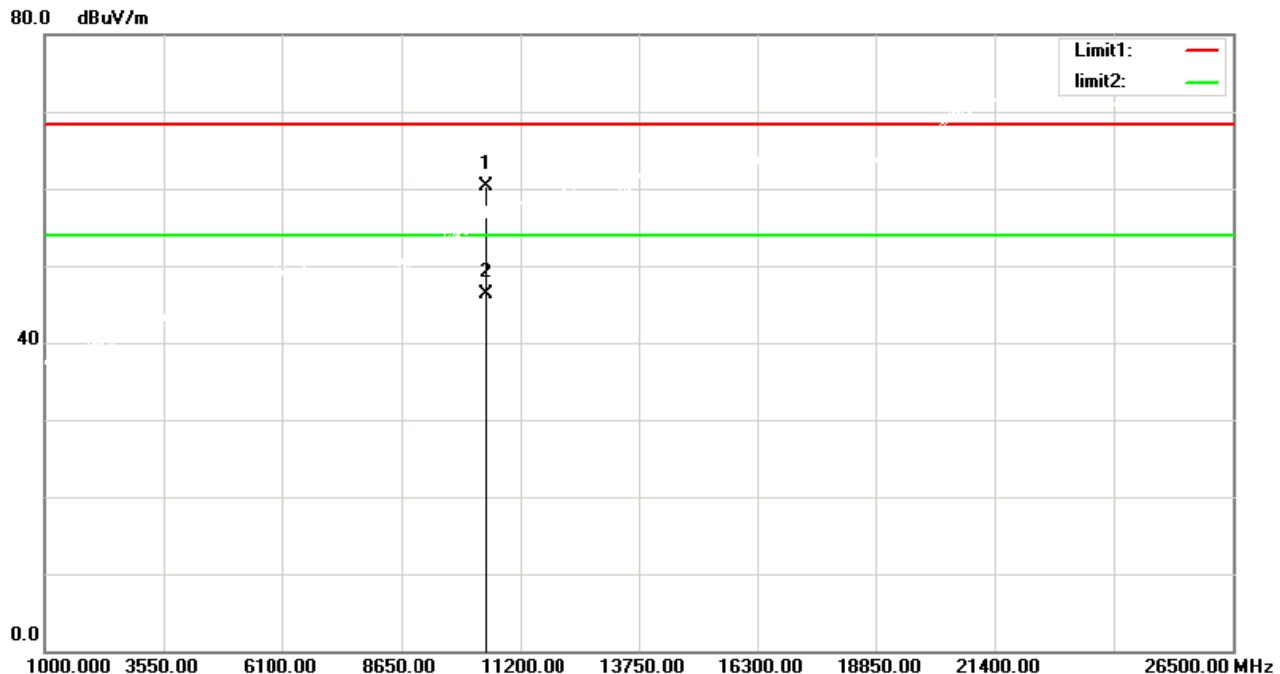
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10400.000 | 46.76 | 12.58 | 59.34 | 68.30 | -8.96 | peak |
| 2 | 10400.000 | 34.98 | 12.58 | 47.56 | 54.00 | -6.44 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT20) Mode 5240 MHz |



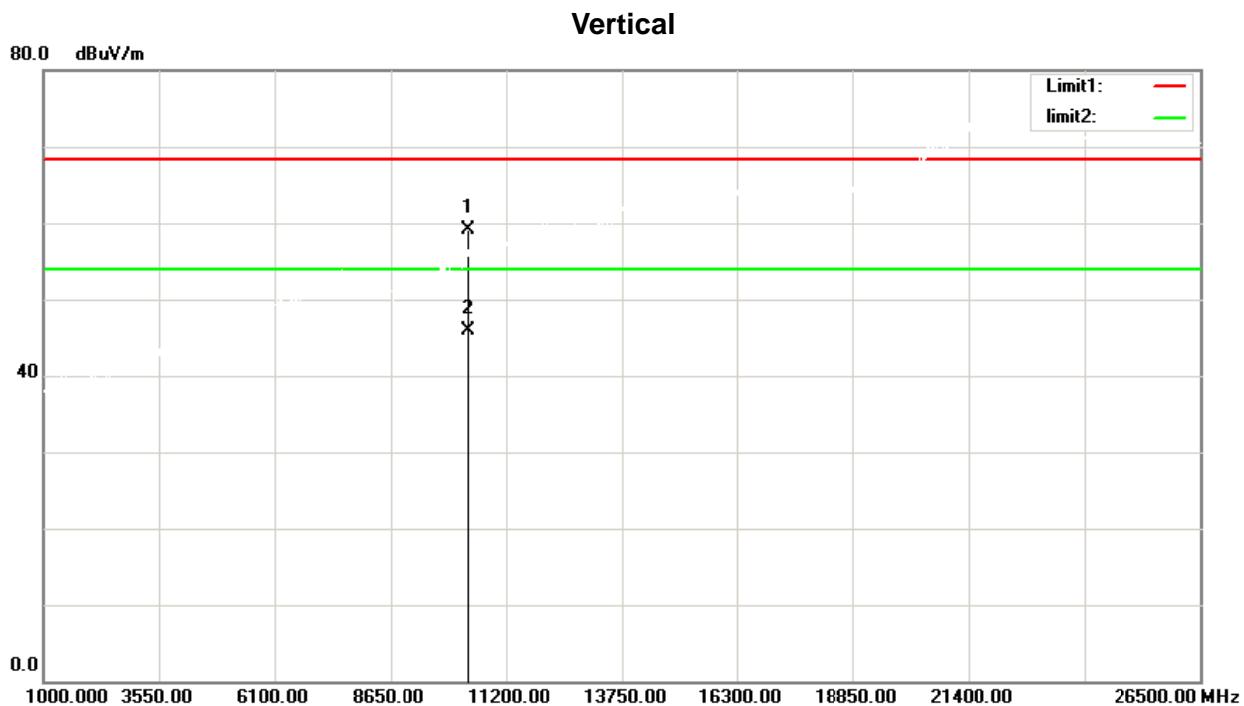
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10475.690 | 47.47 | 12.87 | 60.34 | 68.30 | -7.96 | peak |
| 2 | 10475.690 | 32.50 | 12.87 | 45.37 | 54.00 | -8.63 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT20) Mode 5240 MHz |

Horizontal

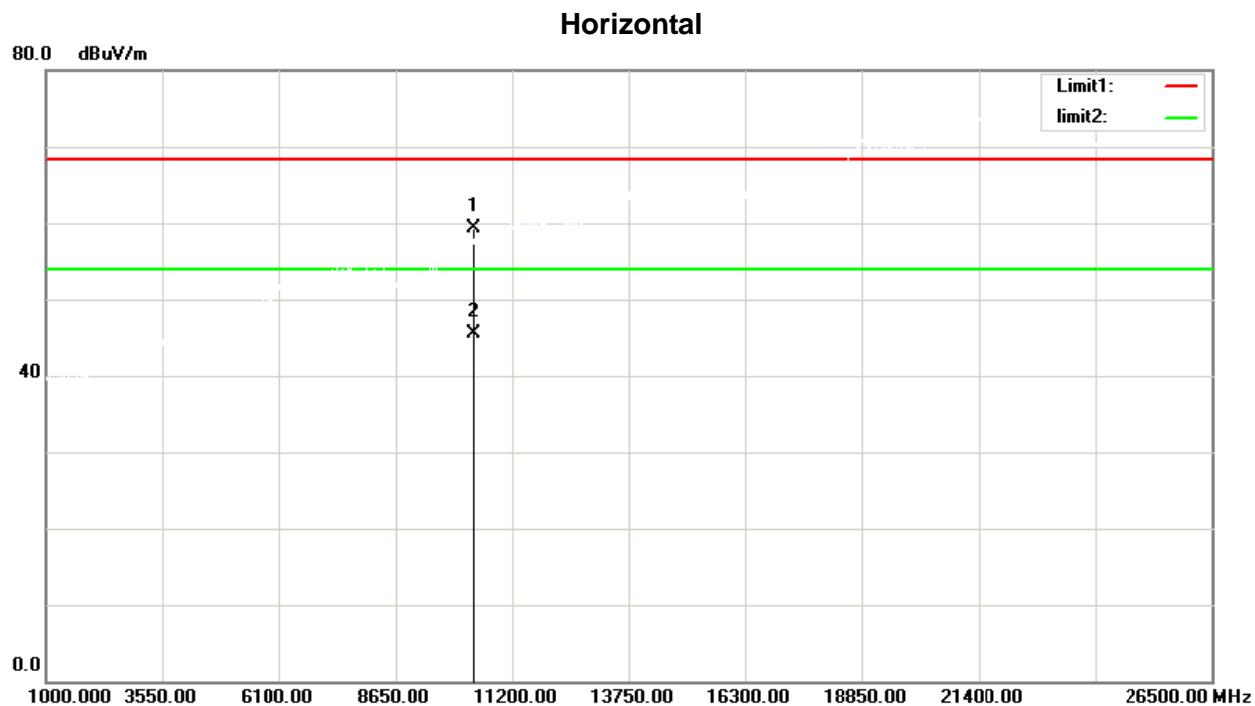
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10475.680 | 47.43 | 12.87 | 60.30 | 68.30 | -8.00 | peak |
| 2 | 10475.680 | 33.51 | 12.87 | 46.38 | 54.00 | -7.62 | AVG |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT40) Mode 5190 MHz |



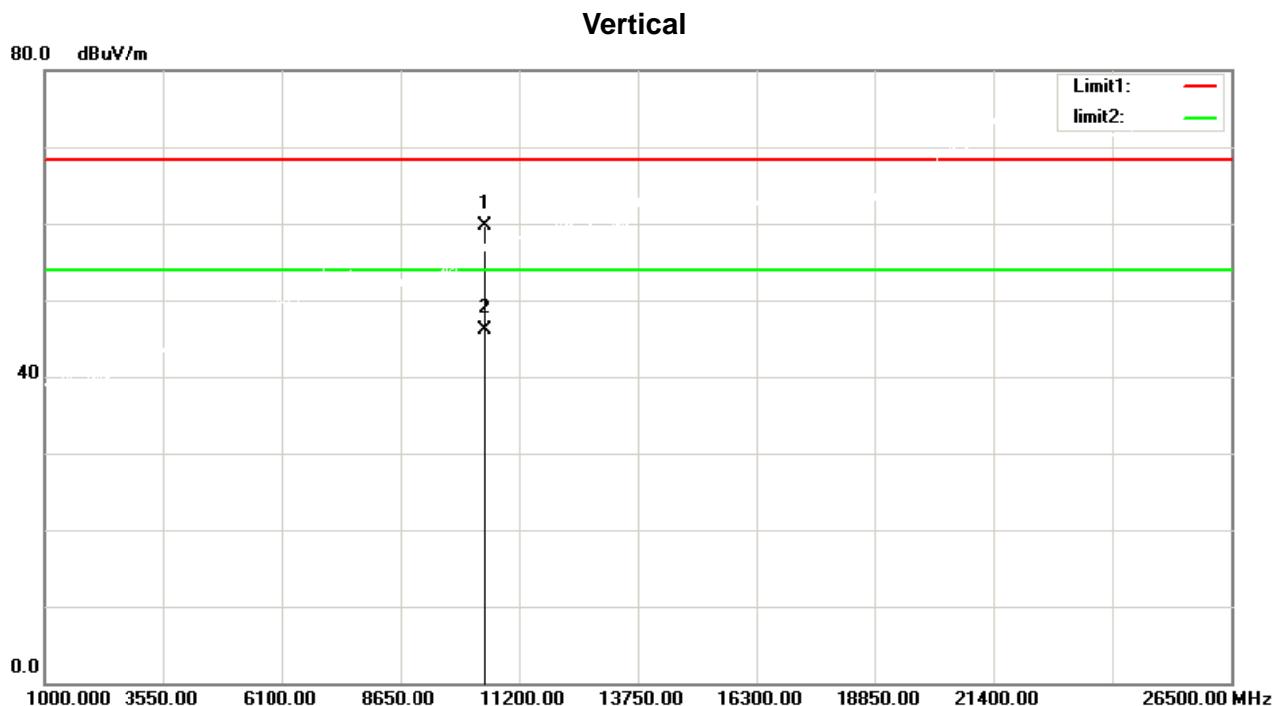
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10382.250 | 46.50 | 12.51 | 59.01 | 68.30 | -9.29 | peak |
| 2 | 10382.250 | 33.34 | 12.51 | 45.85 | 54.00 | -8.15 | AVG |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT40) Mode 5190 MHz |



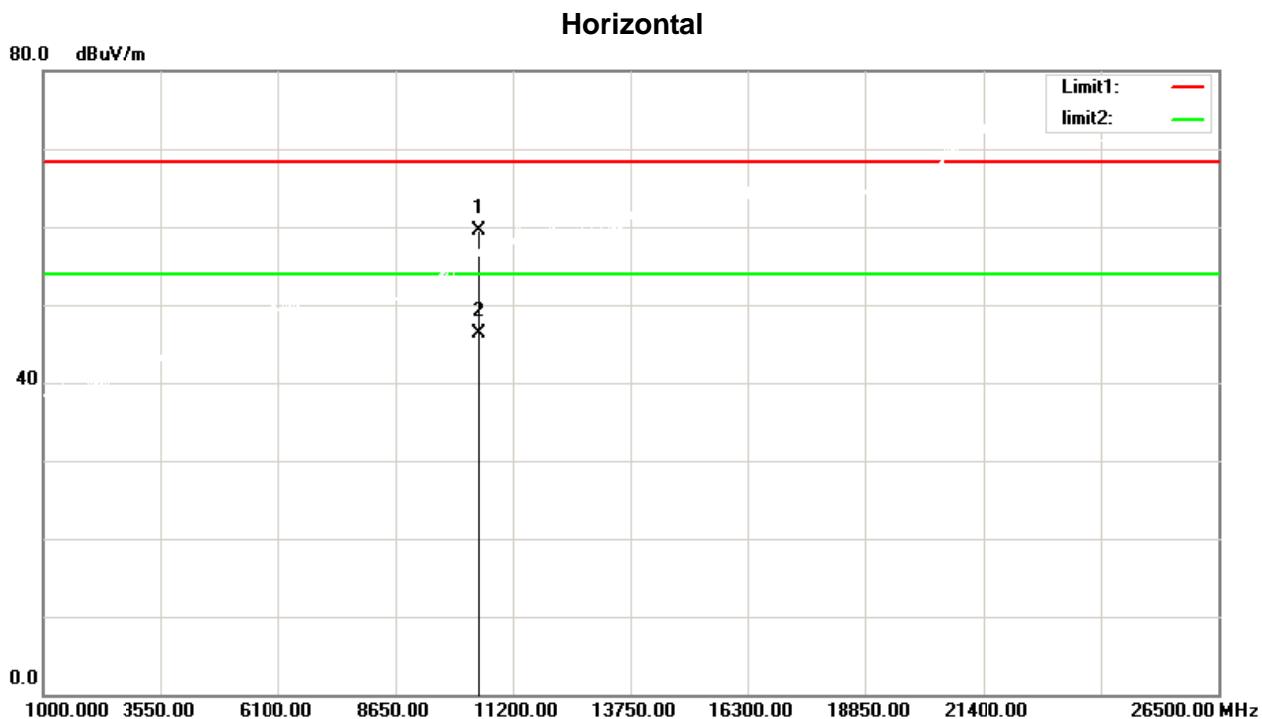
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10380.000 | 46.79 | 12.51 | 59.30 | 68.30 | -9.00 | peak |
| 2 | 10380.000 | 33.02 | 12.51 | 45.53 | 54.00 | -8.47 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT40) Mode 5230 MHz |



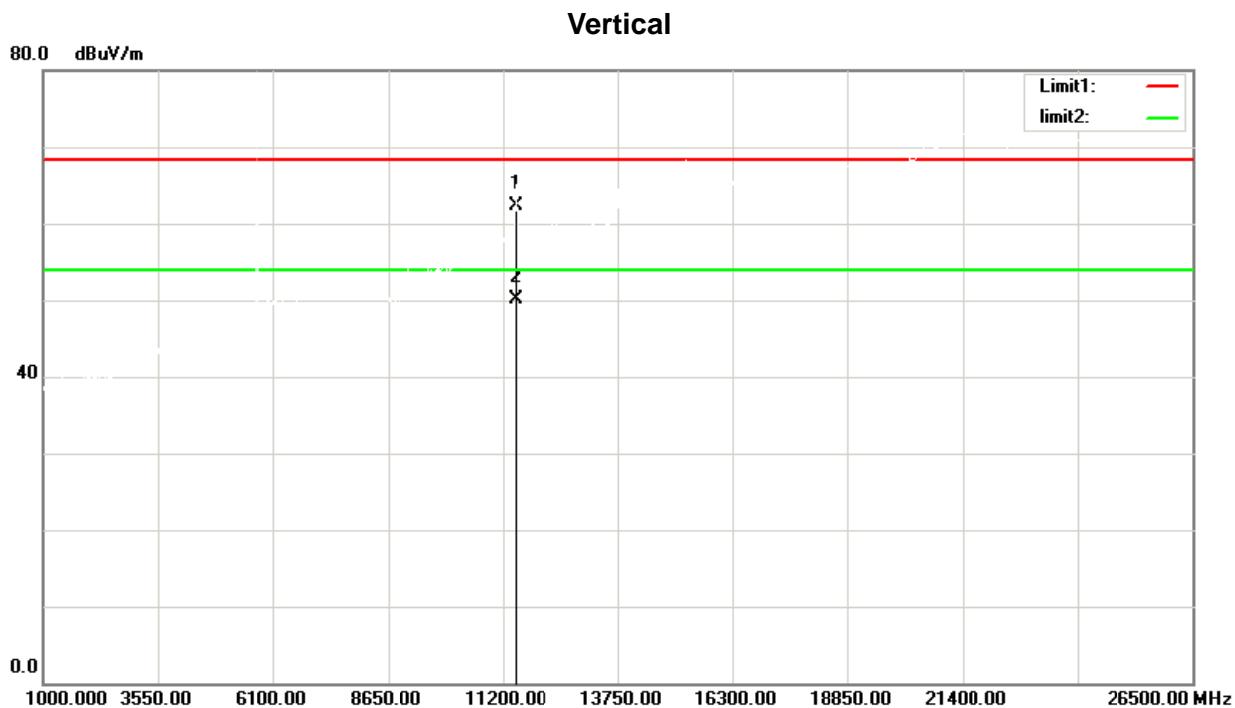
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10470.000 | 46.90 | 12.85 | 59.75 | 68.30 | -8.55 | peak |
| 2 | 10470.000 | 33.29 | 12.85 | 46.14 | 54.00 | -7.86 | AVG |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX N (HT40) Mode 5230 MHz |



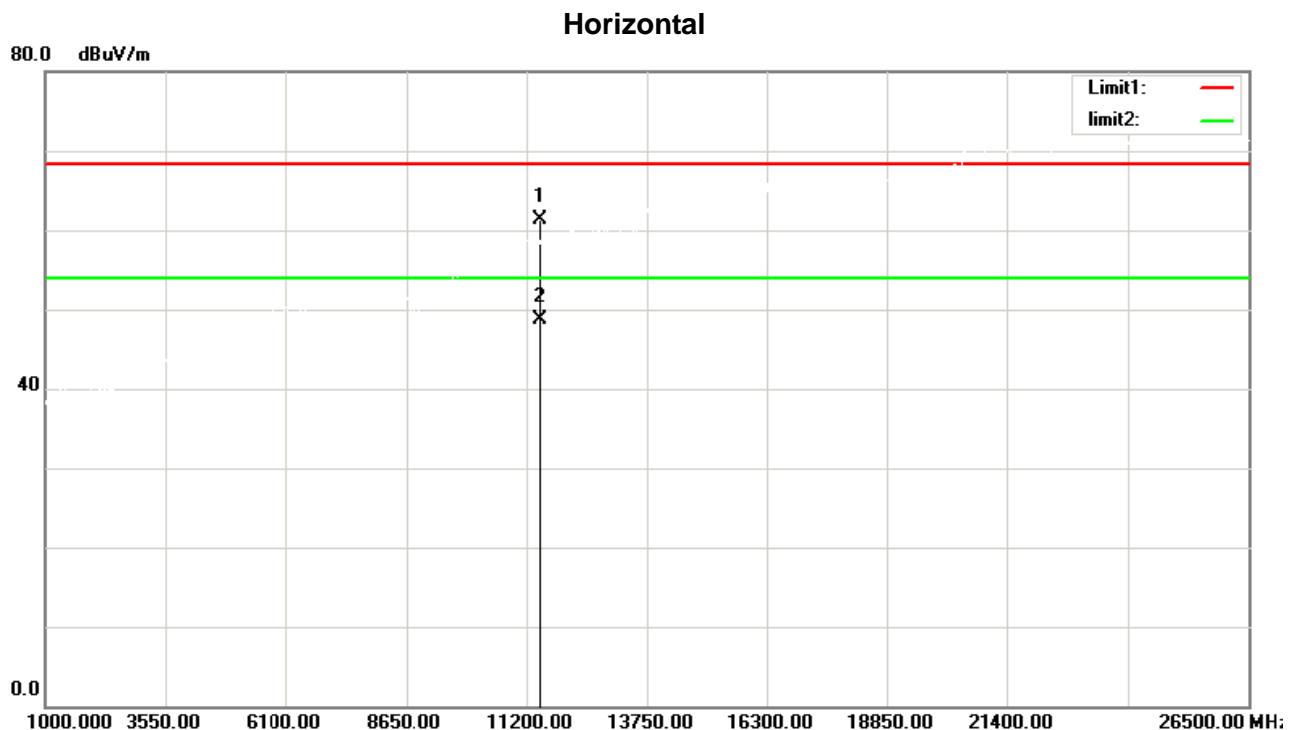
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10470.500 | 46.74 | 12.85 | 59.59 | 68.30 | -8.71 | peak |
| 2 | 10470.500 | 33.54 | 12.85 | 46.39 | 54.00 | -7.61 | AVG |

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|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5745 MHz |



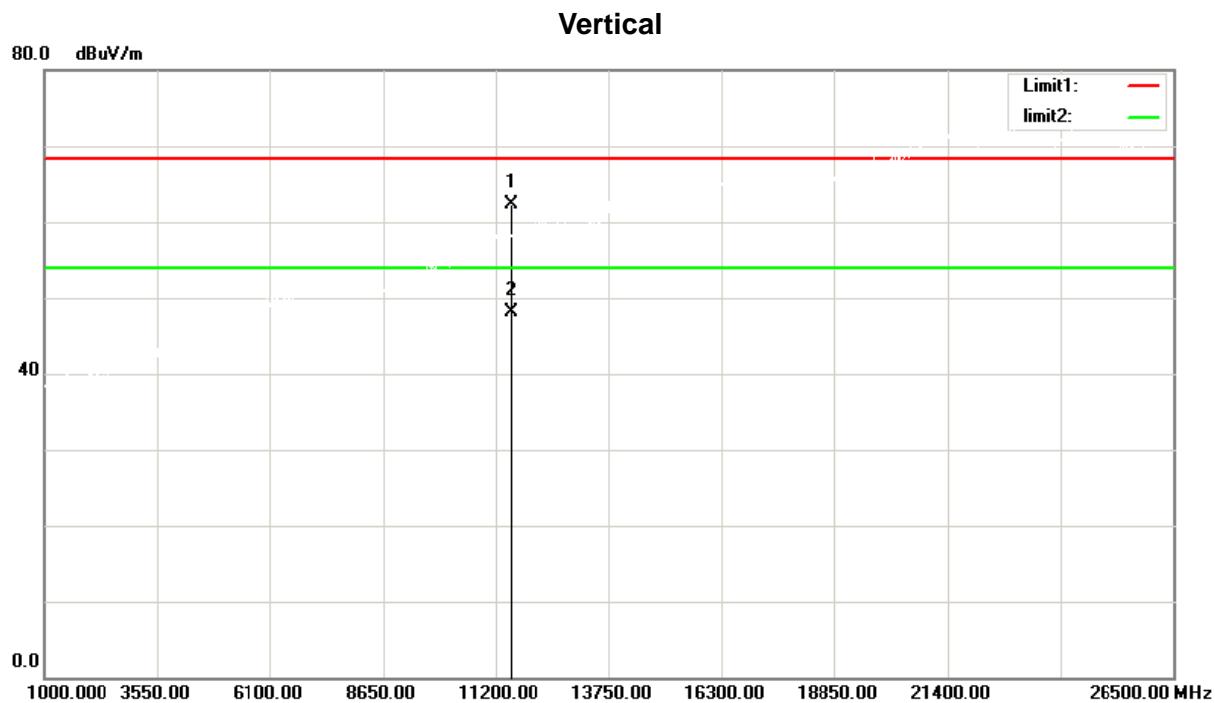
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11501.503 | 47.45 | 14.86 | 62.31 | 68.30 | -5.99 | peak |
| 2 | 11501.503 | 35.19 | 14.86 | 50.05 | 54.00 | -3.95 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5745 MHz |



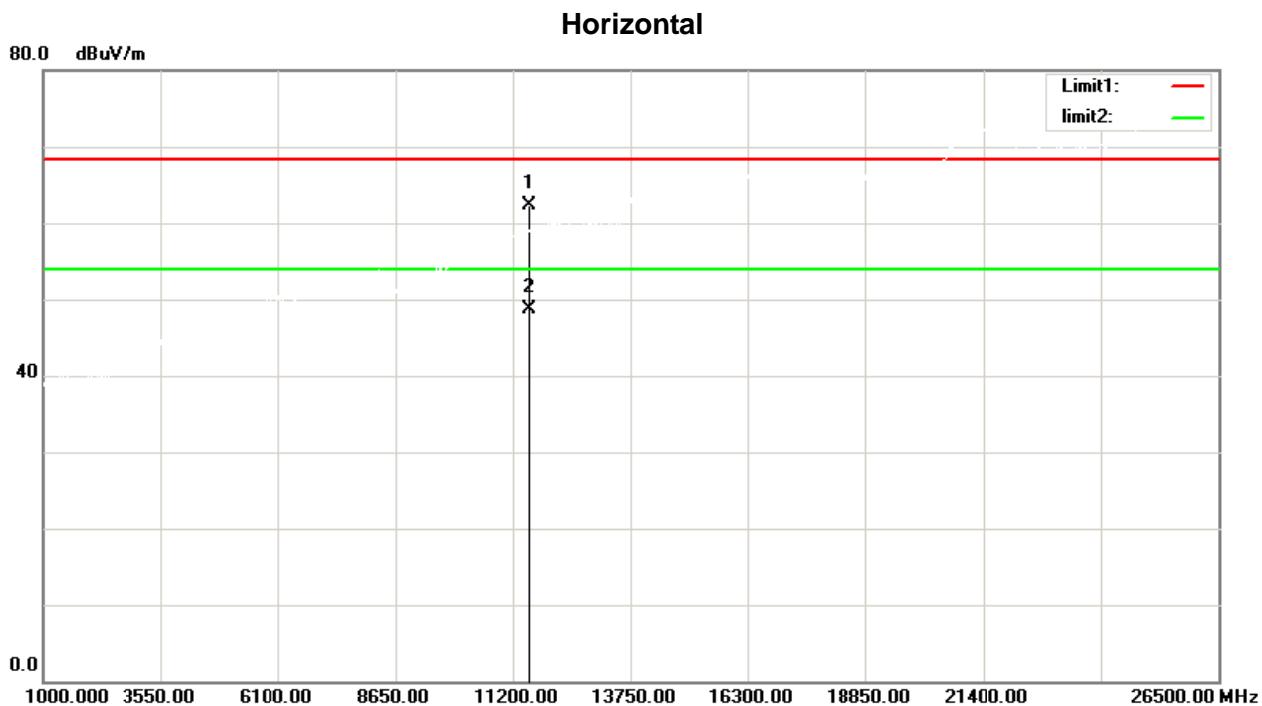
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11501.530 | 46.37 | 14.86 | 61.23 | 68.30 | -7.07 | peak |
| 2 | 11501.530 | 33.92 | 14.86 | 48.78 | 54.00 | -5.22 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5785 MHz |



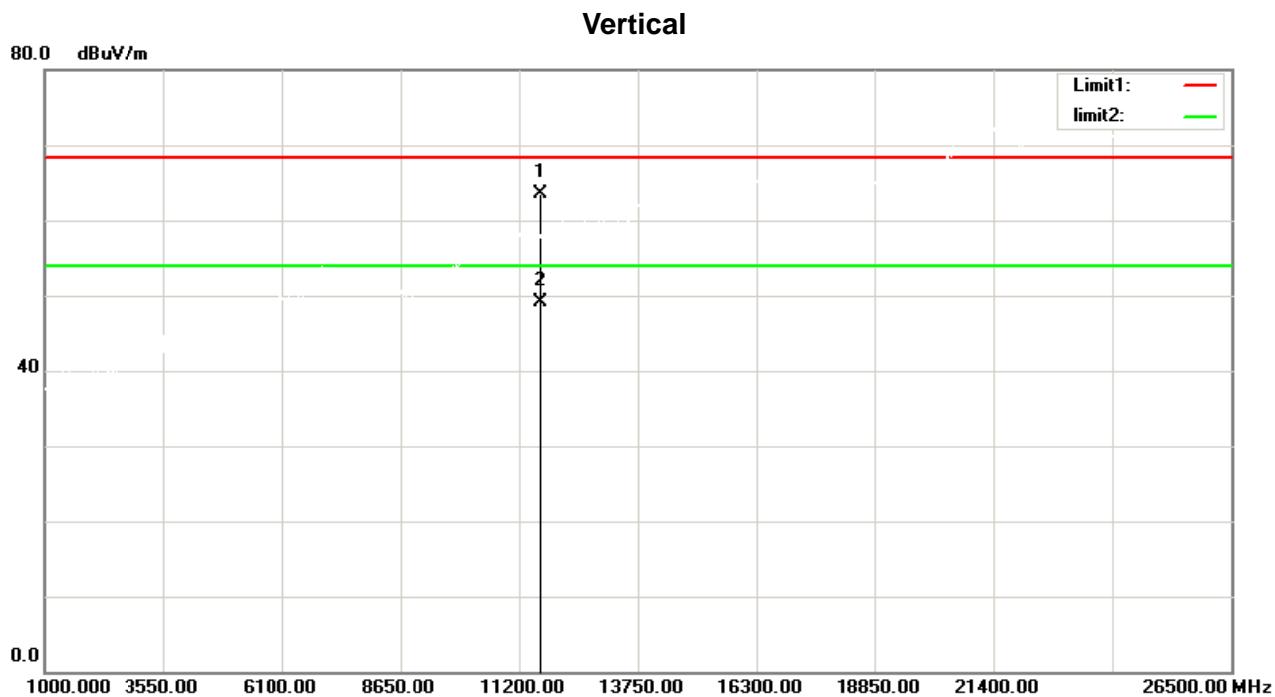
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11571.110 | 47.47 | 14.85 | 62.32 | 68.30 | -5.98 | peak |
| 2 | 11571.110 | 33.29 | 14.85 | 48.14 | 54.00 | -5.86 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5785 MHz |



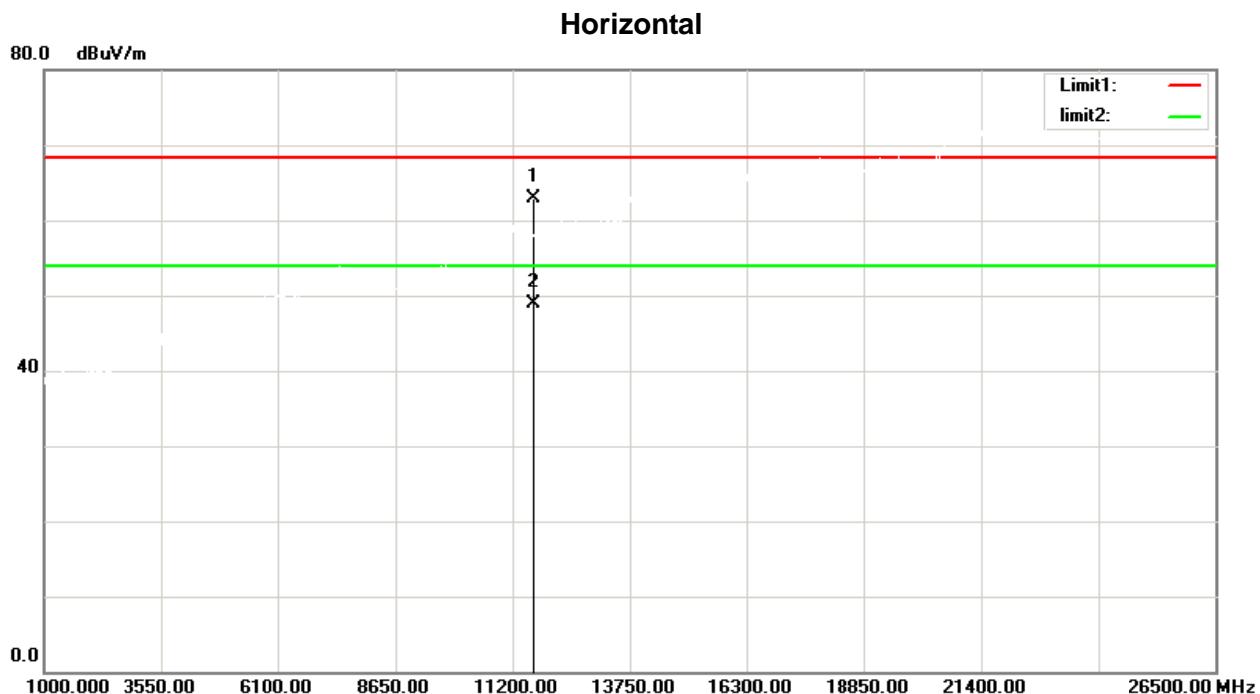
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11572.320 | 47.47 | 14.85 | 62.32 | 68.30 | -5.98 | peak |
| 2 | 11572.320 | 33.88 | 14.85 | 48.73 | 54.00 | -5.27 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5825 MHz |



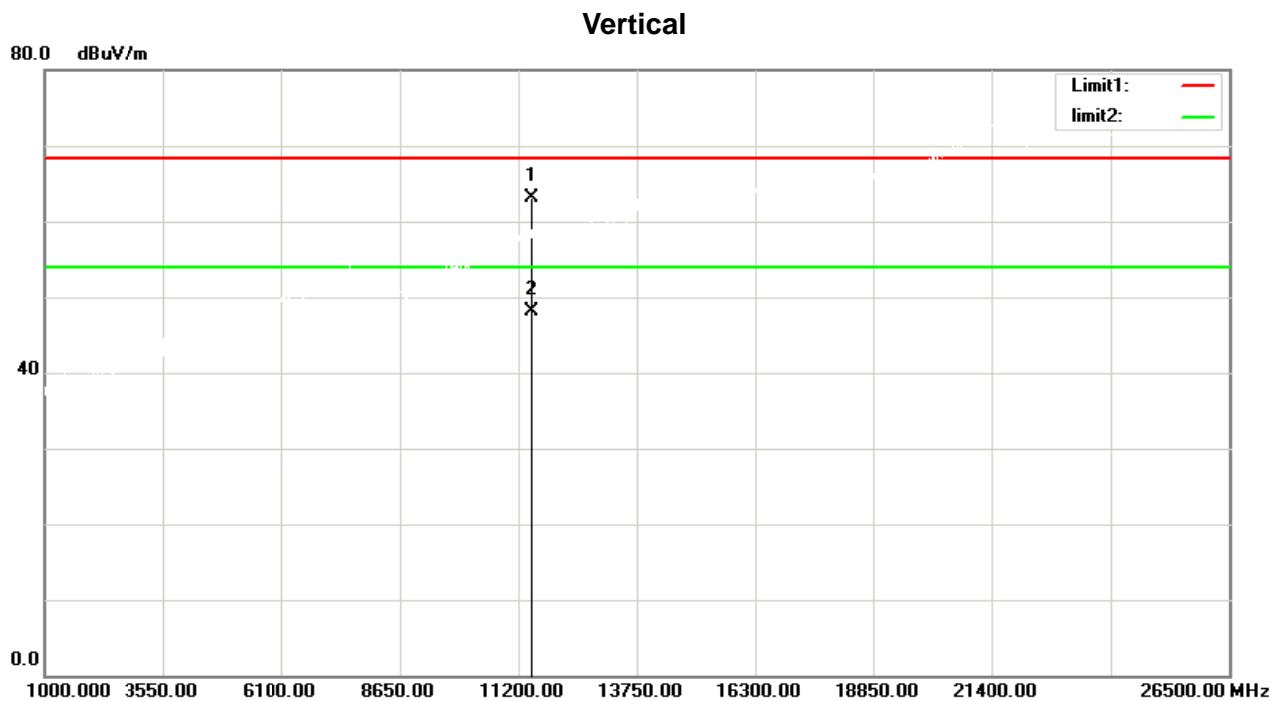
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11650.500 | 48.69 | 14.84 | 63.53 | 68.30 | -4.77 | peak |
| 2 | 11650.500 | 34.22 | 14.84 | 49.06 | 54.00 | -4.94 | AVG |

| | |
|-----------------|---------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX A Mode 5825 MHz |



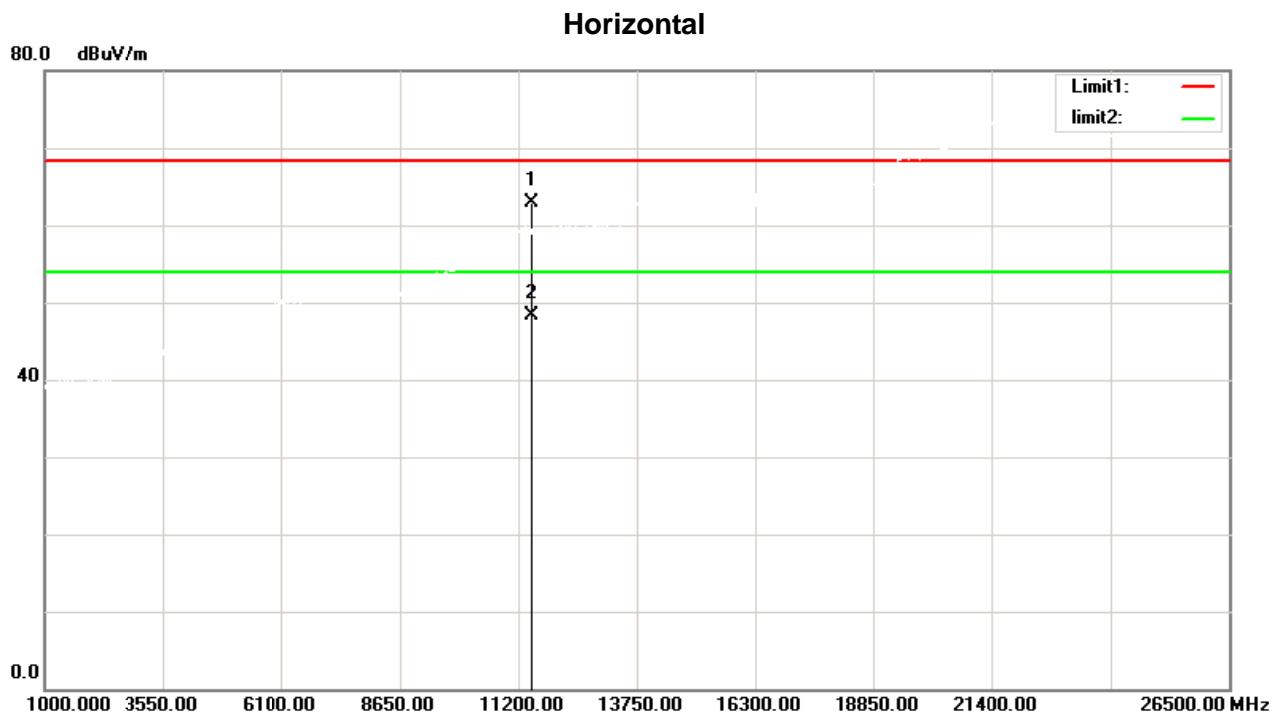
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11651.000 | 48.07 | 14.84 | 62.91 | 68.30 | -5.39 | peak |
| 2 | 11651.000 | 34.09 | 14.84 | 48.93 | 54.00 | -5.07 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5745 MHz |



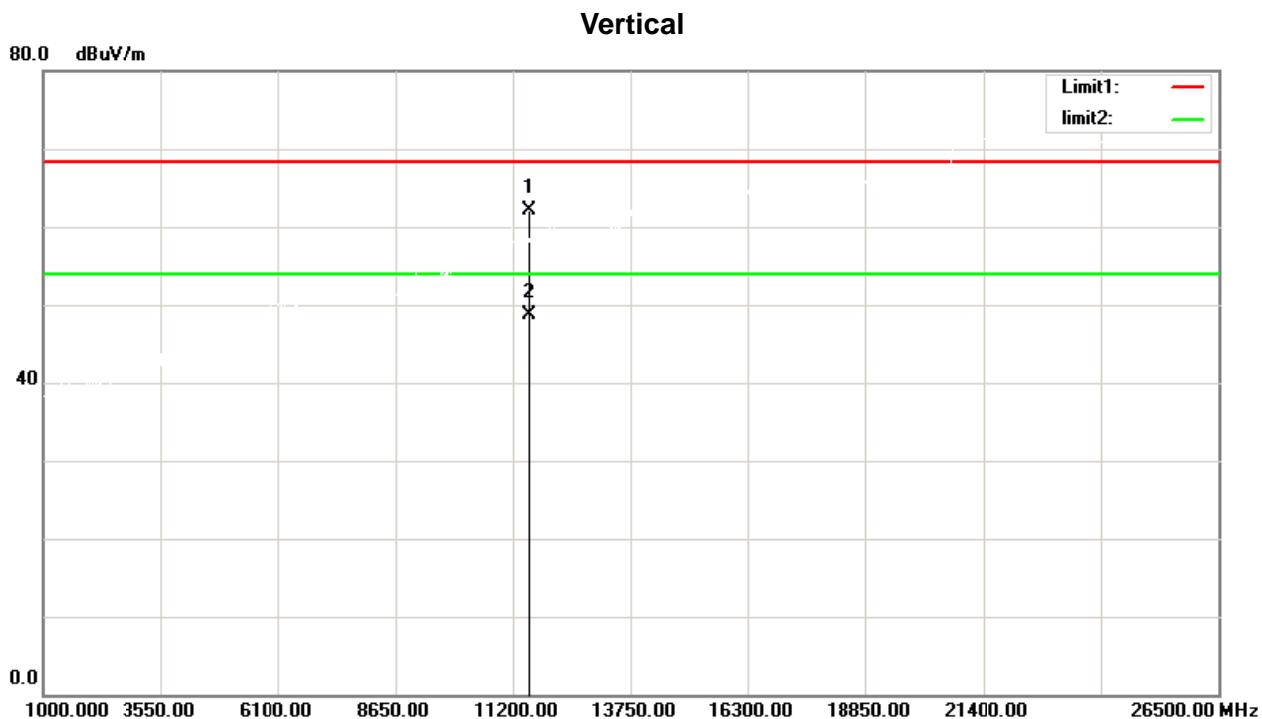
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11500.500 | 48.17 | 14.86 | 63.03 | 68.30 | -5.27 | peak |
| 2 | 11500.500 | 33.28 | 14.86 | 48.14 | 54.00 | -5.86 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5745 MHz |



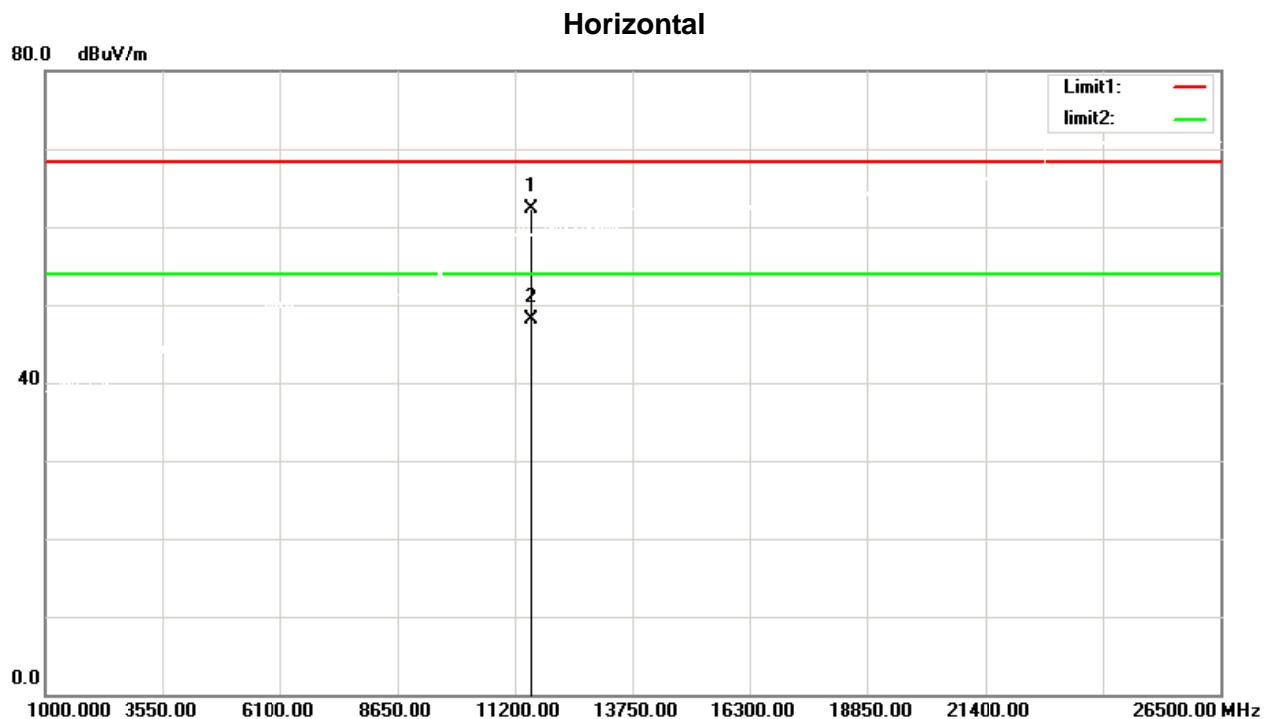
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11501.500 | 47.97 | 14.86 | 62.83 | 68.30 | -5.47 | peak |
| 2 | 11501.500 | 33.38 | 14.86 | 48.24 | 54.00 | -5.76 | AVG |

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|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5785 MHz |



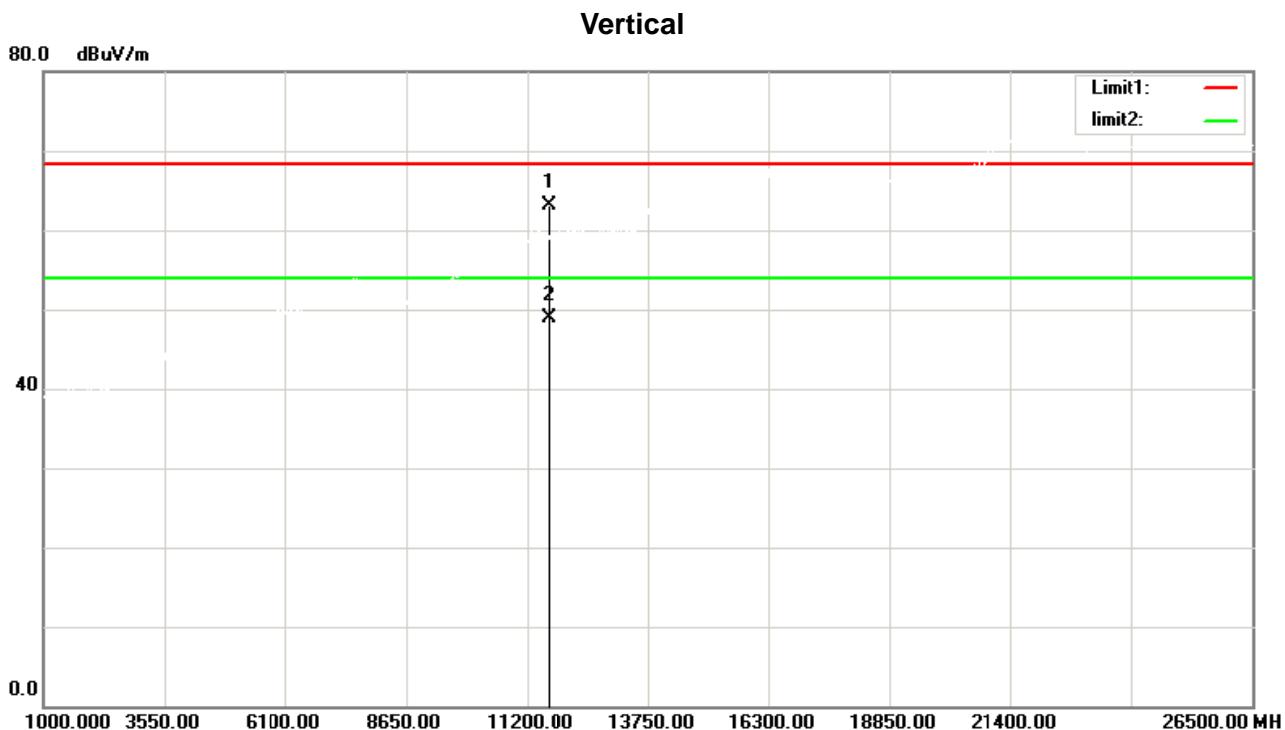
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11571.150 | 47.27 | 14.85 | 62.12 | 68.30 | -6.18 | peak |
| 2 | 11571.150 | 33.82 | 14.85 | 48.67 | 54.00 | -5.33 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5785 MHz |



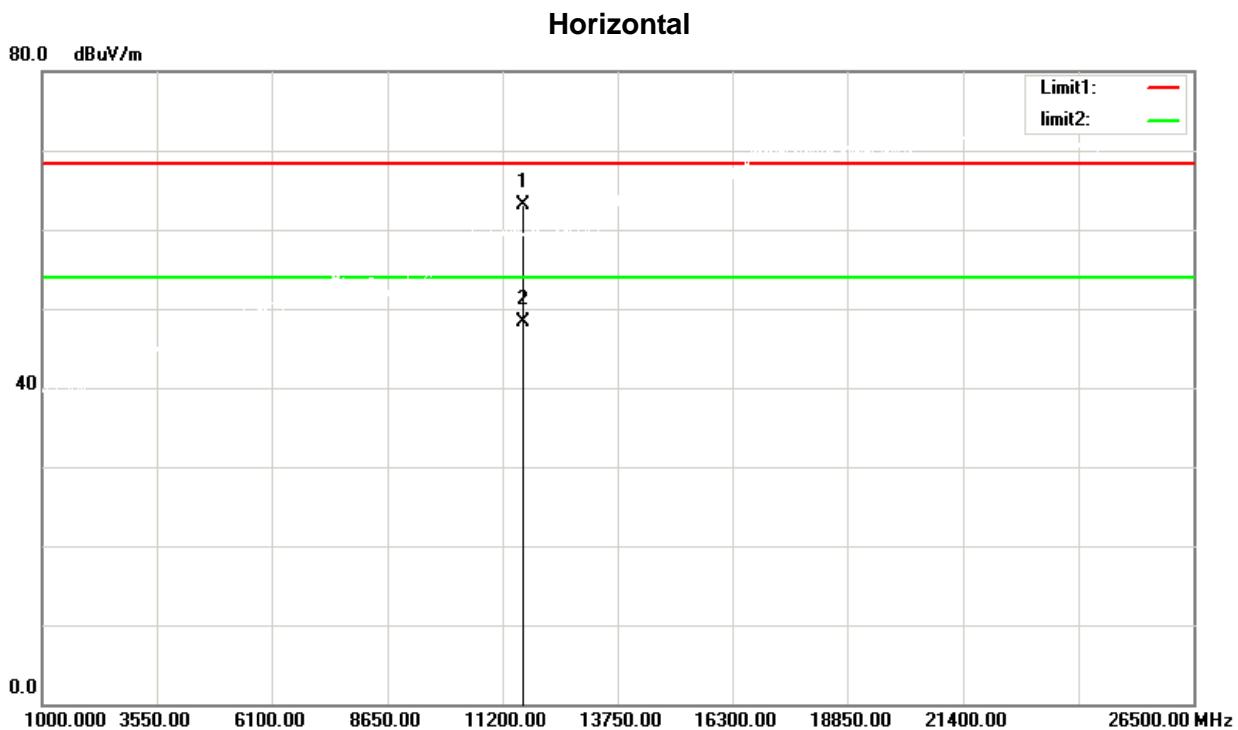
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11571.150 | 47.49 | 14.85 | 62.34 | 68.30 | -5.96 | peak |
| 2 | 11571.150 | 33.27 | 14.85 | 48.12 | 54.00 | -5.88 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5825 MHz |



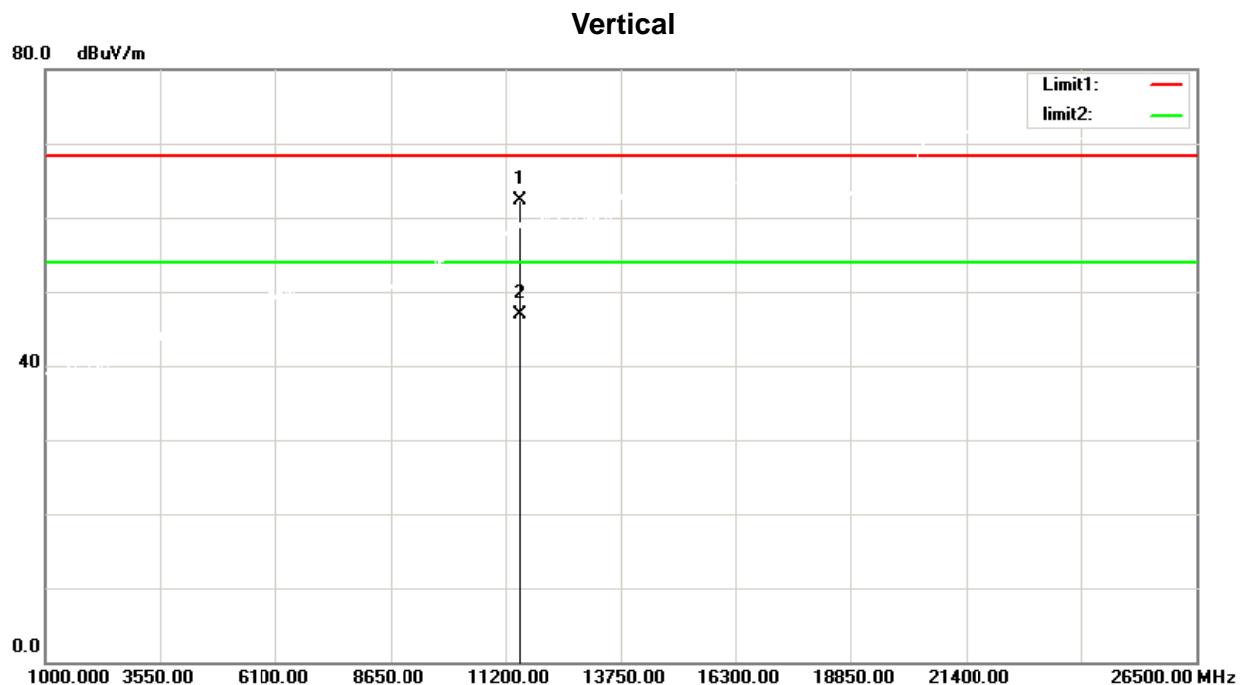
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11652.050 | 48.18 | 14.84 | 63.02 | 68.30 | -5.28 | peak |
| 2 | 11652.050 | 33.97 | 14.84 | 48.81 | 54.00 | -5.19 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT20) Mode 5825 MHz |



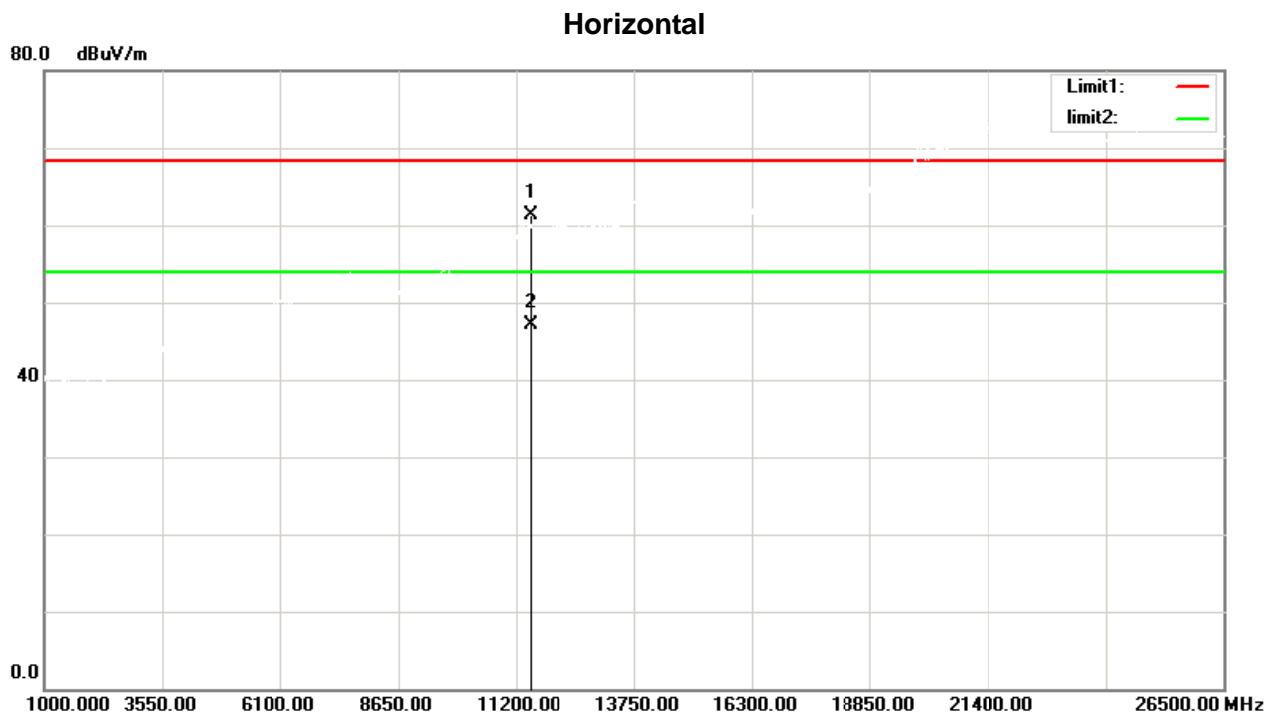
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11651.000 | 48.20 | 14.84 | 63.04 | 68.30 | -5.26 | peak |
| 2 | 11651.000 | 33.44 | 14.84 | 48.28 | 54.00 | -5.72 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT40) Mode 5755 MHz |



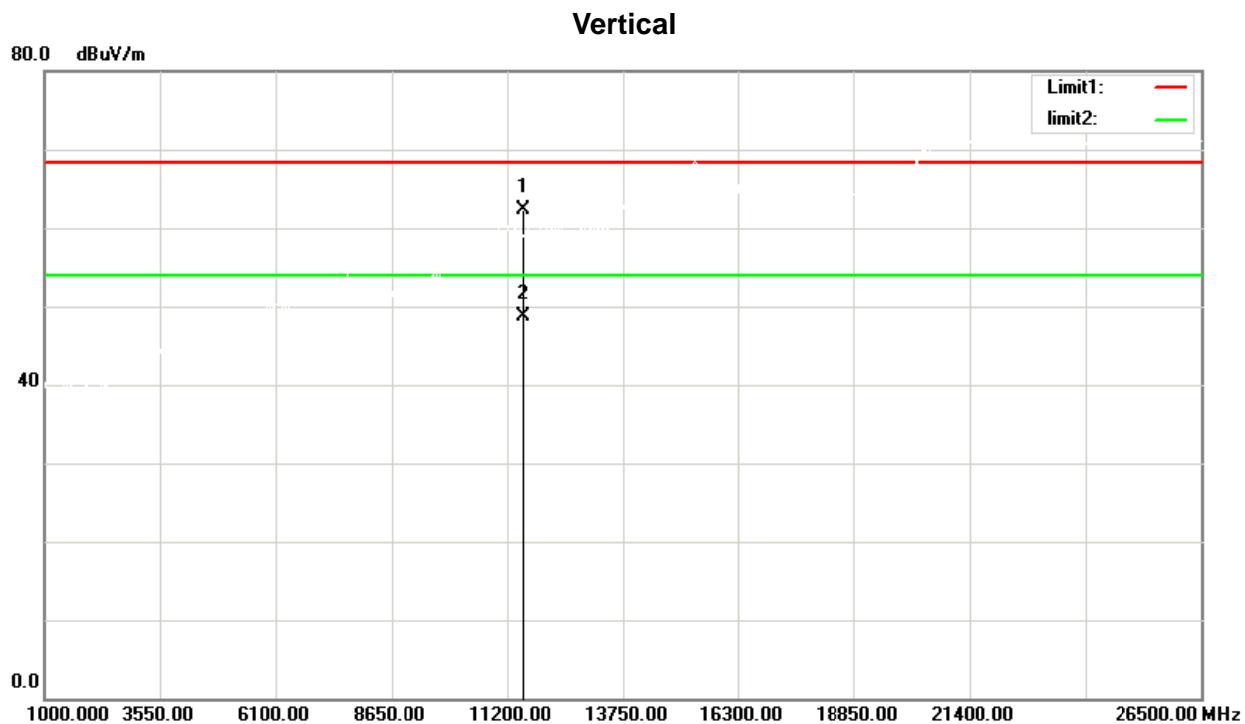
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11523.530 | 47.41 | 14.85 | 62.26 | 68.30 | -6.04 | peak |
| 2 | 11523.530 | 32.15 | 14.85 | 47.00 | 54.00 | -7.00 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT40) Mode 5755 MHz |



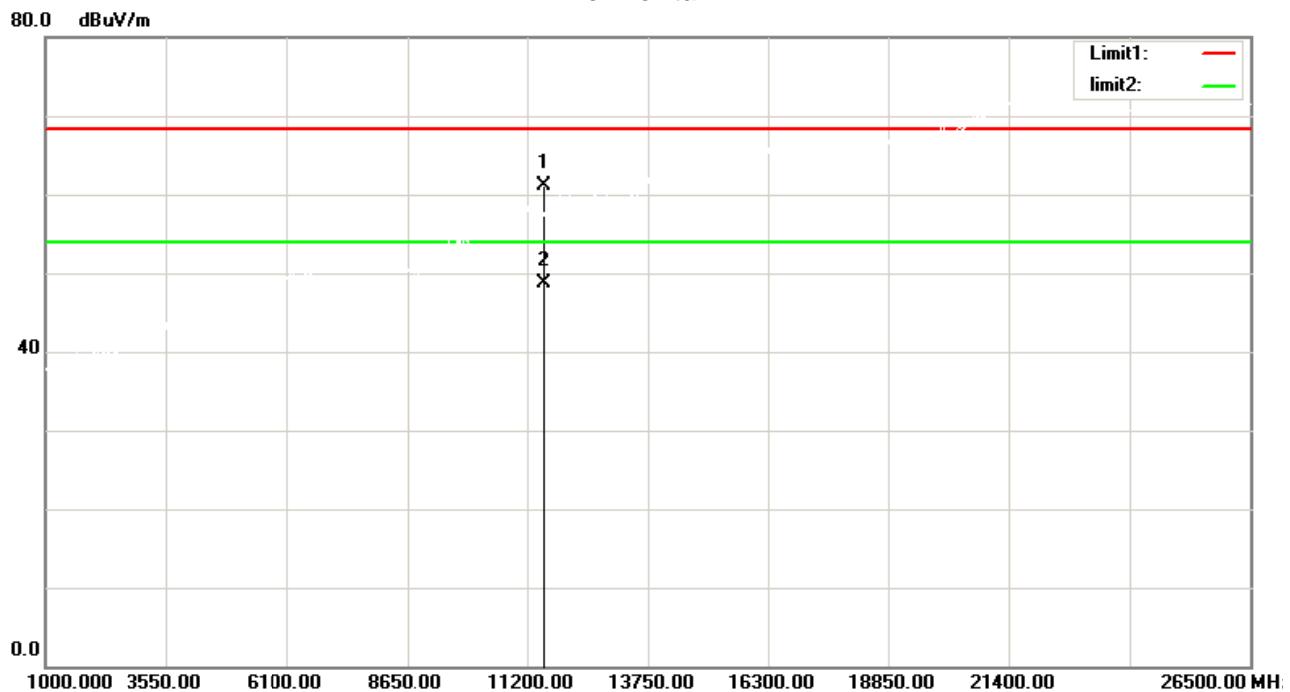
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11523.530 | 46.38 | 14.85 | 61.23 | 68.30 | -7.07 | peak |
| 2 | 11523.530 | 32.29 | 14.85 | 47.14 | 54.00 | -6.86 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT40) Mode 5795 MHz |



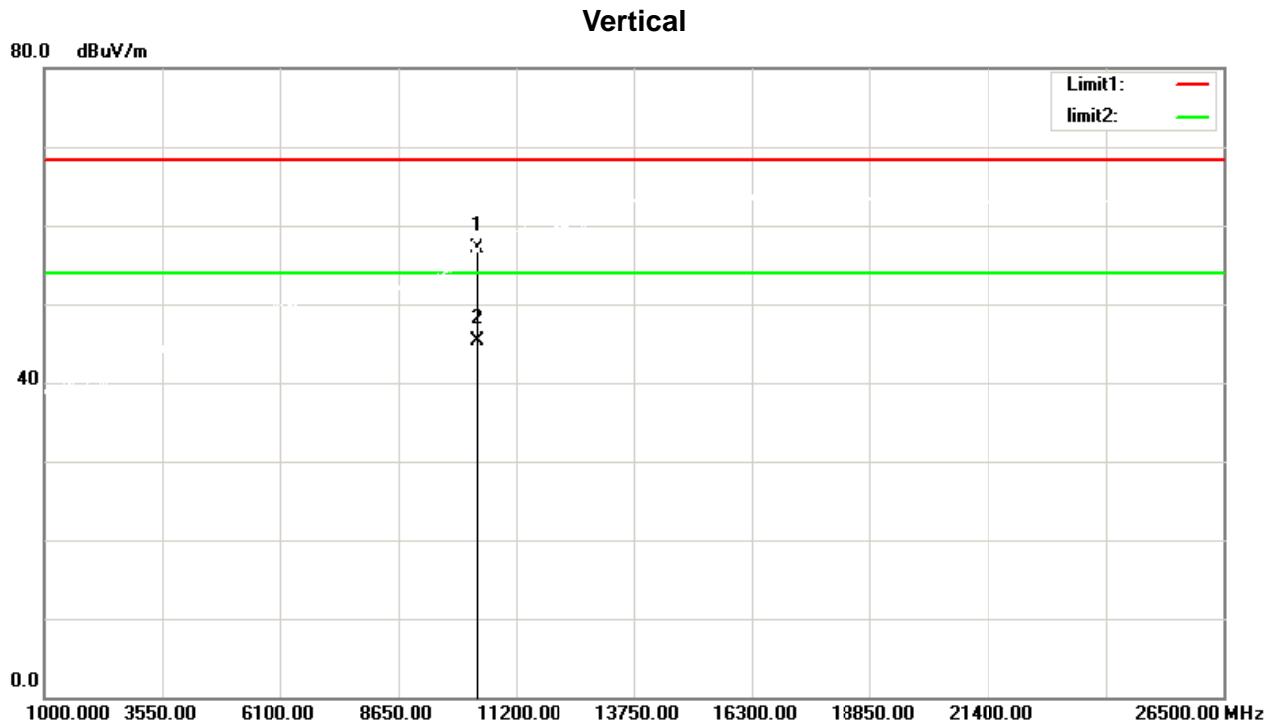
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11562.450 | 47.44 | 14.86 | 62.30 | 68.30 | -6.00 | peak |
| 2 | 11562.450 | 33.76 | 14.86 | 48.62 | 54.00 | -5.38 | AVG |

| | |
|-----------------|----------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX N (HT40) Mode 5795 MHz |

Horizontal

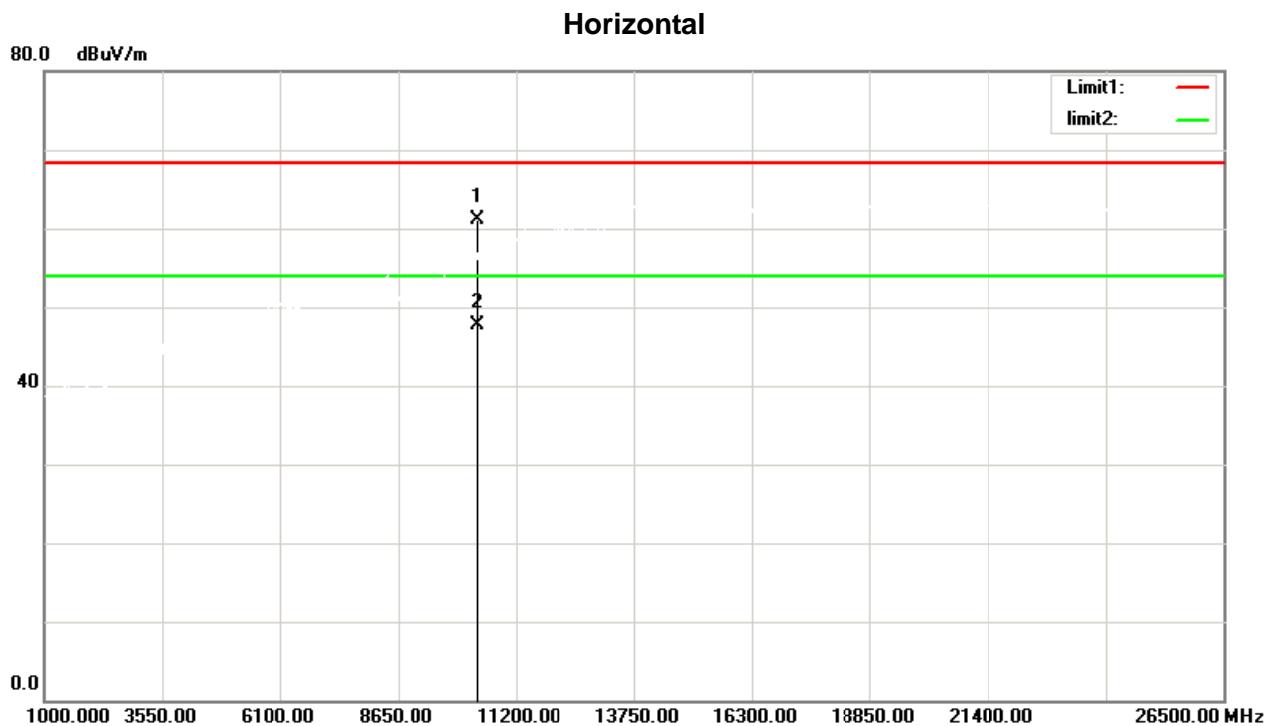
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11571.350 | 46.30 | 14.85 | 61.15 | 68.30 | -7.15 | peak |
| 2 | 11571.350 | 33.90 | 14.85 | 48.75 | 54.00 | -5.25 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT20) Mode 5180 MHz |



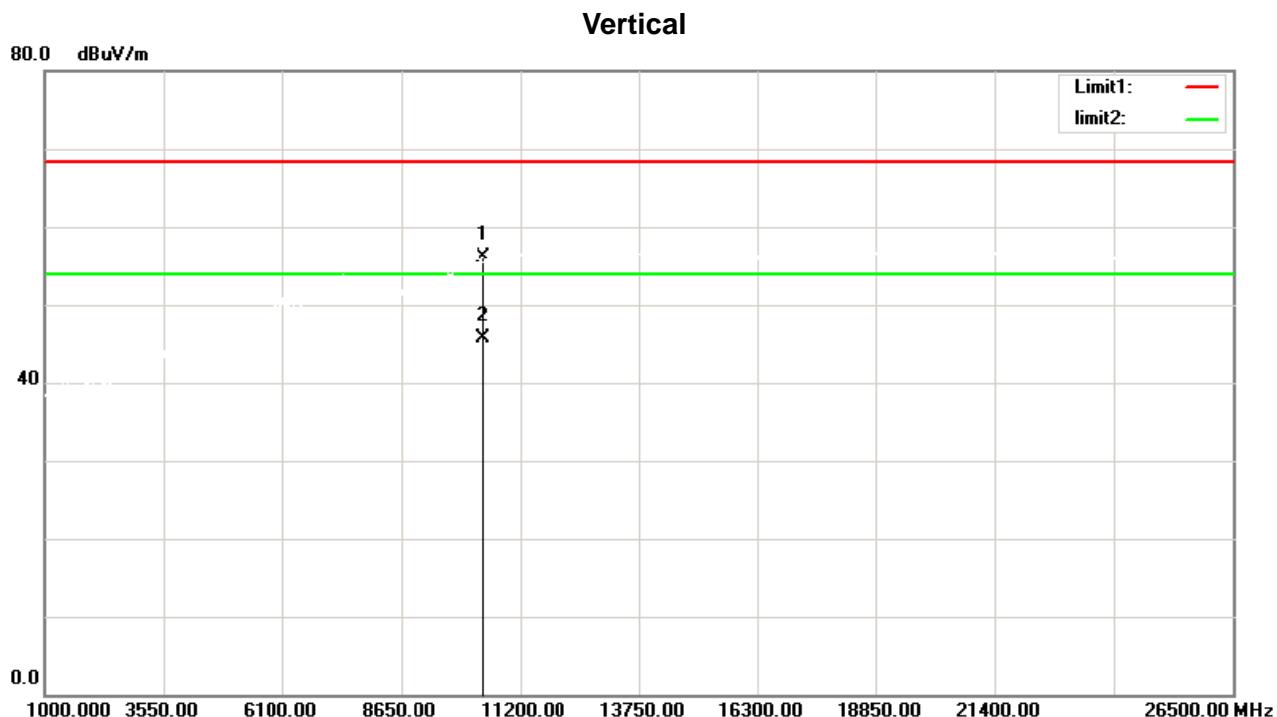
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10360.100 | 44.63 | 12.43 | 57.06 | 68.30 | -11.24 | peak |
| 2 | 10360.100 | 32.78 | 12.43 | 45.21 | 54.00 | -8.79 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT20) Mode 5180 MHz |



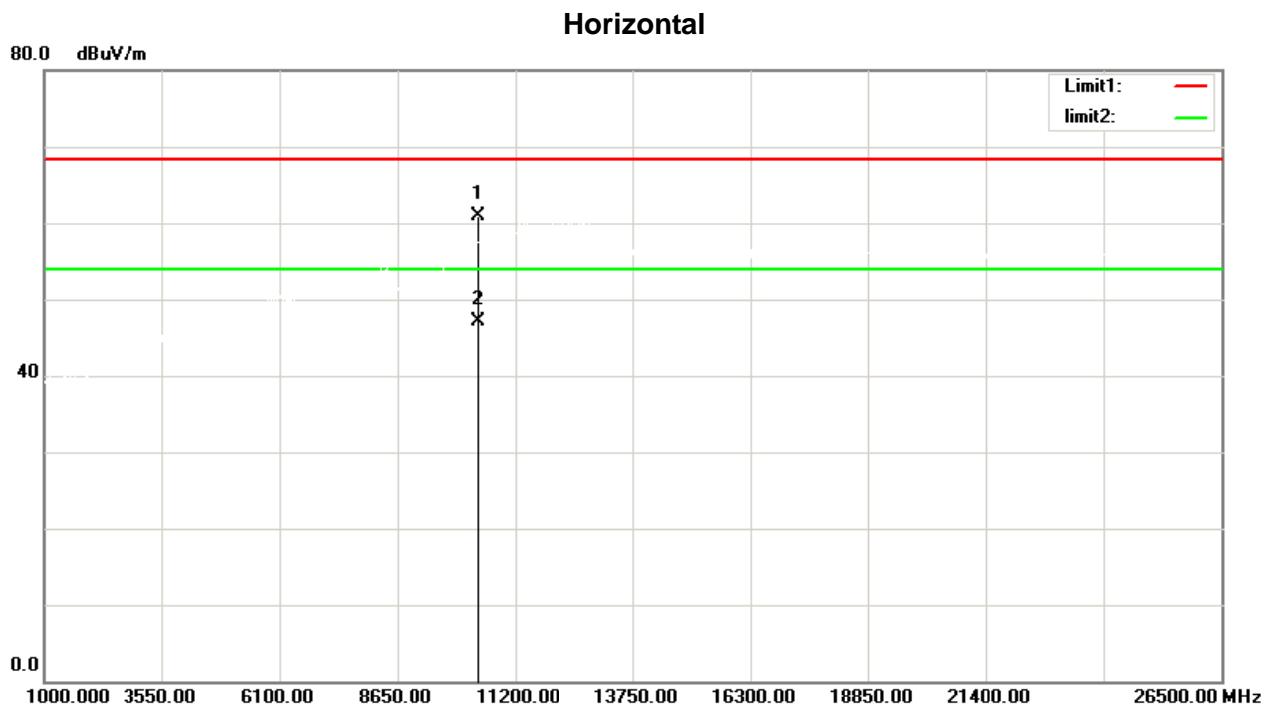
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10360.000 | 48.71 | 12.43 | 61.14 | 68.30 | -7.16 | peak |
| 2 | 10360.000 | 35.37 | 12.43 | 47.80 | 54.00 | -6.20 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT20) Mode 5200 MHz |



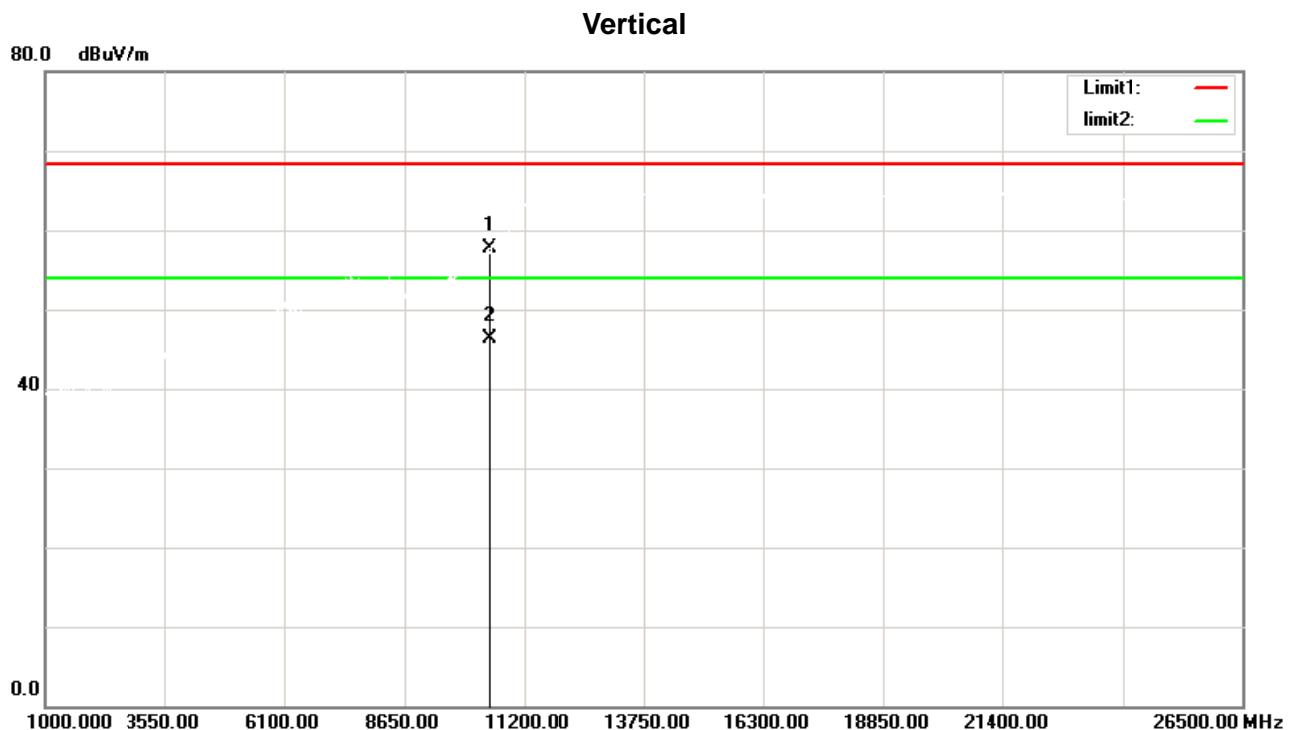
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10400.100 | 43.52 | 12.58 | 56.10 | 68.30 | -12.20 | peak |
| 2 | 10400.100 | 33.09 | 12.58 | 45.67 | 54.00 | -8.33 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT20) Mode 5200 MHz |



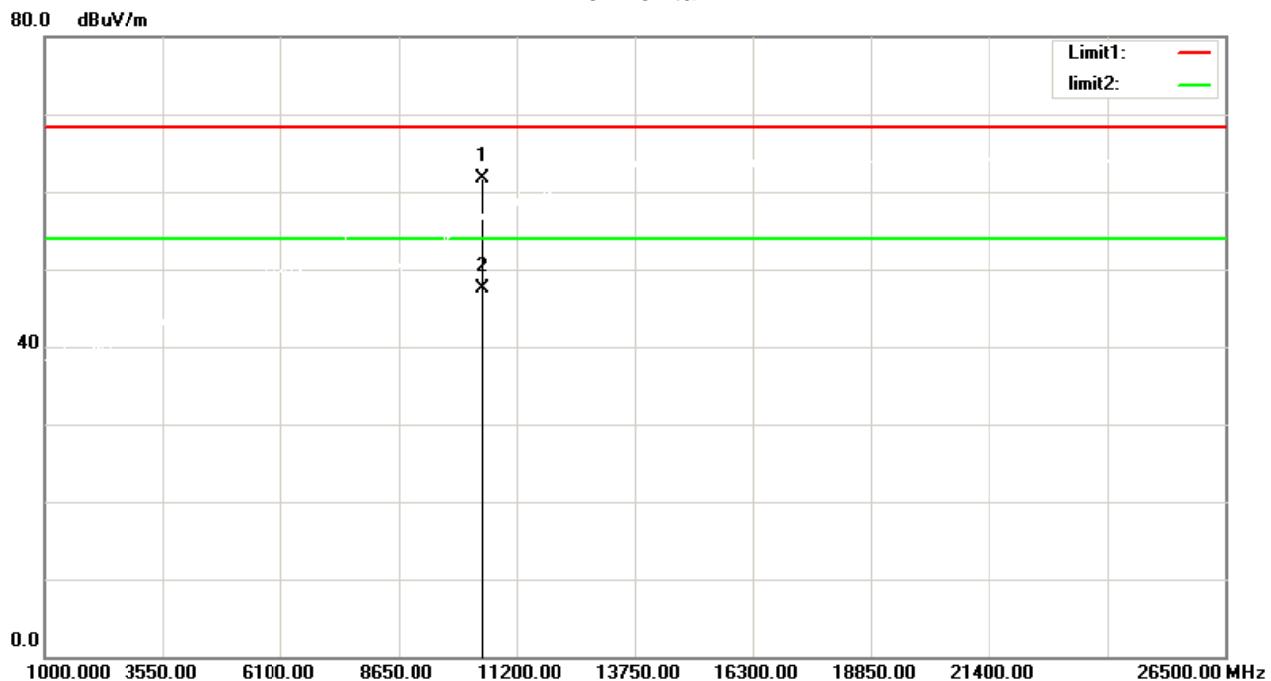
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10400.110 | 48.33 | 12.58 | 60.91 | 68.30 | -7.39 | peak |
| 2 | 10400.110 | 34.56 | 12.58 | 47.14 | 54.00 | -6.86 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT20) Mode 5240 MHz |



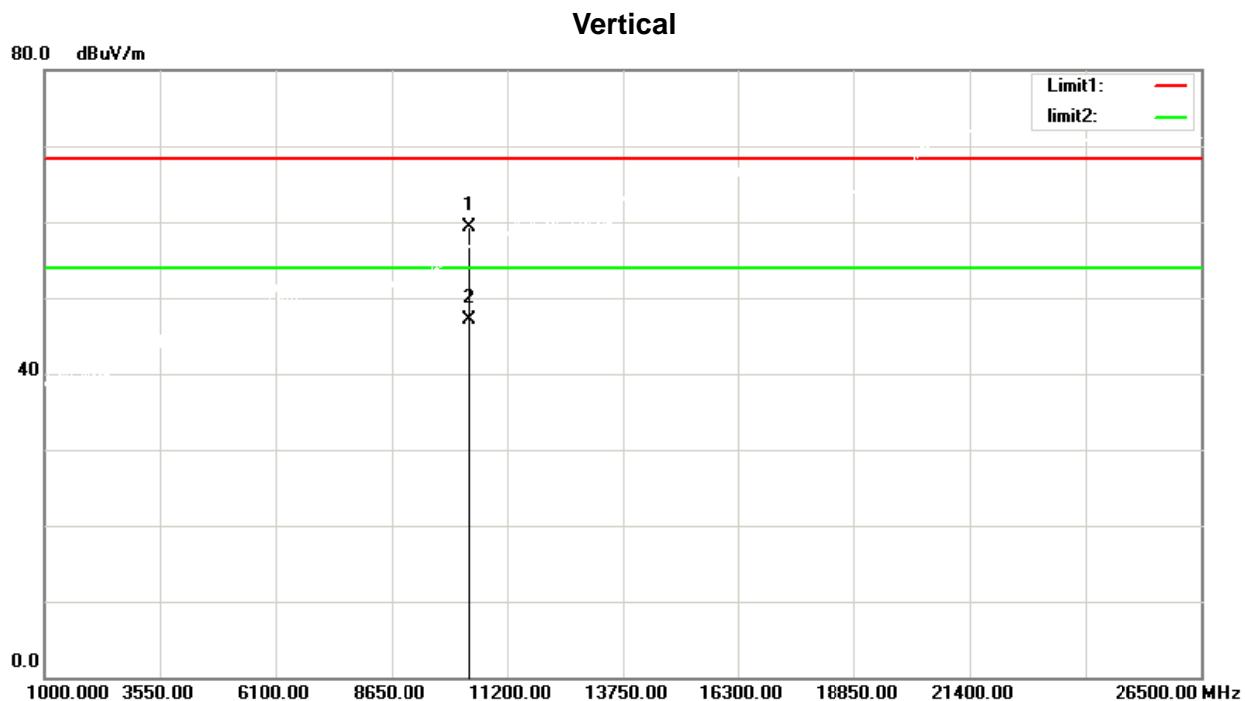
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10480.050 | 44.78 | 12.90 | 57.68 | 68.30 | -10.62 | peak |
| 2 | 10480.050 | 33.42 | 12.90 | 46.32 | 54.00 | -7.68 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT20) Mode 5240 MHz |

Horizontal

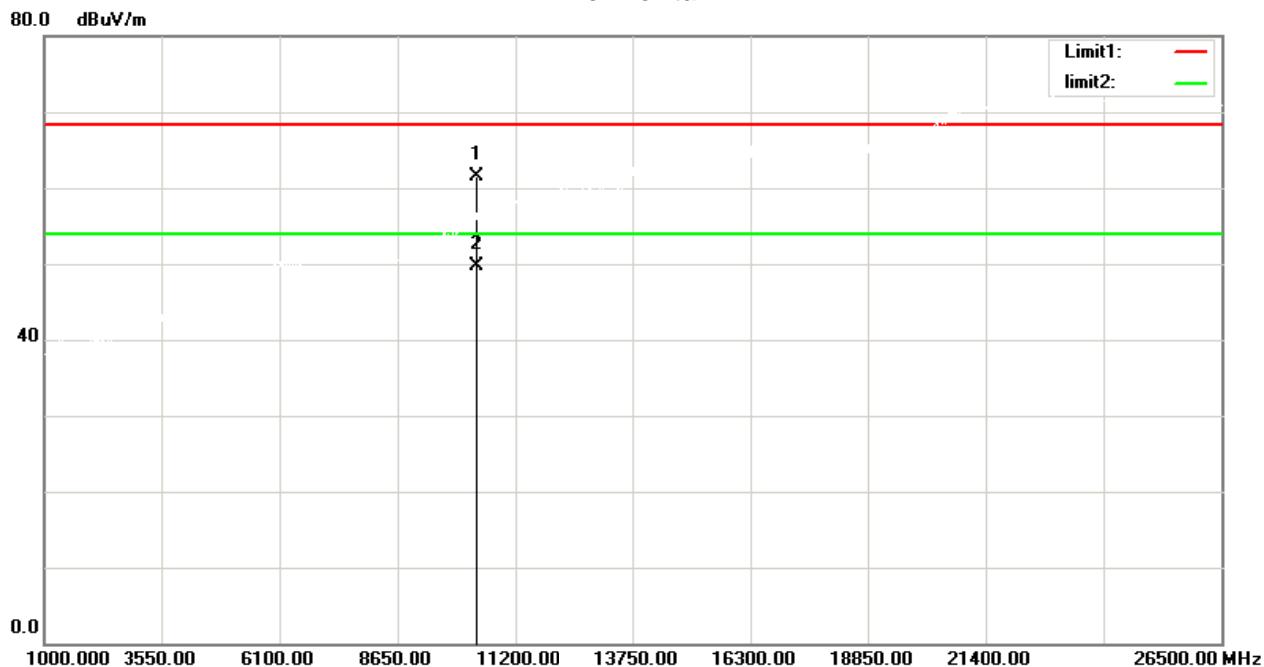
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10480.050 | 48.82 | 12.90 | 61.72 | 68.30 | -6.58 | peak |
| 2 | 10480.050 | 34.61 | 12.90 | 47.51 | 54.00 | -6.49 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT40) Mode 5190 MHz |



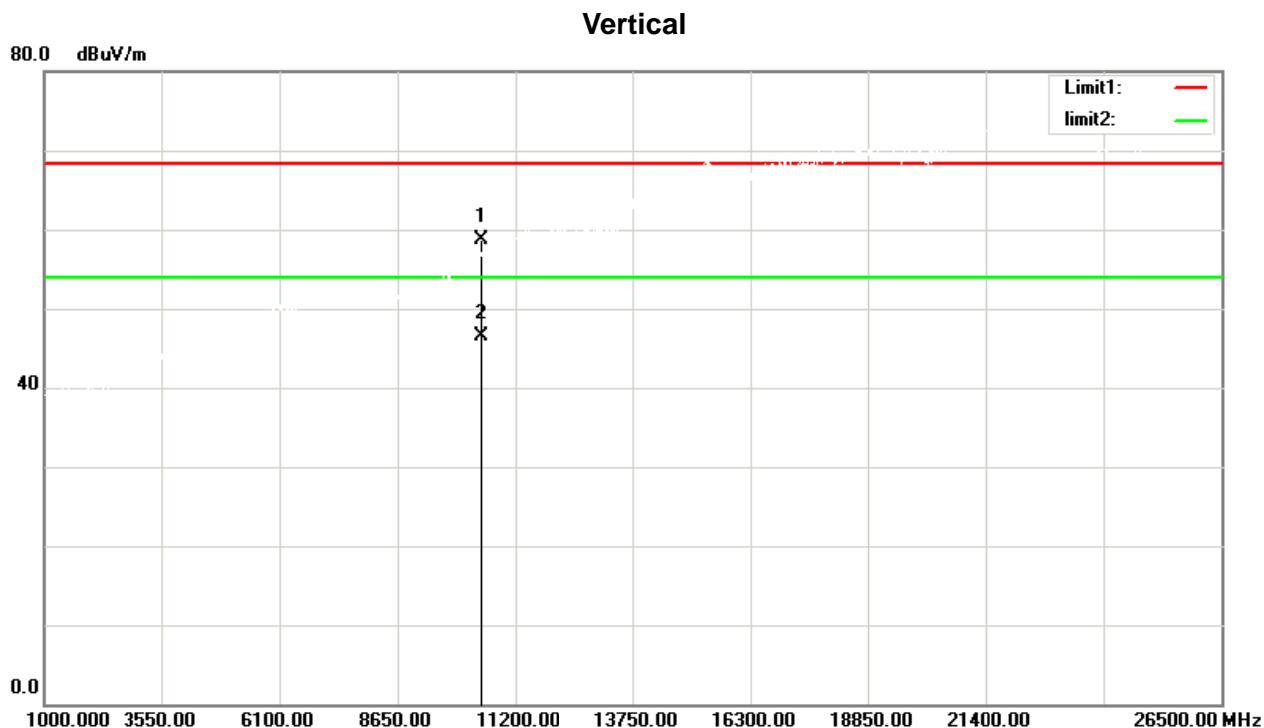
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10380.000 | 46.85 | 12.51 | 59.36 | 68.30 | -8.94 | peak |
| 2 | 10380.000 | 34.63 | 12.51 | 47.14 | 54.00 | -6.86 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT40) Mode 5190 MHz |

Horizontal

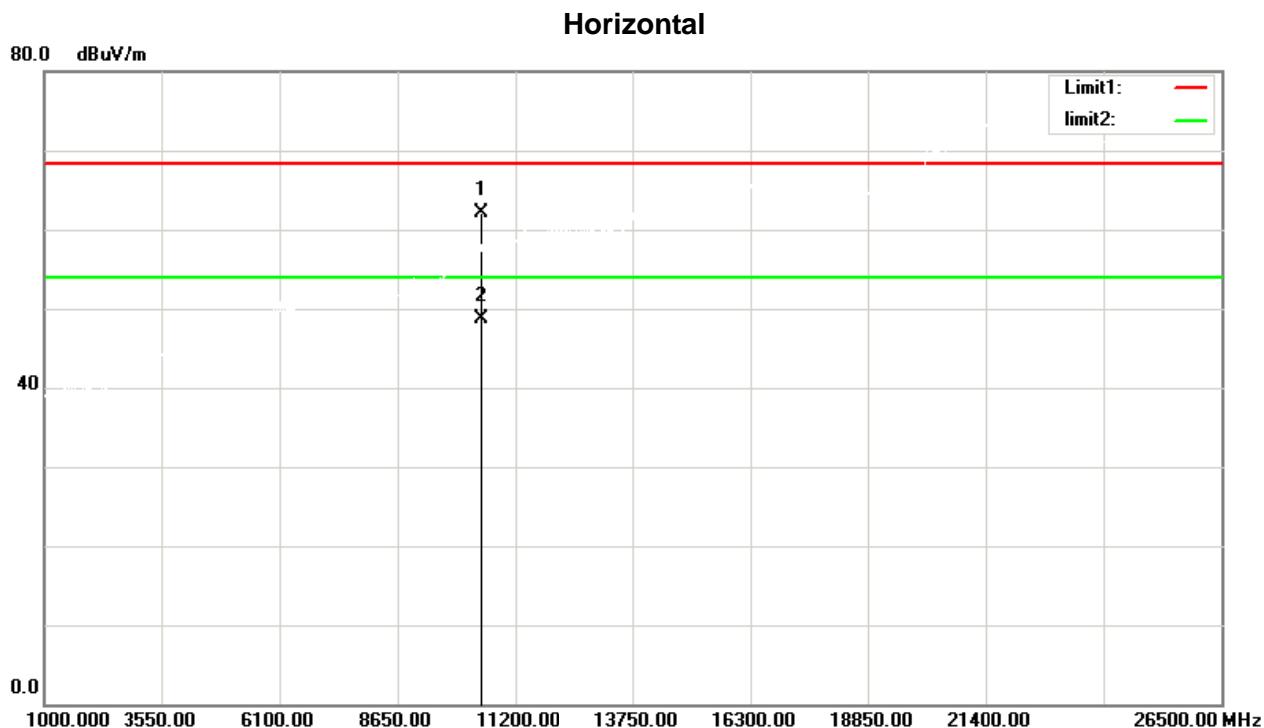
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10380.100 | 48.92 | 12.51 | 61.43 | 68.30 | -6.87 | peak |
| 2 | 10380.100 | 37.18 | 12.51 | 49.69 | 54.00 | -4.31 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT40) Mode 5230 MHz |



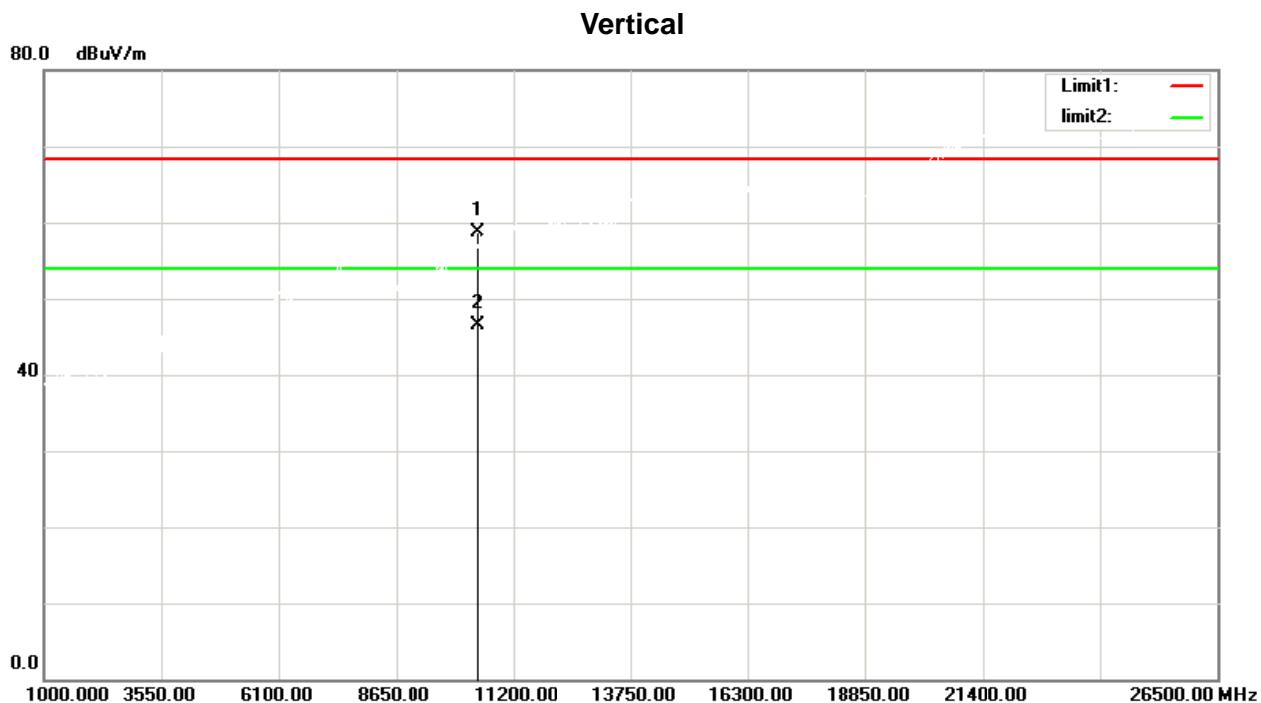
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10460.200 | 45.97 | 12.81 | 58.78 | 68.30 | -9.52 | peak |
| 2 | 10460.200 | 33.78 | 12.81 | 46.59 | 54.00 | -7.41 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT40) Mode 5230 MHz |



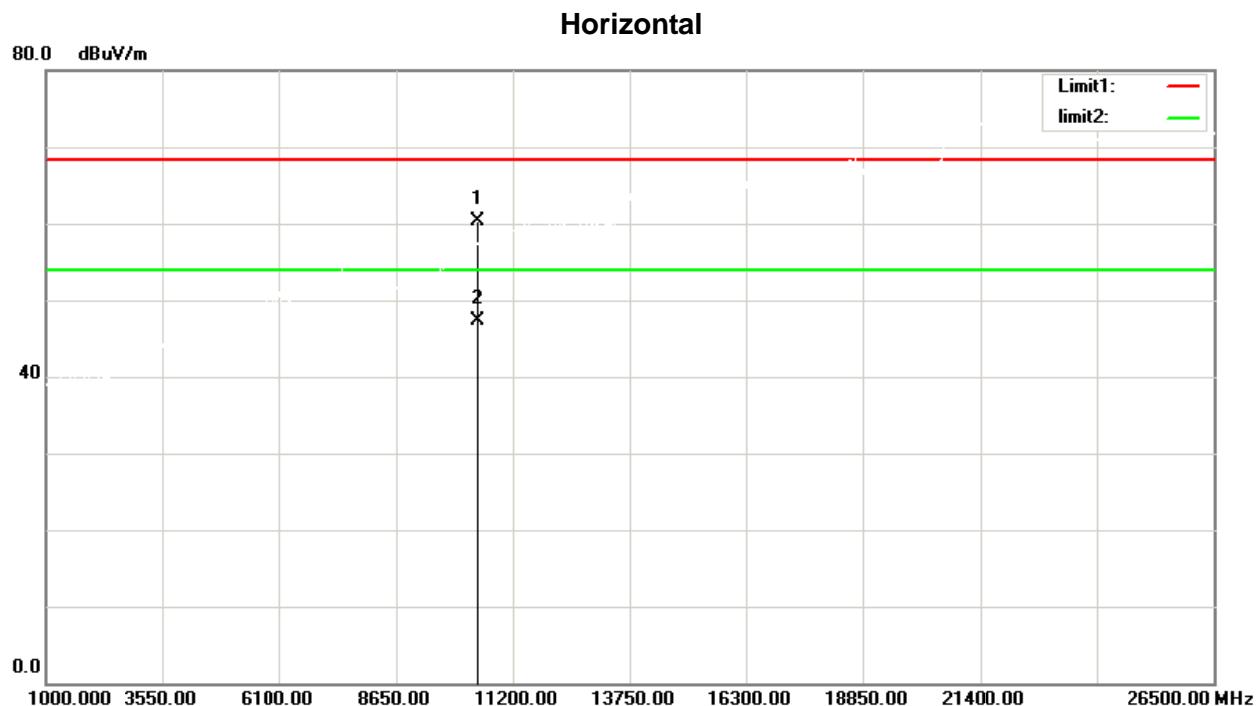
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10460.300 | 49.22 | 12.81 | 62.03 | 68.30 | -6.27 | peak |
| 2 | 10460.300 | 35.87 | 12.81 | 48.68 | 54.00 | -5.32 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT80) Mode 5210 MHz |



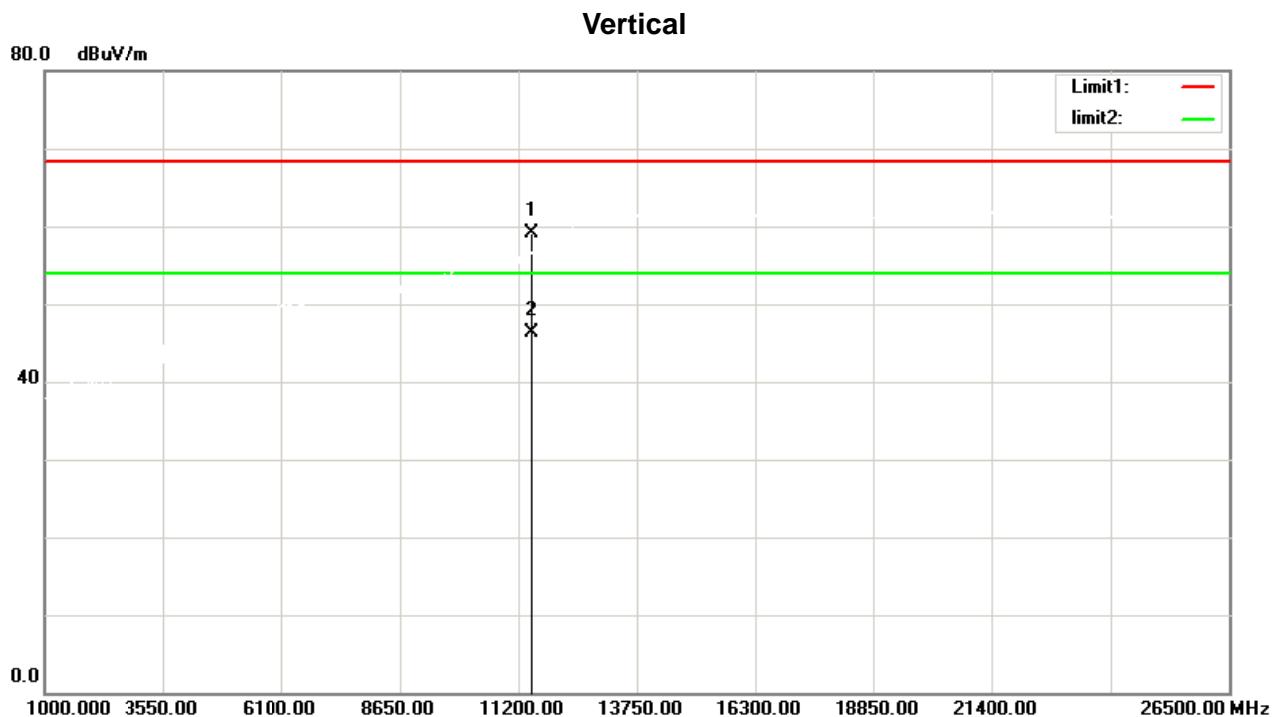
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10420.150 | 46.12 | 12.66 | 58.78 | 68.30 | -9.52 | peak |
| 2 | 10420.150 | 33.93 | 12.66 | 46.59 | 54.00 | -7.41 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-1_TX AC (VHT80) Mode 5210 MHz |



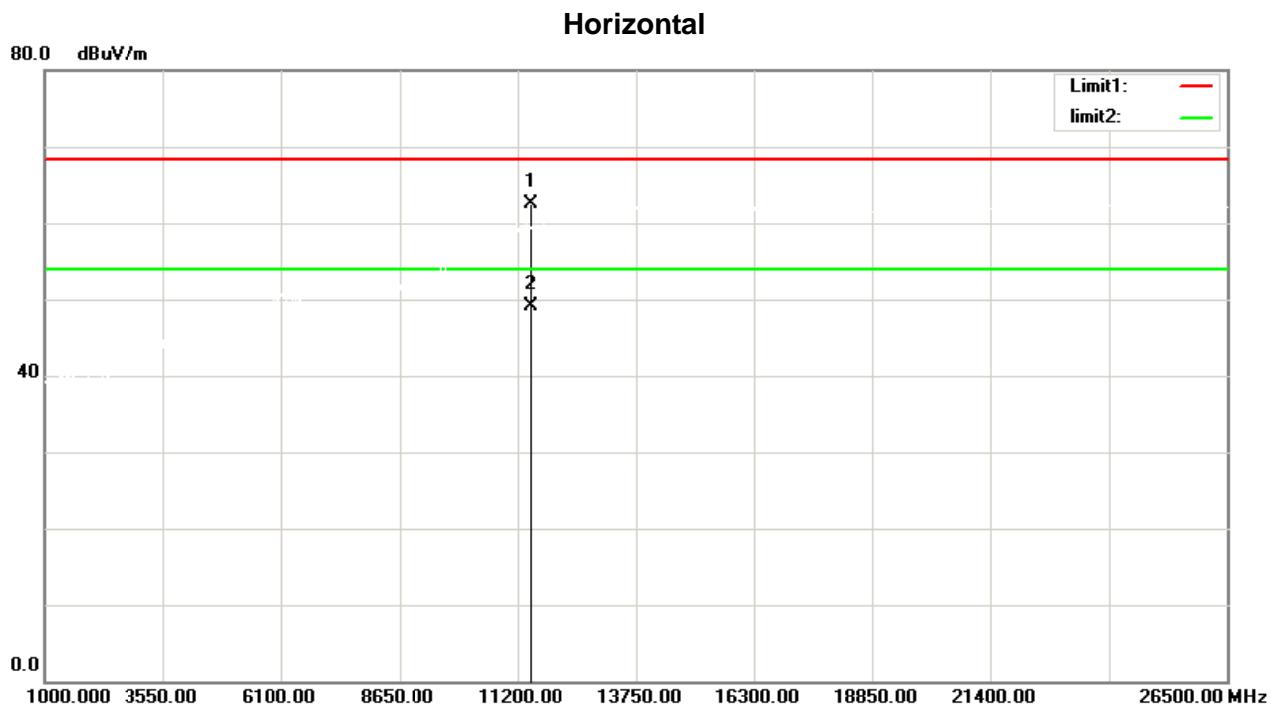
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 10420.150 | 47.55 | 12.66 | 60.21 | 68.30 | -8.09 | peak |
| 2 | 10420.150 | 34.64 | 12.66 | 47.30 | 54.00 | -6.70 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5745 MHz |



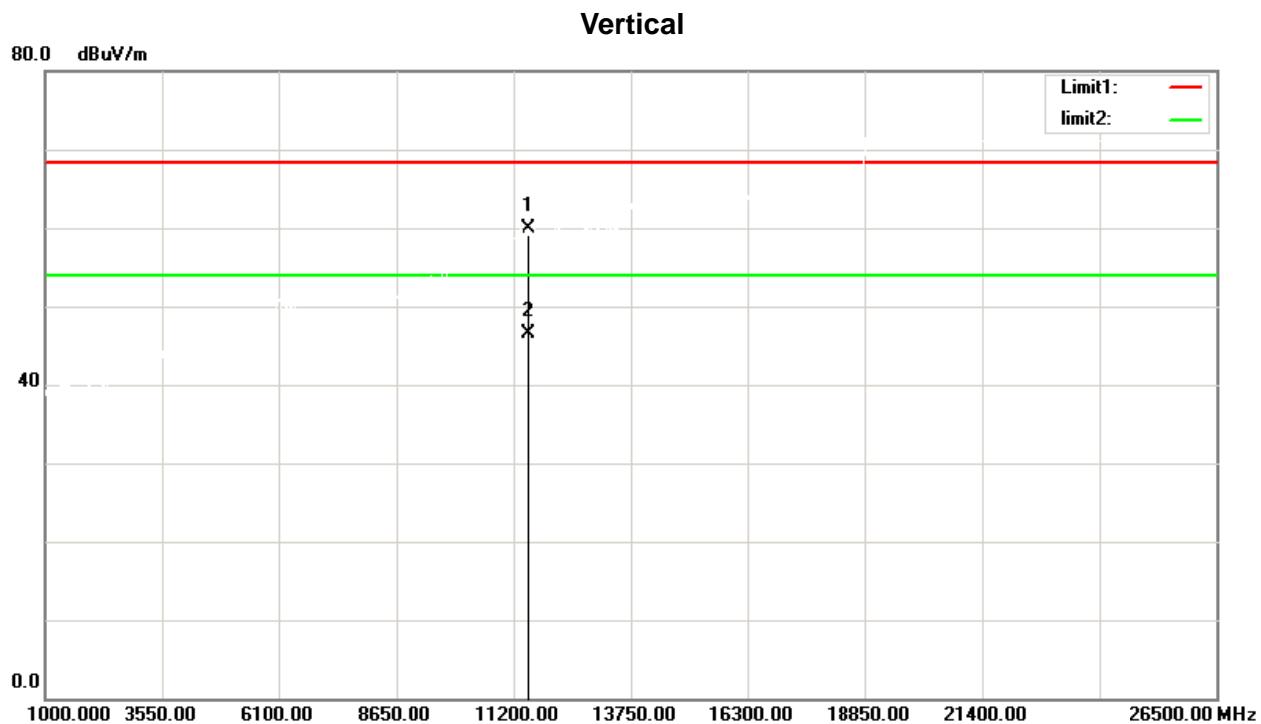
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11489.950 | 44.30 | 14.87 | 59.17 | 68.30 | -9.13 | peak |
| 2 | 11489.950 | 31.52 | 14.87 | 46.39 | 54.00 | -7.61 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5745 MHz |



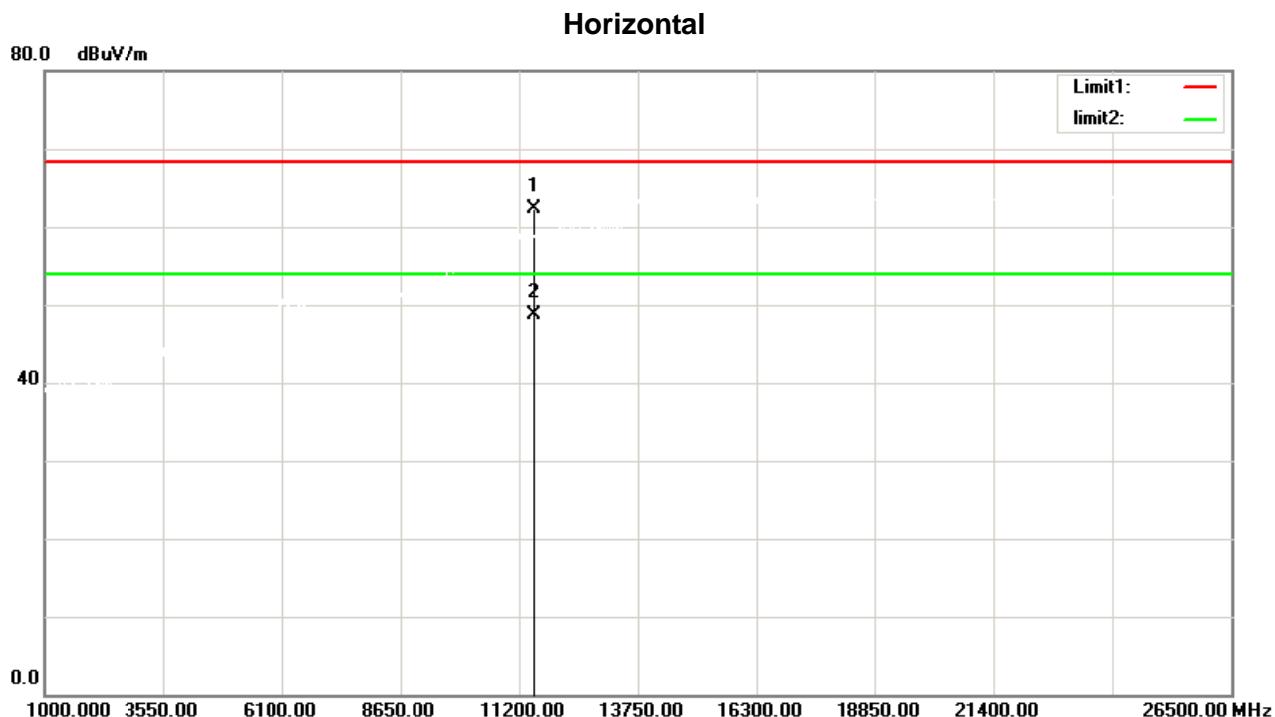
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11490.050 | 47.54 | 14.87 | 62.41 | 68.30 | -5.89 | peak |
| 2 | 11490.050 | 34.33 | 14.87 | 49.20 | 54.00 | -4.80 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5785 MHz |



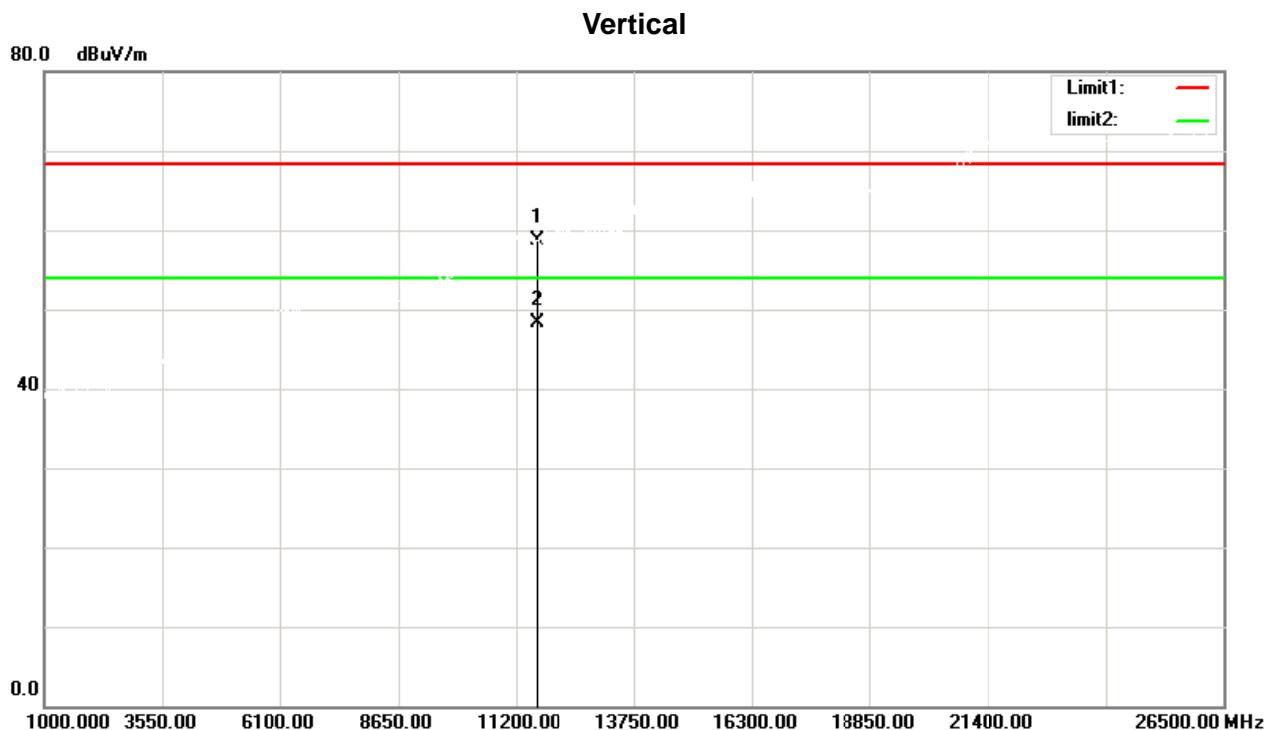
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11510.100 | 44.98 | 14.85 | 59.83 | 68.30 | -8.47 | peak |
| 2 | 11510.100 | 31.74 | 14.85 | 46.59 | 54.00 | -7.41 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5785 MHz |



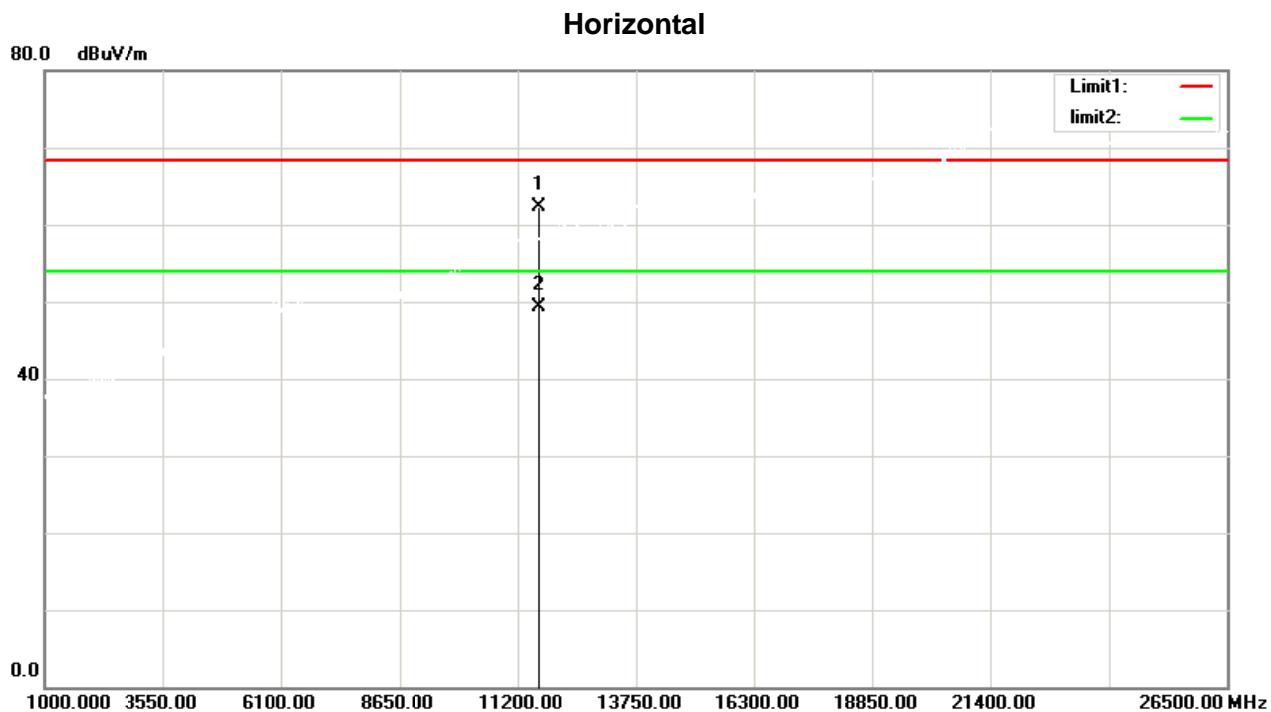
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11510.100 | 47.46 | 14.85 | 62.31 | 68.30 | -5.99 | peak |
| 2 | 11510.100 | 33.88 | 14.85 | 48.73 | 54.00 | -5.27 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5825 MHz |



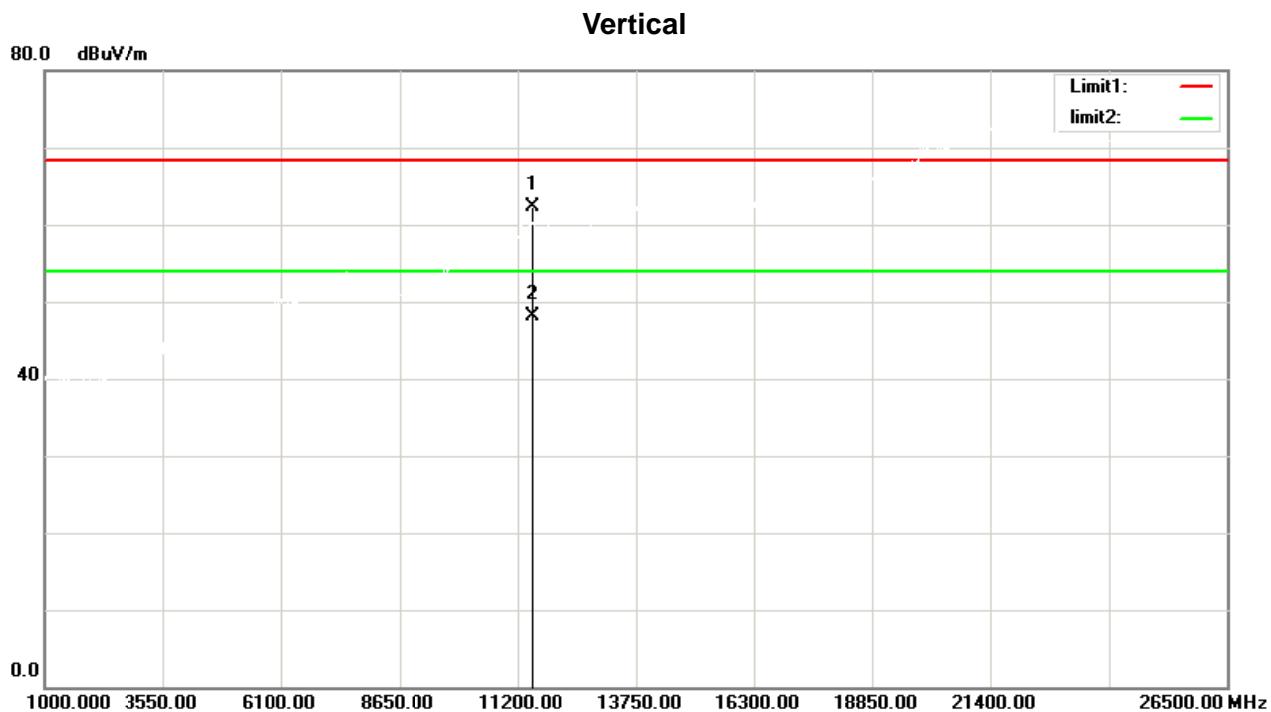
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11650.000 | 43.89 | 14.85 | 58.74 | 68.30 | -9.56 | peak |
| 2 | 11650.000 | 33.55 | 14.85 | 48.40 | 54.00 | -5.60 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT20) Mode 5825 MHz |



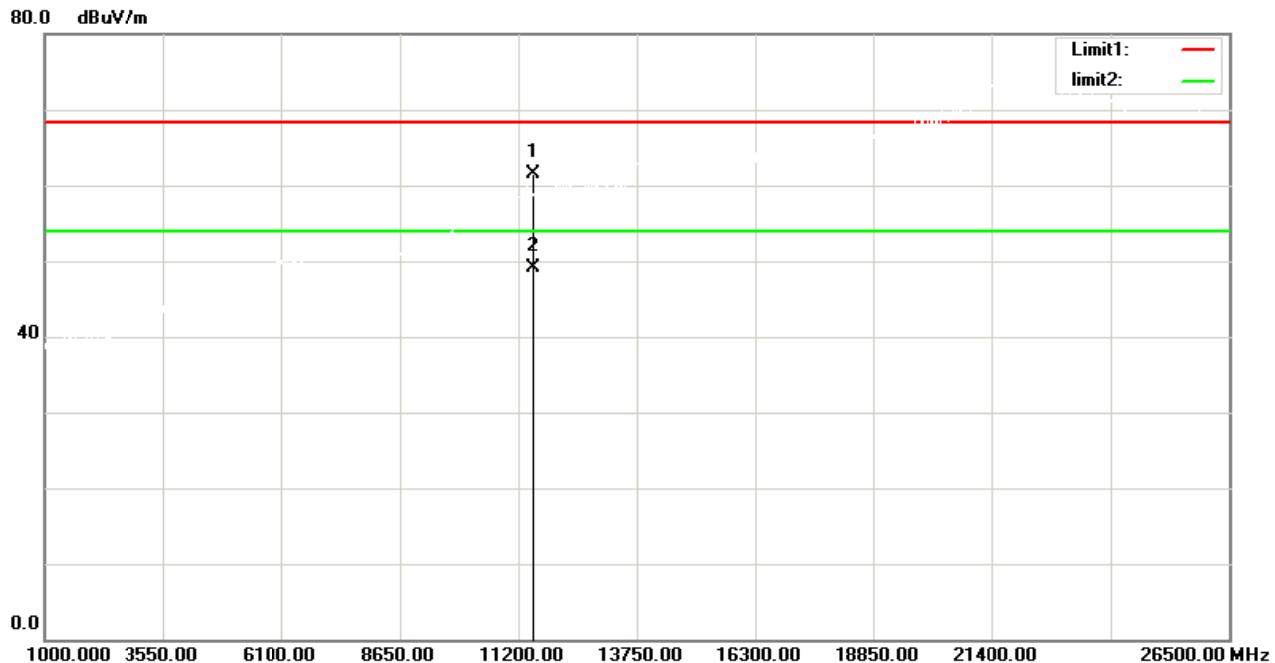
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11650.000 | 47.46 | 14.85 | 62.31 | 68.30 | -5.99 | peak |
| 2 | 11650.000 | 34.45 | 14.85 | 49.30 | 54.00 | -4.70 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT40) Mode 5755 MHz |



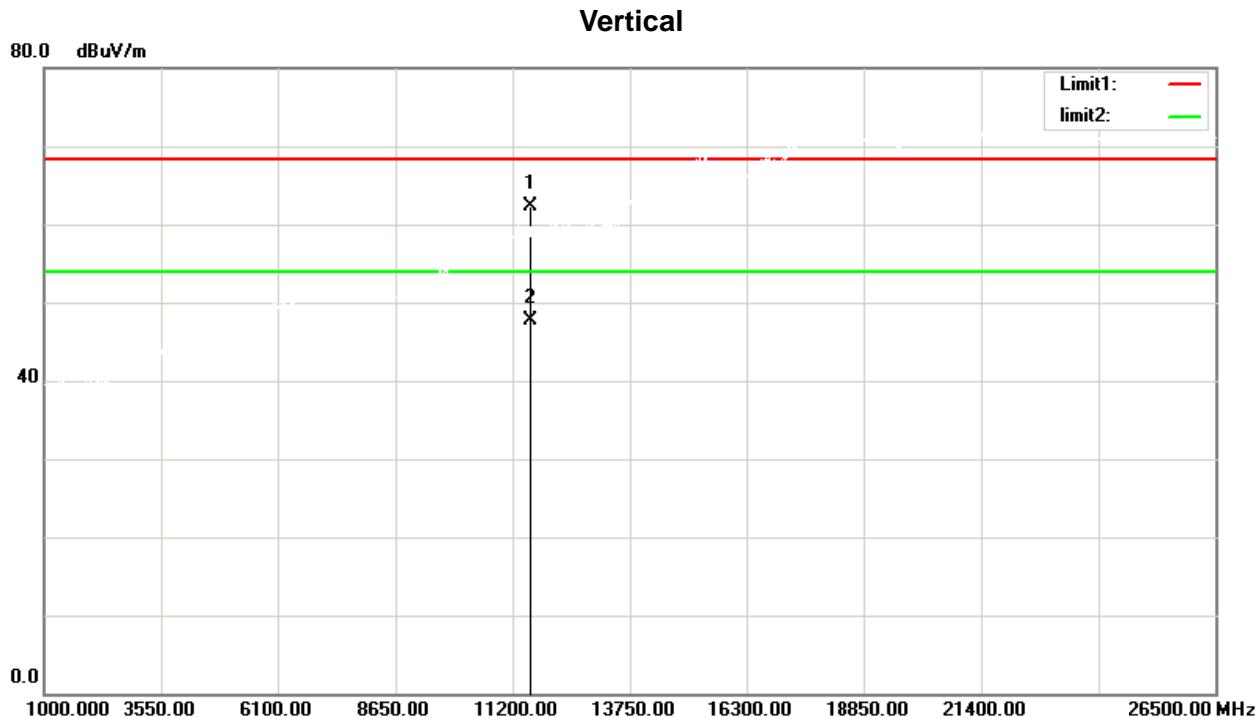
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11526.670 | 47.51 | 14.86 | 62.37 | 68.30 | -5.93 | peak |
| 2 | 11526.670 | 33.15 | 14.86 | 48.01 | 54.00 | -5.99 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT40) Mode 5755 MHz |

Horizontal

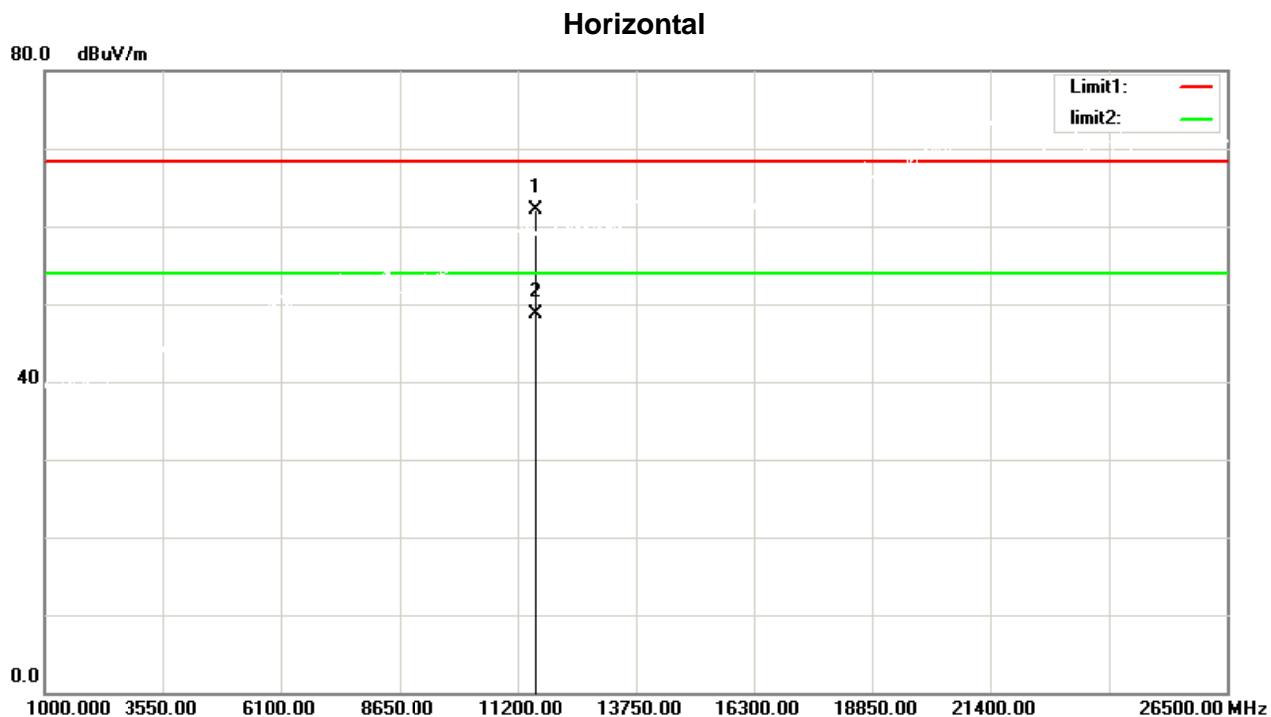
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11523.430 | 46.62 | 14.85 | 61.47 | 68.30 | -6.83 | peak |
| 2 | 11523.430 | 34.17 | 14.85 | 49.02 | 54.00 | -4.98 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT40) Mode 5795 MHz |



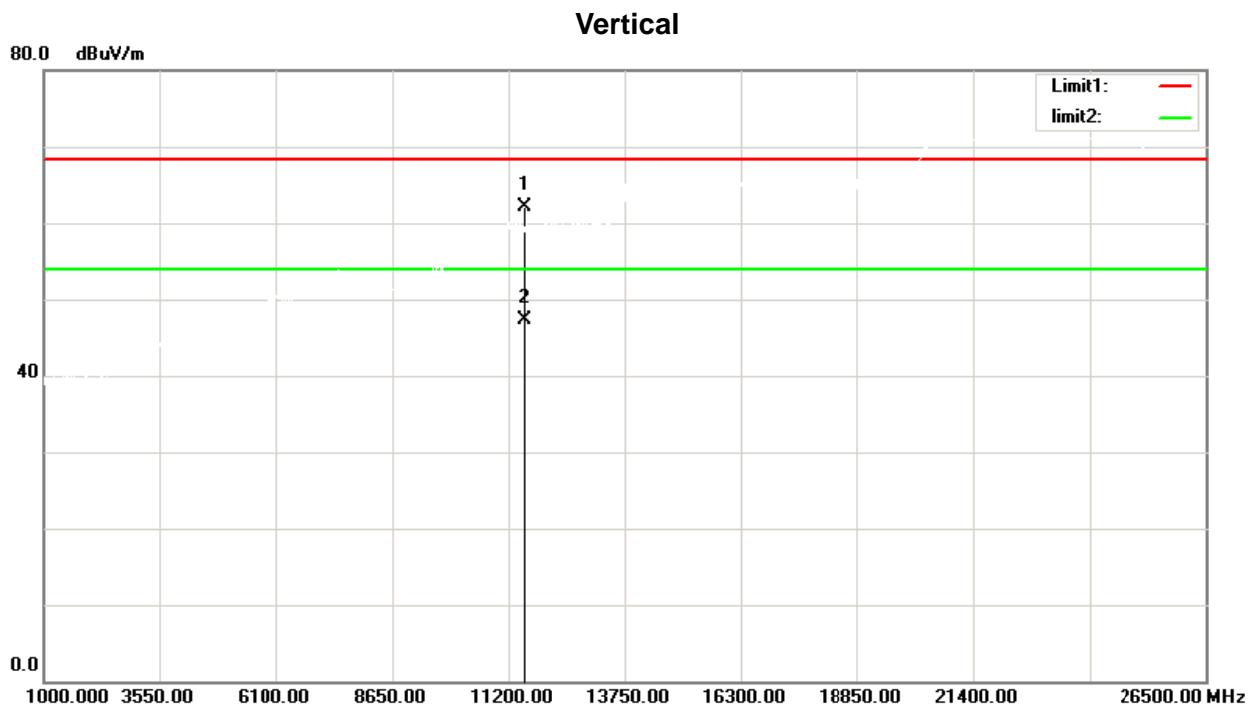
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11600.100 | 47.49 | 14.85 | 62.34 | 68.30 | -5.96 | peak |
| 2 | 11600.100 | 32.90 | 14.85 | 47.75 | 54.00 | -6.25 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT40) Mode 5795 MHz |



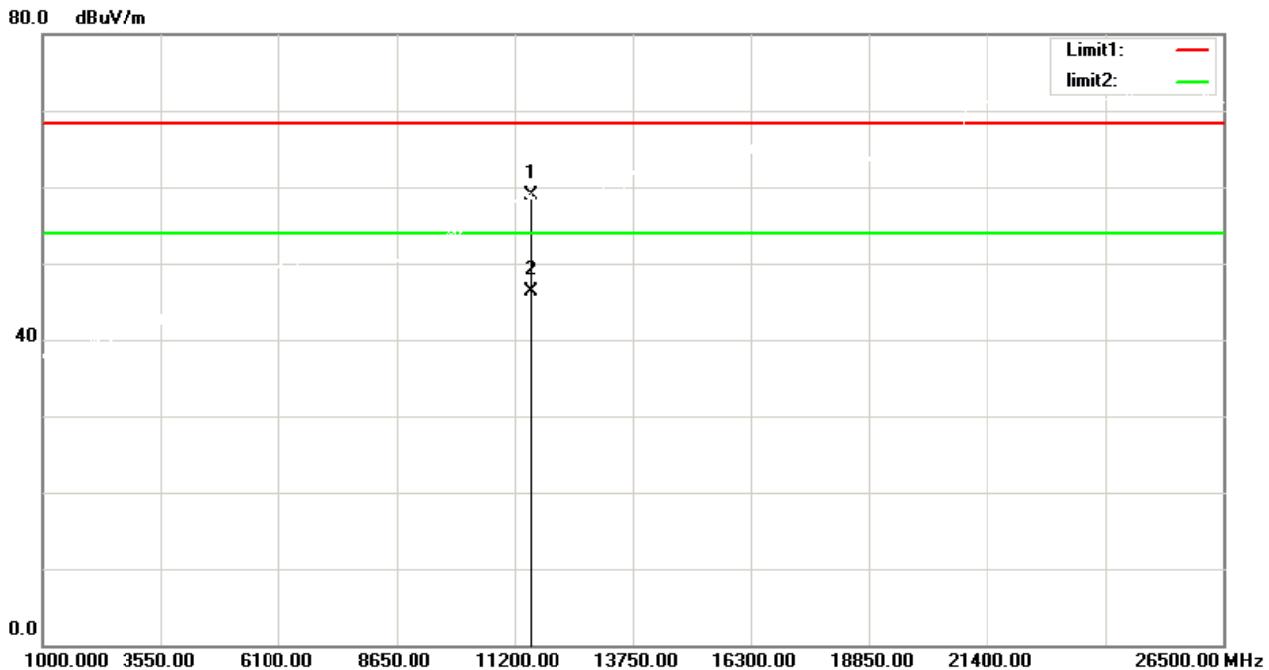
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11583.750 | 47.17 | 14.86 | 62.03 | 68.30 | -6.27 | peak |
| 2 | 11583.750 | 33.86 | 14.86 | 48.72 | 54.00 | -5.28 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT80) Mode 5775 MHz |



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11550.230 | 47.18 | 14.85 | 62.03 | 68.30 | -6.27 | peak |
| 2 | 11550.230 | 32.39 | 14.85 | 47.24 | 54.00 | -6.76 | AVG |

| | |
|-----------------|------------------------------------|
| Orthogonal Axis | X |
| Test Mode | UNII-3_TX AC (VHT80) Mode 5775 MHz |

Horizontal

| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 11550.230 | 44.15 | 14.85 | 59.00 | 68.30 | -9.30 | peak |
| 2 | 11550.230 | 31.45 | 14.85 | 46.30 | 54.00 | -7.70 | AVG |

6. BANDWIDTH TEST

6.1 LIMIT

| FCC Part15, Subpart E (15.407) RSS-Gen and RSS-247 | | | |
|--|-----------------|-----------------|-----------------------|
| Section | Test Item | Limit | Frequency Range (MHz) |
| 15.407(a) 15.407(e) RSS-247 6.2.1.1 RSS-247 6.2.4.1 | 26 dB Bandwidth | - | 5150-5250 |
| | 6dB Bandwidth | Minimum 500 kHz | 5725-5850 |

6.2 TEST PROCEDURE AND SETTING

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below

b. Spectrum Setting:

For UNII-1:

| Spectrum Parameter | Setting |
|--------------------|---|
| Attenuation | Auto |
| Span Frequency | > 26dB Bandwidth |
| RBW | 300 kHz (Bandwidth 20 MHz) 1 MHz (Bandwidth 40 MHz and 80 MHz) |
| VBW | 1 MHz (Bandwidth 20 MHz) 3 MHz (Bandwidth 40 MHz and 80 MHz) |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

For UNII-3:

| Spectrum Parameter | Setting |
|--------------------|---------------|
| Attenuation | Auto |
| Span Frequency | 6dB Bandwidth |
| RBW | 100 kHz |
| VBW | 300 kHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

c. Measured the spectrum width with power higher than 26dB / 6dB below carrier.

6.3 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|---------------|-------------|------------|------------------|
| 1 | Spectrum analyzer | KEYSIGHT | N9010A | MY55150427 | 2020/05/27 |
| 2 | Attenuator | Mini-Circuits | BW-S10W2 | 101109 | 2019/12/16 |
| 3 | RF Cable | Mi-cable | C10-01-01-1 | 100309 | 2019/12/16 |

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

UNII-1_TX A Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 36 | 5180 | 20.41 | 16.750 |
| 40 | 5200 | 20.34 | 16.763 |
| 48 | 5240 | 20.16 | 16.708 |

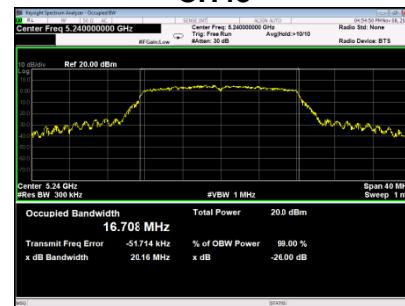
CH36



CH40



CH48



UNII-1_TX N (HT20) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 36 | 5180 | 20.41 | 17.723 |
| 40 | 5200 | 20.37 | 17.716 |
| 48 | 5240 | 20.36 | 17.682 |

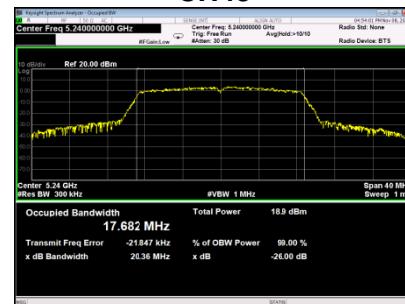
CH36



CH40

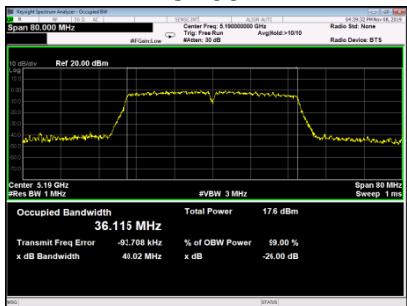
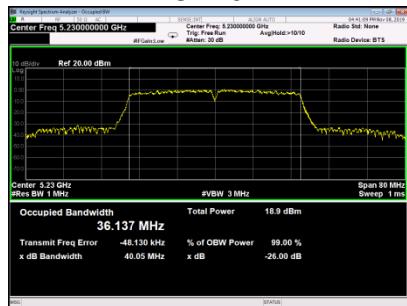


CH48



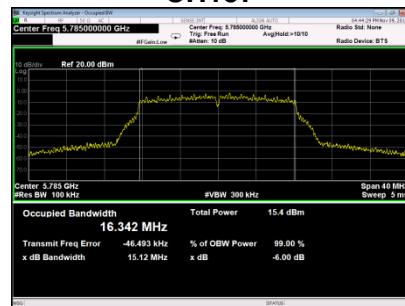
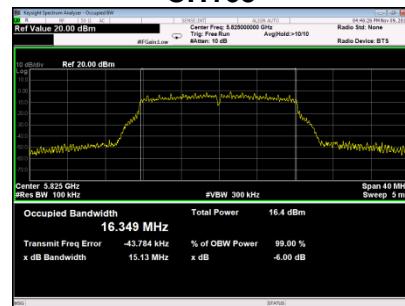
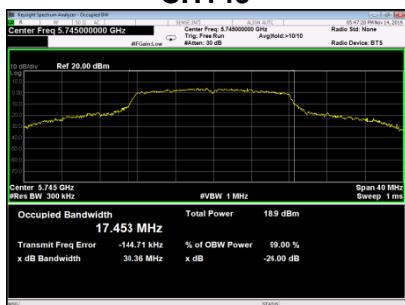
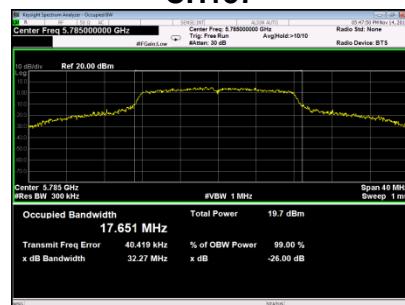
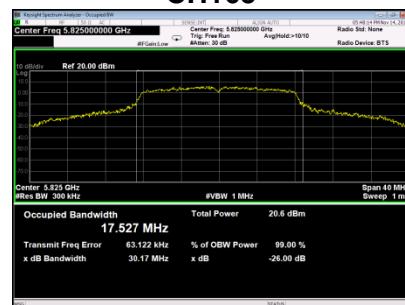
UNII-1_TX N (HT40) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 38 | 5190 | 40.02 | 36.115 |
| 46 | 5230 | 40.05 | 36.137 |

CH38**CH46**

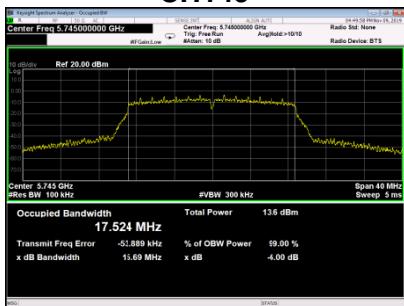
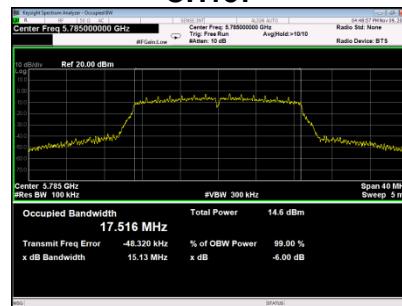
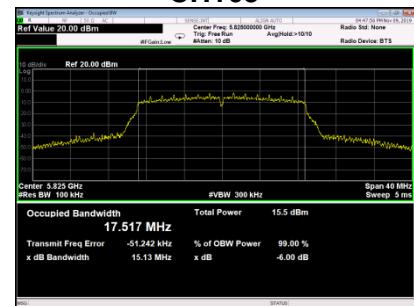
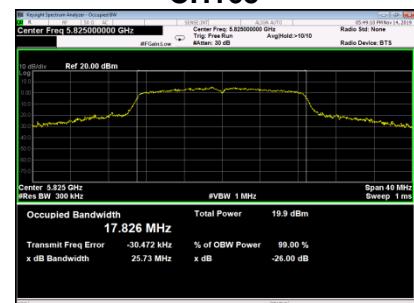
UNII-3_TX A Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
|---------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| 149 | 5745 | 15.72 | 17.543 | 500 | PASS |
| 157 | 5785 | 15.12 | 17.651 | 500 | PASS |
| 165 | 5825 | 15.13 | 17.527 | 500 | PASS |

6 dB Bandwidth**CH149****CH157****CH165****99% Emission Bandwidth****CH149****CH157****CH165**

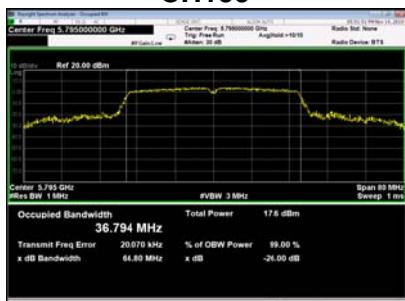
UNII-3_TX N (HT20) Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
|---------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| 149 | 5745 | 15.69 | 17.766 | 500 | PASS |
| 157 | 5785 | 15.13 | 17.745 | 500 | PASS |
| 165 | 5825 | 15.13 | 17.826 | 500 | PASS |

6 dB Bandwidth**CH149****CH157****CH165****99% Emission Bandwidth****CH149****CH157****CH165**

UNII-3_TX N (HT40) Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
|---------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| 151 | 5755 | 35.64 | 36.894 | 500 | PASS |
| 159 | 5795 | 35.16 | 36.794 | 500 | PASS |

6 dB Bandwidth**CH151****CH159****99% Emission Bandwidth****CH151****CH159**

UNII-1_TX AC (VHT20) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 36 | 5180 | 20.43 | 17.685 |
| 40 | 5200 | 20.38 | 17.680 |
| 48 | 5240 | 20.36 | 17.662 |

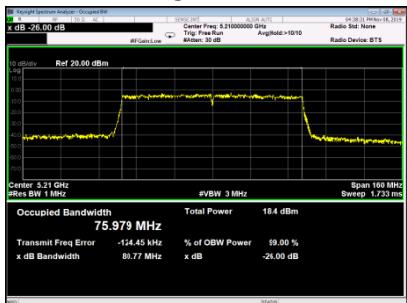
CH36**CH40****CH48****UNII-1_TX AC (VHT40) Mode**

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 38 | 5190 | 39.92 | 36.087 |
| 46 | 5230 | 39.84 | 36.097 |

CH38**CH46**

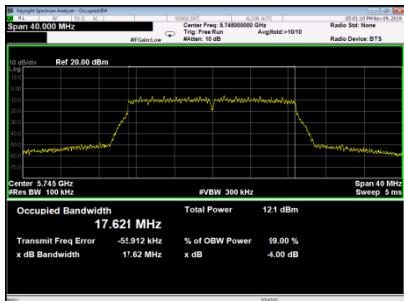
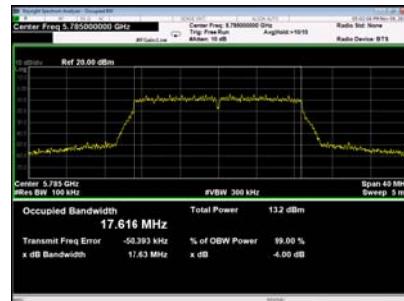
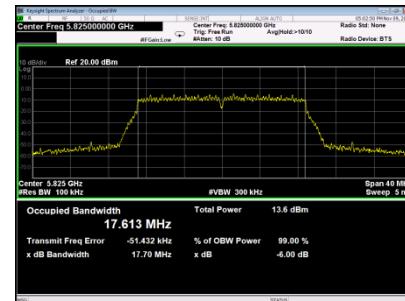
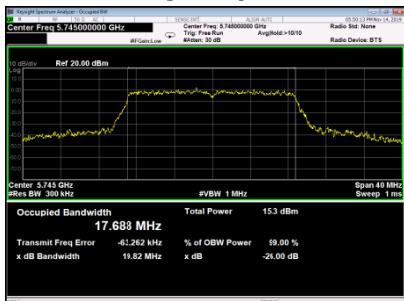
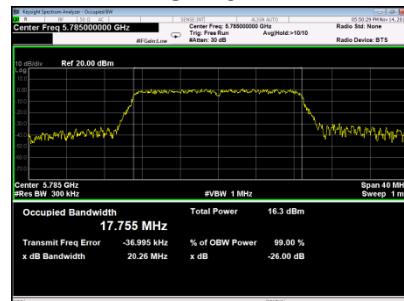
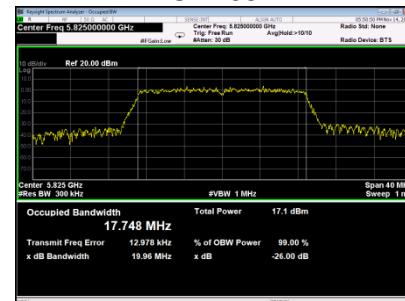
UNII-1_TX AC (VHT80) Mode

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 42 | 5210 | 80.77 | 75.979 |

CH42

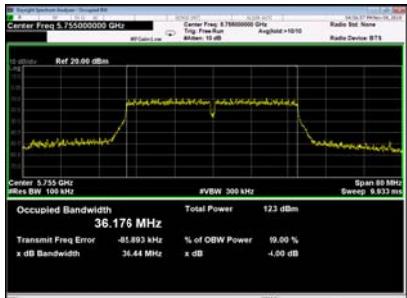
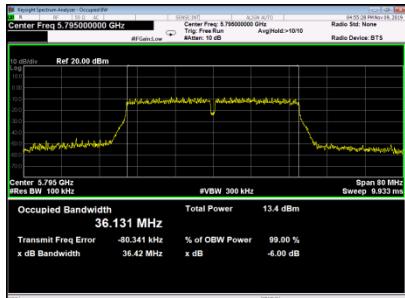
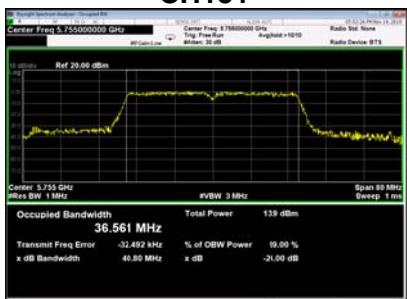
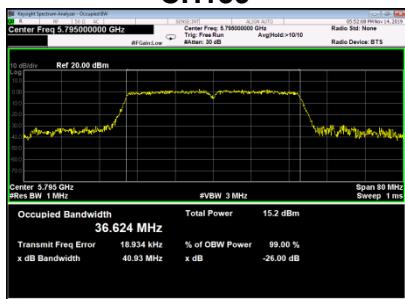
UNII-3_TX AC (VHT20) Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
|---------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| 149 | 5745 | 17.62 | 17.688 | 500 | PASS |
| 157 | 5785 | 17.63 | 17.755 | 500 | PASS |
| 165 | 5825 | 17.70 | 17.748 | 500 | PASS |

6 dB Bandwidth**CH149****CH157****CH165****99% Emission Bandwidth****CH149****CH157****CH165**

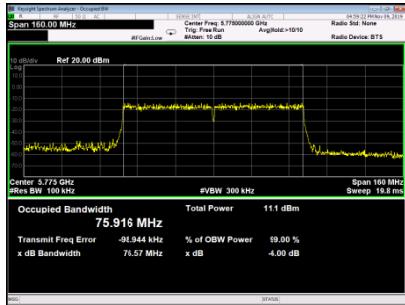
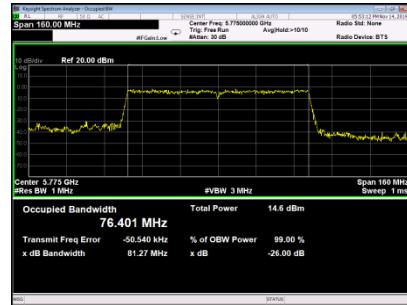
UNII-3_TX AC (VHT40) Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
|---------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| 151 | 5755 | 36.44 | 36.561 | 500 | PASS |
| 159 | 5795 | 36.42 | 36.624 | 500 | PASS |

6 dB Bandwidth**CH151****CH159****99% Emission Bandwidth****CH151****CH159**

UNII-3_TX AC (VHT80) Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
|---------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| 155 | 5775 | 76.57 | 76.401 | 500 | PASS |

6 dB Bandwidth CH155**99% Emission Bandwidth CH155**

7. MAXIMUM OUTPUT POWER TEST

7.1 LIMIT

| FCC Part15, Subpart E (15.407)&RSS-247 | | | |
|--|----------------------|--|-----------------------|
| Section | Test Item | Limit | Frequency Range (MHz) |
| RSS-247 6.2.1.1 | EIRP Output Power | not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less | 5150-5250 |
| 15.407(a) | Maximum Output Power | AP device:1 Watt (30dBm) Client device: 250mW (24dBm) | 5150-5250 |
| 15.407(a) RSS-247 6.2.4.1 | Maximum Output Power | 1 Watt (30dBm) | 5725-5850 |

Note:

- a. For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- b. B is the 99% emission bandwidth in megahertz.

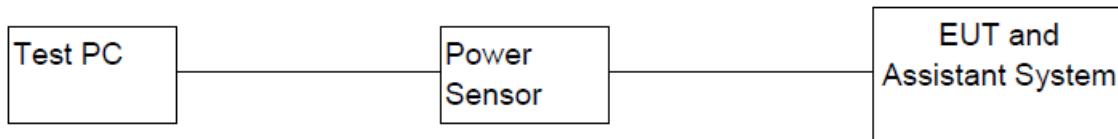
7.2 TEST PROCEDURE AND SETTING

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- b. Test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

7.3 MEASUREMENT INSTRUMENTS LIST

| Item | Equipment | Manufacturer | Model No. | Serial No. | Calibrated until |
|------|---------------|---------------|-------------|------------|------------------|
| 1 | Power Sensor | KEYSIGHT | U2021XA | MY55240009 | 05/27/2020 |
| 2 | Attenuator | Mini-Circuits | BW-S10W2 | 101109 | 12/16/2019 |
| 3 | RF Cable | Micable | C10-01-01-1 | 100309 | 12/16/2019 |
| 4 | Test Software | KEYSIGHT | Power Panel | V3.11 | N/A |

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

| UNII-1_TX A Mode_Ant 1 For FCC | | | | | | | |
|---------------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36 | 5180 | 14.19 | 0.00 | 14.19 | 24.00 | 0.25 | PASS |
| 40 | 5200 | 14.52 | 0.00 | 14.52 | 24.00 | 0.25 | PASS |
| 48 | 5240 | 15.31 | 0.00 | 15.31 | 24.00 | 0.25 | PASS |

| UNII-1_TX A Mode_Ant 2 For FCC | | | | | | | |
|---------------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36 | 5180 | 13.80 | 0.00 | 13.80 | 24.00 | 0.25 | PASS |
| 40 | 5200 | 13.93 | 0.00 | 13.93 | 24.00 | 0.25 | PASS |
| 48 | 5240 | 14.53 | 0.00 | 14.53 | 24.00 | 0.25 | PASS |

| UNII-1_TX A Mode_Ant 1 For IC | | | | | | | |
|--------------------------------------|-----------------|--------------------|-------------|--------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | EIRP + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36 | 5180 | 14.19 | 0.00 | 17.19 | 23.00 | 0.2 | PASS |
| 40 | 5200 | 14.52 | 0.00 | 17.52 | 23.00 | 0.2 | PASS |
| 48 | 5240 | 15.31 | 0.00 | 18.31 | 23.00 | 0.2 | PASS |

| UNII-1_TX A Mode_Ant 2 For IC | | | | | | | |
|--------------------------------------|-----------------|--------------------|-------------|--------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | EIRP + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36 | 5180 | 13.80 | 0.00 | 16.80 | 23.00 | 0.2 | PASS |
| 40 | 5200 | 13.93 | 0.00 | 16.93 | 23.00 | 0.2 | PASS |
| 48 | 5240 | 14.53 | 0.00 | 17.53 | 23.00 | 0.2 | PASS |

| UNII-1_TX N (HT20) Mode_Ant 1 | | | | | | | |
|--------------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36 | 5180 | 13.12 | 0.19 | 13.31 | 24.00 | 0.25 | PASS |
| 40 | 5200 | 13.30 | 0.19 | 13.49 | 24.00 | 0.25 | PASS |
| 48 | 5240 | 13.55 | 0.19 | 13.74 | 24.00 | 0.25 | PASS |

| UNII-1_TX N (HT20) Mode_Ant 2 | | | | | | | |
|--------------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36 | 5180 | 13.01 | 0.19 | 13.20 | 24.00 | 0.25 | PASS |
| 40 | 5200 | 12.98 | 0.19 | 13.17 | 24.00 | 0.25 | PASS |
| 48 | 5240 | 12.25 | 0.19 | 12.44 | 24.00 | 0.25 | PASS |

| UNII-1_TX N (HT20) Mode_Total For FCC | | | | | |
|--|-----------------|--------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36 | 5180 | 16.26 | 24.00 | 0.25 | PASS |
| 40 | 5200 | 16.34 | 24.00 | 0.25 | PASS |
| 48 | 5240 | 16.15 | 24.00 | 0.25 | PASS |

| UNII-1_TX N (HT20) Mode_Total For IC | | | | | |
|---|-----------------|------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | EIRP Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36 | 5180 | 19.26 | 23.00 | 0.2 | PASS |
| 40 | 5200 | 19.34 | 23.00 | 0.2 | PASS |
| 48 | 5240 | 19.15 | 23.00 | 0.2 | PASS |

UNII-1_TX N (HT40) Mode_Ant 1

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 38 | 5190 | 12.76 | 0.37 | 13.13 | 24.00 | 0.25 | PASS |
| 46 | 5230 | 13.23 | 0.37 | 13.60 | 24.00 | 0.25 | PASS |

UNII-1_TX N (HT40) Mode_Ant 2

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 38 | 5190 | 12.64 | 0.37 | 13.01 | 24.00 | 0.25 | PASS |
| 46 | 5230 | 12.97 | 0.37 | 13.34 | 24.00 | 0.25 | PASS |

UNII-1_TX N (HT40) Mode_Total For FCC

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 38 | 5190 | 16.08 | 24.00 | 0.25 | PASS |
| 46 | 5230 | 16.48 | 24.00 | 0.25 | PASS |

UNII-1_TX N (HT40) Mode_Total For IC

| Channel | Frequency (MHz) | EIRP Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------|------------------|----------------|--------|
| 38 | 5190 | 19.08 | 23.00 | 0.2 | PASS |
| 46 | 5230 | 19.48 | 23.00 | 0.2 | PASS |

UNII-3_TX A Mode_Ant1

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 149 | 5745 | 14.74 | 0 | 14.74 | 30.00 | 1.00 | PASS |
| 157 | 5785 | 15.74 | 0 | 15.74 | 30.00 | 1.00 | PASS |
| 165 | 5825 | 16.20 | 0 | 16.20 | 30.00 | 1.00 | PASS |

UNII-3_TX A Mode_Ant2

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 149 | 5745 | 14.36 | 0 | 14.36 | 30.00 | 1.00 | PASS |
| 157 | 5785 | 15.33 | 0 | 15.33 | 30.00 | 1.00 | PASS |
| 165 | 5825 | 15.71 | 0 | 15.71 | 30.00 | 1.00 | PASS |

| UNII-3_TX N (HT20) Mode_Ant1 | | | | | | | |
|-------------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 149 | 5745 | 13.75 | 0.19 | 13.94 | 30.00 | 1.00 | PASS |
| 157 | 5785 | 14.77 | 0.19 | 14.96 | 30.00 | 1.00 | PASS |
| 165 | 5825 | 15.06 | 0.19 | 15.25 | 30.00 | 1.00 | PASS |

| UNII-3_TX N (HT20) Mode_Ant2 | | | | | | | |
|-------------------------------------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 149 | 5745 | 14.95 | 0.19 | 15.14 | 30.00 | 1.00 | PASS |
| 157 | 5785 | 15.29 | 0.19 | 15.48 | 30.00 | 1.00 | PASS |
| 165 | 5825 | 15.57 | 0.19 | 15.76 | 30.00 | 1.00 | PASS |

| UNII-3_TX N (HT20) Mode_Total | | | | | | | |
|--------------------------------------|-----------------|--------------------|--|------------------|----------------|--------|--|
| Channel | Frequency (MHz) | Output Power (dBm) | | Max. Limit (dBm) | Max. Limit (W) | Result | |
| 149 | 5745 | 17.59 | | 30.00 | 1.00 | PASS | |
| 157 | 5785 | 18.24 | | 30.00 | 1.00 | PASS | |
| 165 | 5825 | 18.52 | | 30.00 | 1.00 | PASS | |

UNII-3_TX N (HT40) Mode_Ant 1

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 151 | 5755 | 13.60 | 0.37 | 13.97 | 30.00 | 1.00 | PASS |
| 159 | 5795 | 14.52 | 0.37 | 14.89 | 30.00 | 1.00 | PASS |

UNII-3_TX N (HT40) Mode_Ant 2

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 151 | 5755 | 14.95 | 0.37 | 15.32 | 30.00 | 1.00 | PASS |
| 159 | 5795 | 15.44 | 0.37 | 15.81 | 30.00 | 1.00 | PASS |

UNII-3_TX N (HT40) Mode_Total

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 151 | 5755 | 17.71 | 30.00 | 1.00 | PASS |
| 159 | 5795 | 18.38 | 30.00 | 1.00 | PASS |

| UNII-1_TX AC (VHT20) Mode_Ant 1 | | | | | | | |
|--|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36 | 5180 | 12.91 | 0.19 | 13.10 | 24.00 | 0.25 | PASS |
| 40 | 5200 | 13.35 | 0.19 | 13.54 | 24.00 | 0.25 | PASS |
| 48 | 5240 | 14.02 | 0.19 | 14.21 | 24.00 | 0.25 | PASS |

| UNII-1_TX AC (VHT20) Mode_Ant 2 | | | | | | | |
|--|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 36 | 5180 | 12.41 | 0.19 | 12.60 | 24.00 | 0.25 | PASS |
| 40 | 5200 | 12.97 | 0.19 | 13.16 | 24.00 | 0.25 | PASS |
| 48 | 5240 | 13.75 | 0.19 | 13.94 | 24.00 | 0.25 | PASS |

| UNII-1_TX AC (VHT20) Mode_Total For FCC | | | | | | |
|--|-----------------|--------------------|------------------|----------------|--------|--|
| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result | |
| 36 | 5180 | 15.87 | 24.00 | 0.25 | PASS | |
| 40 | 5200 | 16.37 | 24.00 | 0.25 | PASS | |
| 48 | 5240 | 17.09 | 24.00 | 0.25 | PASS | |

| UNII-1_TX AC (VHT20) Mode_Total For IC | | | | | | |
|---|-----------------|------------------|------------------|----------------|--------|--|
| Channel | Frequency (MHz) | EIRP Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result | |
| 36 | 5180 | 18.87 | 23.00 | 0.2 | PASS | |
| 40 | 5200 | 19.37 | 23.00 | 0.2 | PASS | |
| 48 | 5240 | 20.09 | 23.00 | 0.2 | PASS | |

| UNII-1_TX AC (VHT40) Mode_Ant 1 | | | | | | | |
|--|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38 | 5190 | 13.02 | 0.37 | 13.39 | 24.00 | 0.25 | PASS |
| 46 | 5230 | 13.54 | 0.37 | 13.91 | 24.00 | 0.25 | PASS |

| UNII-1_TX AC (VHT40) Mode_Ant 2 | | | | | | | |
|--|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38 | 5190 | 12.67 | 0.37 | 13.04 | 24.00 | 0.25 | PASS |
| 46 | 5230 | 13.25 | 0.37 | 13.62 | 24.00 | 0.25 | PASS |

| UNII-1_TX AC (VHT40) Mode_Total For FCC | | | | | |
|--|-----------------|--------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38 | 5190 | 16.23 | 24.00 | 0.25 | PASS |
| 46 | 5230 | 16.78 | 24.00 | 0.25 | PASS |

| UNII-1_TX AC (VHT40) Mode_Total For IC | | | | | |
|---|-----------------|-------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | EIRP Power (dBm)) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 38 | 5190 | 19.23 | 23.00 | 0.2 | PASS |
| 46 | 5230 | 19.78 | 23.00 | 0.2 | PASS |

| UNII-1_TX AC (VHT80) Mode_Ant 1 | | | | | | | |
|--|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 42 | 5210 | 13.01 | 0.71 | 13.72 | 24.00 | 0.25 | PASS |

| UNII-1_TX AC (VHT80) Mode_Ant 2 | | | | | | | |
|--|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 42 | 5210 | 12.75 | 0.71 | 13.46 | 24.00 | 0.25 | PASS |

| UNII-1_TX AC (VHT80) Mode_Total For FCC | | | | | |
|--|-----------------|--------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 42 | 5210 | 16.61 | 24.00 | 0.25 | PASS |

| UNII-1_TX AC (VHT80) Mode_Total For IC | | | | | |
|---|-----------------|------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | EIRP Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 42 | 5210 | 19.61 | 23.00 | 0.2 | PASS |

| UNII-3_TX AC (VHT20) Mode_Ant 1 | | | | | | | |
|--|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 149 | 5745 | 13.62 | 0.19 | 13.81 | 30.00 | 1.00 | PASS |
| 157 | 5785 | 14.52 | 0.19 | 14.71 | 30.00 | 1.00 | PASS |
| 165 | 5825 | 15.08 | 0.19 | 15.27 | 30.00 | 1.00 | PASS |

| UNII-3_TX AC (VHT20) Mode_Ant 2 | | | | | | | |
|--|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
| 149 | 5745 | 15.00 | 0.19 | 15.19 | 30.00 | 1.00 | PASS |
| 157 | 5785 | 15.37 | 0.19 | 15.56 | 30.00 | 1.00 | PASS |
| 165 | 5825 | 15.60 | 0.19 | 15.79 | 30.00 | 1.00 | PASS |

| UNII-3_TX AC (VHT20) Mode_Total | | | | | | |
|--|-----------------|--------------------|--|------------------|----------------|--------|
| Channel | Frequency (MHz) | Output Power (dBm) | | Max. Limit (dBm) | Max. Limit (W) | Result |
| 149 | 5745 | 17.57 | | 30.00 | 1.00 | PASS |
| 157 | 5785 | 18.17 | | 30.00 | 1.00 | PASS |
| 165 | 5825 | 18.55 | | 30.00 | 1.00 | PASS |

UNII-3_TX AC (VHT40) Mode_Ant 1

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 151 | 5755 | 13.64 | 0.37 | 14.01 | 30.00 | 1.00 | PASS |
| 159 | 5795 | 14.51 | 0.37 | 14.88 | 30.00 | 1.00 | PASS |

UNII-3_TX AC (VHT40) Mode_Ant 2

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 151 | 5755 | 14.81 | 0.37 | 15.18 | 30.00 | 1.00 | PASS |
| 159 | 5795 | 15.25 | 0.37 | 15.62 | 30.00 | 1.00 | PASS |

UNII-3_TX AC (VHT40) Mode_Total

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 151 | 5755 | 17.65 | 30.00 | 1.00 | PASS |
| 159 | 5795 | 18.28 | 30.00 | 1.00 | PASS |

UNII-3_TX AC (VHT80) Mode_Ant 1

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 155 | 5775 | 13.86 | 0.71 | 14.57 | 30.00 | 1.00 | PASS |

UNII-3_TX AC (VHT80) Mode_Ant2

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|--------|
| 155 | 5775 | 14.45 | 0.71 | 15.16 | 30.00 | 1.00 | PASS |

UNII-3_TX AC (VHT80) Mode_Total

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|--------|
| 155 | 5775 | 17.89 | 30.00 | 1.00 | PASS |

8. POWER SPECTRAL DENSITY TEST

8.1 LIMIT

| FCC Part15, Subpart E (15.407)&RSS-247 | | | |
|--|-----------------------------|--|-----------------------|
| Section | Test Item | Limit | Frequency Range (MHz) |
| RSS-247 6.2.1.2 | EIRP Power Spectral Density | 10dBm/MHz | 5150-5250 |
| 15.407(a) | Power Spectral Density | AP device:17dBm/MHz Client device:11dBm/MHz | 5150-5250 |
| 15.407(a) RSS-247 6.2.4.2 | Power Spectral Density | 30dBm/500kHz | 5725-5850 |

8.2 TEST PROCEDURE AND SETTING

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as shown in the block diagram below.
- b. Spectrum Setting:

| Spectrum Parameter | Setting |
|--------------------|--|
| Attenuation | Auto |
| Span Frequency | Encompass the entire emissions bandwidth (EBW) of the signal |
| RBW | = 1MHz. |
| VBW | \geq 3MHz. |
| Detector | RMS |
| Trace average | 100 trace |
| Sweep Time | Auto |

Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.
2. The value measured with RBW=1MHz is to be added with $10\log(500\text{kHz}/1\text{MHz})$ which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.

8.3 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|---------------|-------------|------------|------------------|
| 1 | Spectrum analyzer | KEYSIGHT | N9010A | MY55150427 | 2020/05/27 |
| 2 | Attenuator | Mini-Circuits | BW-S10W2 | 101109 | 2019/12/16 |
| 3 | RF Cable | Mi-cable | C10-01-01-1 | 100309 | 2019/12/16 |

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

UNII-1_TX A Mode_Ant 1 For FCC

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 36 | 5180 | 2.09 | 0.00 | 2.09 | 11.00 | PASS |
| 40 | 5200 | 2.30 | 0.00 | 2.30 | 11.00 | PASS |
| 48 | 5240 | 3.14 | 0.00 | 3.14 | 11.00 | PASS |

UNII-1_TX A Mode_Ant 1 For IC

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | EIRP Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|---|----------------------|--------|
| 36 | 5180 | 2.09 | 0.00 | 5.09 | 10.00 | PASS |
| 40 | 5200 | 2.30 | 0.00 | 5.30 | 10.00 | PASS |
| 48 | 5240 | 3.14 | 0.00 | 6.14 | 10.00 | PASS |

CH36



CH40



CH48

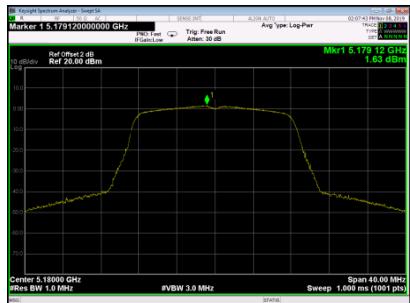
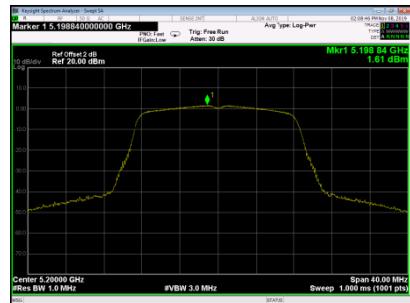


UNII-1_TX A Mode_Ant2 For FCC

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 36 | 5180 | 1.63 | 0.00 | 1.63 | 11.00 | PASS |
| 40 | 5200 | 1.61 | 0.00 | 1.61 | 11.00 | PASS |
| 48 | 5240 | 2.19 | 0.00 | 2.19 | 11.00 | PASS |

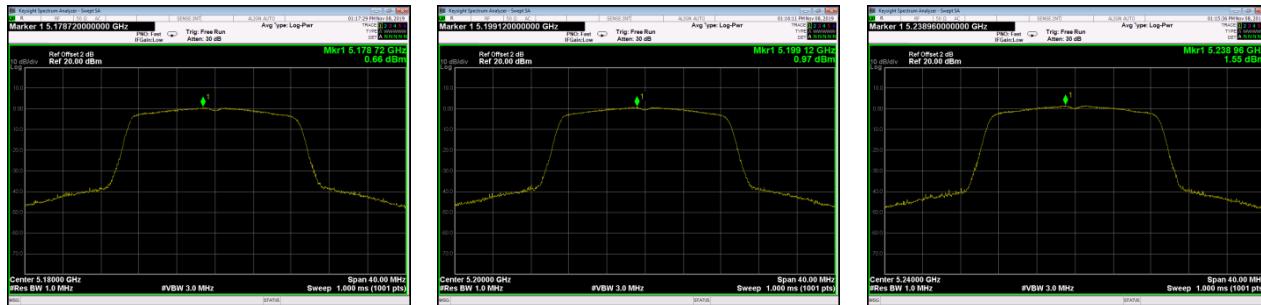
UNII-1_TX A Mode_Ant2 For IC

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | EIRP Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|---|----------------------|--------|
| 36 | 5180 | 1.63 | 0.00 | 4.63 | 10.00 | PASS |
| 40 | 5200 | 1.61 | 0.00 | 4.61 | 10.00 | PASS |
| 48 | 5240 | 2.19 | 0.00 | 5.19 | 10.00 | PASS |

CH36**CH40****CH48**

UNII-1_TX N (HT20) Mode_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 36 | 5180 | 0.66 | 0.19 | 0.85 | 11.00 | PASS |
| 40 | 5200 | 0.97 | 0.19 | 1.16 | 11.00 | PASS |
| 48 | 5240 | 1.55 | 0.19 | 1.74 | 11.00 | PASS |

CH36**CH40****CH48****UNII-1_TX N (HT20) Mode_Ant 2**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 36 | 5180 | -0.01 | 0.19 | 0.18 | 11.00 | PASS |
| 40 | 5200 | 0.35 | 0.19 | 0.54 | 11.00 | PASS |
| 48 | 5240 | 0.87 | 0.19 | 1.06 | 11.00 | PASS |

CH36**CH40****CH48****UNII-1_TX N (HT20) Mode_Total For FCC**

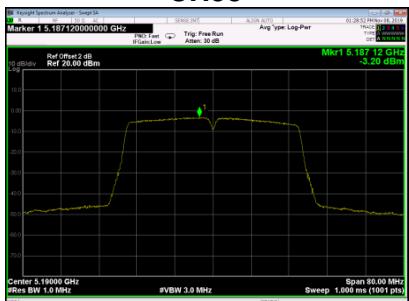
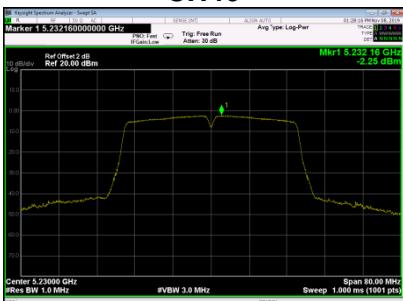
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 36 | 5180 | 3.54 | 11.00 | PASS |
| 40 | 5200 | 0.54 | 11.00 | PASS |
| 48 | 5240 | 1.06 | 11.00 | PASS |

UNII-1_TX N (HT20) Mode_Total For IC

| Channel | Frequency (MHz) | EIRP Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|---------------------------------------|----------------------|--------|
| 36 | 5180 | 6.54 | 10.00 | PASS |
| 40 | 5200 | 3.54 | 10.00 | PASS |
| 48 | 5240 | 4.06 | 10.00 | PASS |

UNII-1_TX N (HT40) Mode_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 38 | 5190 | -3.20 | 0.37 | -2.83 | 11.00 | PASS |
| 46 | 5230 | -2.25 | 0.37 | -1.88 | 11.00 | PASS |

CH38**CH46****UNII-1_TX N (HT40) Mode_Ant2**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 38 | 5190 | -3.80 | 0.37 | -3.43 | 11.00 | PASS |
| 46 | 5230 | -3.38 | 0.37 | -3.01 | 11.00 | PASS |

CH38**CH46****UNII-1_TX N (HT40) Mode _Total For FCC**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 38 | 5190 | -0.11 | 11.00 | PASS |
| 46 | 5230 | 0.60 | 11.00 | PASS |

UNII-1_TX N (HT40) Mode _Total For IC

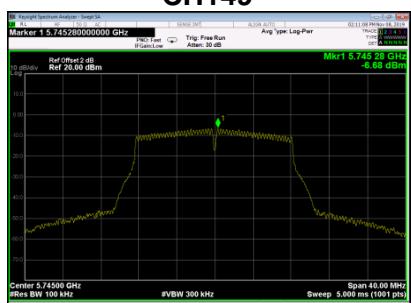
| Channel | Frequency (MHz) | EIRP Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|---------------------------------------|----------------------|--------|
| 38 | 5190 | 2.89 | 10.00 | PASS |
| 46 | 5230 | 3.60 | 10.00 | PASS |

UNII-3_TX A Mode_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 149 | 5745 | -8.17 | 0.00 | -8.17 | 30.00 | PASS |
| 157 | 5785 | -6.87 | 0.00 | -6.87 | 30.00 | PASS |
| 165 | 5825 | -2.89 | 0.00 | -2.89 | 30.00 | PASS |

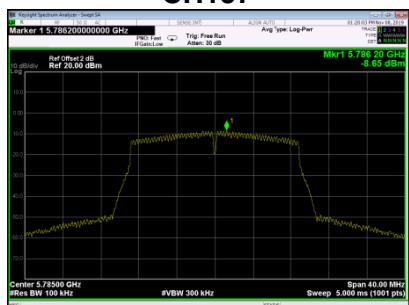
CH149**CH157****CH165****UNII-3_TX A Mode_Ant2**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 149 | 5745 | -6.68 | 0.00 | -6.68 | 30.00 | PASS |
| 157 | 5785 | -6.19 | 0.00 | -6.19 | 30.00 | PASS |
| 165 | 5825 | -6.02 | 0.00 | -6.02 | 30.00 | PASS |

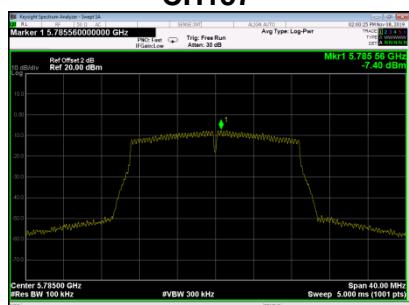
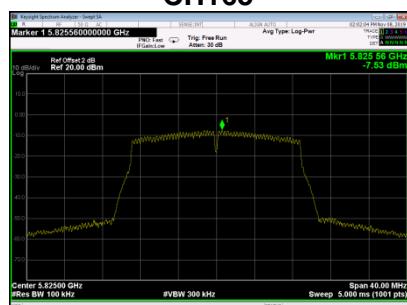
CH149**CH157****CH165**

UNII-3_TX N (HT20) Mode_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 149 | 5745 | -9.66 | 0.19 | -9.47 | 30.00 | PASS |
| 157 | 5785 | -8.65 | 0.19 | -8.46 | 30.00 | PASS |
| 165 | 5825 | -8.02 | 0.19 | -7.83 | 30.00 | PASS |

CH149**CH157****CH165****UNII-3_TX N (HT20) Mode_Ant2**

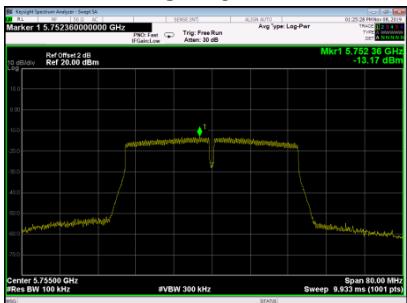
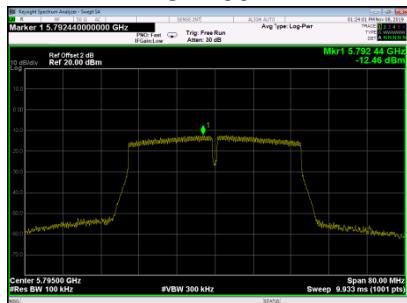
| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 149 | 5745 | -8.23 | 0.19 | -8.04 | 30.00 | PASS |
| 157 | 5785 | -7.40 | 0.19 | -7.21 | 30.00 | PASS |
| 165 | 5825 | -7.53 | 0.19 | -7.34 | 30.00 | PASS |

CH149**CH157****CH165****UNII-3_TX N (HT20) Mode_Total**

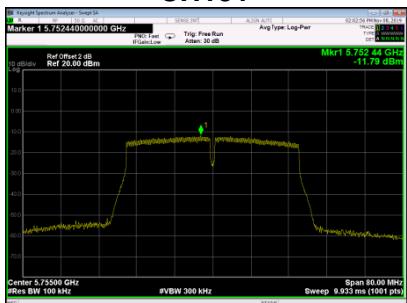
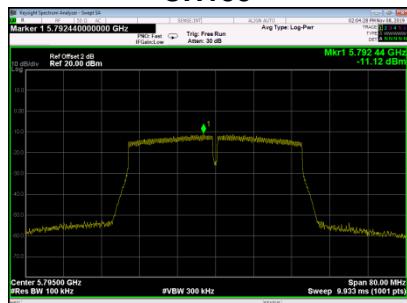
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|----------------------------------|--------------------------|--------|
| 149 | 5745 | -5.69 | 30.00 | PASS |
| 157 | 5785 | -4.78 | 30.00 | PASS |
| 165 | 5825 | -4.57 | 30.00 | PASS |

UNII-3_TX N (HT40) Mode_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 151 | 5755 | -13.17 | 0.37 | -12.8 | 30.00 | PASS |
| 159 | 5795 | -12.46 | 0.37 | -12.09 | 30.00 | PASS |

CH151**CH159****UNII-3_TX N (HT40) Mode_Ant2**

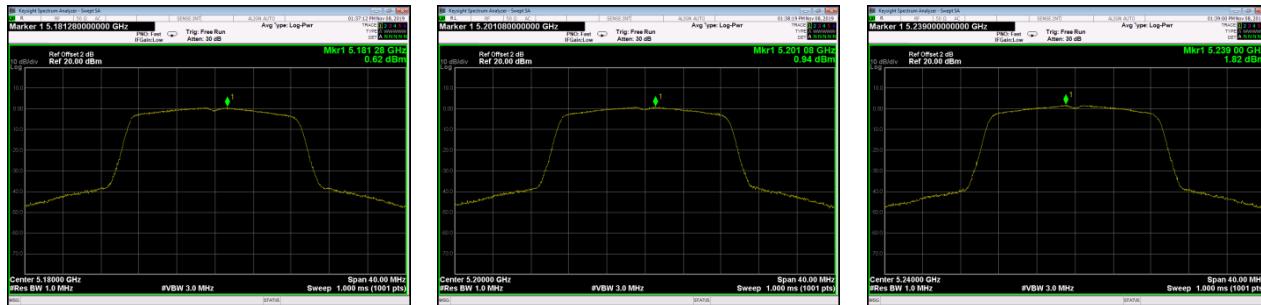
| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 151 | 5755 | -11.79 | 0.37 | -11.42 | 30.00 | PASS |
| 159 | 5795 | -11.12 | 0.37 | -10.75 | 30.00 | PASS |

CH151**CH159****UNII-3_TX N (HT40) Mode_Total**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|----------------------------------|--------------------------|--------|
| 151 | 5755 | -9.05 | 30.00 | PASS |
| 159 | 5795 | -8.36 | 30.00 | PASS |

UNII-1_TX AC (VHT20) Mode_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 36 | 5180 | 0.62 | 0.19 | 0.81 | 11.00 | PASS |
| 40 | 5200 | 0.94 | 0.19 | 1.13 | 11.00 | PASS |
| 48 | 5240 | 1.82 | 0.19 | 2.01 | 11.00 | PASS |

CH36**CH40****CH48****UNII-1_TX AC (VHT20) Mode_Ant2**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 36 | 5180 | 0.17 | 0.19 | 0.36 | 11.00 | PASS |
| 40 | 5200 | 0.24 | 0.19 | 0.43 | 11.00 | PASS |
| 48 | 5240 | 0.79 | 0.19 | 0.98 | 11.00 | PASS |

CH36**CH40****CH48****UNII-1_TX AC (VHT20) Mode_Total For FCC**

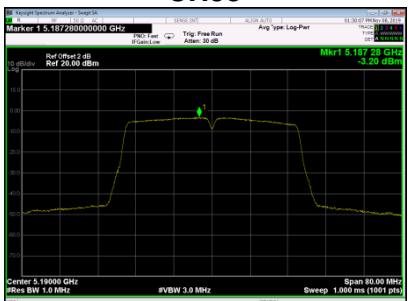
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 36 | 5180 | 3.60 | 11.00 | PASS |
| 40 | 5200 | 3.80 | 11.00 | PASS |
| 48 | 5240 | 4.54 | 11.00 | PASS |

UNII-1_TX AC (VHT20) Mode_Total For IC

| Channel | Frequency (MHz) | EIRP Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|---------------------------------------|----------------------|--------|
| 36 | 5180 | 6.60 | 10.00 | PASS |
| 40 | 5200 | 6.80 | 10.00 | PASS |
| 48 | 5240 | 7.54 | 10.00 | PASS |

UNII-1_TX AC (VHT40) Mode_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 38 | 5190 | -3.20 | 0.37 | -2.83 | 11.00 | PASS |
| 46 | 5230 | -2.36 | 0.37 | -1.99 | 11.00 | PASS |

CH38**CH46****UNII-1_TX AC (VHT40) Mode_Ant2**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 38 | 5190 | -3.74 | 0.37 | -3.37 | 11.00 | PASS |
| 46 | 5230 | -3.04 | 0.37 | -2.67 | 11.00 | PASS |

CH38**CH46****UNII-1_TX AC (VHT40) Mode_Total For FCC**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 38 | 5190 | -0.08 | 11.00 | PASS |
| 46 | 5230 | 0.69 | 11.00 | PASS |

UNII-1_TX AC (VHT40) Mode_Total For IC

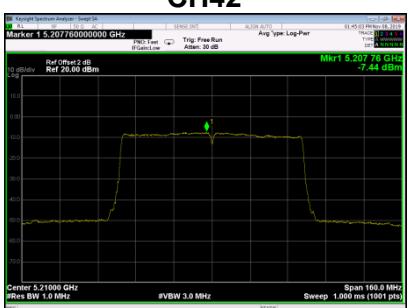
| Channel | Frequency (MHz) | EIRP Power Spectral Density(dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|--------------------------------------|----------------------|--------|
| 38 | 5190 | 2.92 | 10.00 | PASS |
| 46 | 5230 | 3.69 | 10.00 | PASS |

UNII-1_TX AC (VHT80) Mode_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 42 | 5210 | -6.85 | 0.71 | -6.14 | 11.00 | PASS |

CH42**UNII-1_TX AC (VHT80) Mode_Ant2**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|-------------|--|----------------------|--------|
| 42 | 5210 | -7.44 | 0.71 | -6.73 | 11.00 | PASS |

CH42**UNII-1_TX AC (VHT80) Mode_Total For FCC**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|----------------------------------|----------------------|--------|
| 42 | 5210 | -3.41 | 11.00 | PASS |

UNII-1_TX AC (VHT80) Mode_Total For IC

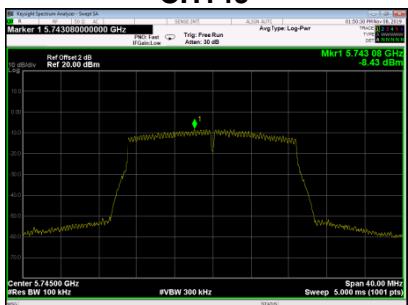
| Channel | Frequency (MHz) | EIRP Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---------|-----------------|---------------------------------------|----------------------|--------|
| 42 | 5210 | -0.41 | 10.00 | PASS |

UNII-3_TX AC (VHT20) Mode_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 149 | 5745 | -9.45 | 0.19 | -9.26 | 30.00 | PASS |
| 157 | 5785 | -8.57 | 0.19 | -8.38 | 30.00 | PASS |
| 165 | 5825 | -8.03 | 0.19 | -7.84 | 30.00 | PASS |

CH149**CH157****CH165****UNII-3_TX AC (VHT20) Mode_Ant2**

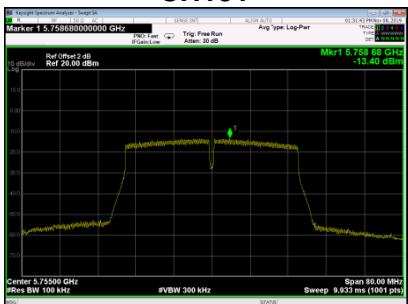
| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 149 | 5745 | -8.43 | 0.19 | -8.24 | 30.00 | PASS |
| 157 | 5785 | -7.79 | 0.19 | -7.60 | 30.00 | PASS |
| 165 | 5825 | -7.42 | 0.19 | -7.23 | 30.00 | PASS |

CH149**CH157****CH165****UNII-3_TX AC (VHT20) Mode_Total**

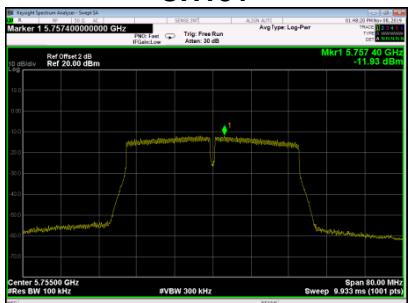
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|----------------------------------|--------------------------|--------|
| 149 | 5745 | -5.71 | 30.00 | PASS |
| 157 | 5785 | -4.96 | 30.00 | PASS |
| 165 | 5825 | -4.51 | 30.00 | PASS |

UNII-3_TX AC (VHT40) Mode_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 151 | 5755 | -13.40 | 0.37 | -13.03 | 30.00 | PASS |
| 159 | 5795 | -12.36 | 0.37 | -11.99 | 30.00 | PASS |

CH151**CH159****UNII-3_TX AC (VHT40) Mode_Ant2**

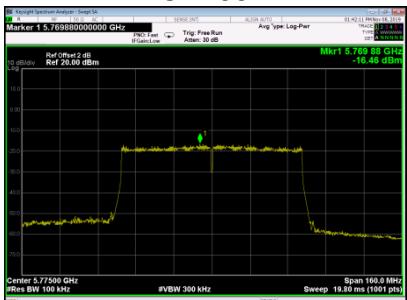
| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 151 | 5755 | -11.93 | 0.37 | -11.56 | 30.00 | PASS |
| 159 | 5795 | -11.44 | 0.37 | -11.07 | 30.00 | PASS |

CH151**CH159****UNII-3_TX AC (VHT40) Mode_Total**

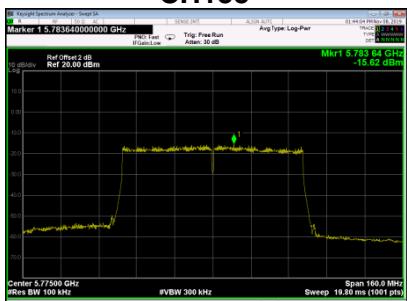
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|----------------------------------|--------------------------|--------|
| 151 | 5755 | -9.22 | 30.00 | PASS |
| 159 | 5795 | -8.50 | 30.00 | PASS |

UNII-3_TX AC (VHT80) Mode_Ant 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 155 | 5775 | -16.46 | 0.71 | -15.75 | 30.00 | PASS |

CH155**UNII-3_TX AC (VHT80) Mode_Ant2**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|--------------------------------------|-------------|--|--------------------------|--------|
| 155 | 5775 | -15.62 | 0.71 | -14.91 | 30.00 | PASS |

CH155**UNII-3_TX AC (VHT80) Mode_Total**

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/500 kHz) | Result |
|---------|-----------------|----------------------------------|--------------------------|--------|
| 155 | 5775 | -12.30 | 30.00 | PASS |

9. FREQUENCY STABILITY MEASUREMENT

9.1 LIMIT

| FCC Part15, Subpart E (15.407)&RSS-GEN | | | |
|--|---------------------|--------------------------------|------------------------|
| Section | Test Item | Limit | Frequency Range (MHz) |
| 15.407(g) RSS-GEN 6.11 | Frequency Stability | Specified in the user's manual | 5150-5250 5725-5850 |

9.2 TEST PROCEDURE AND SETTING

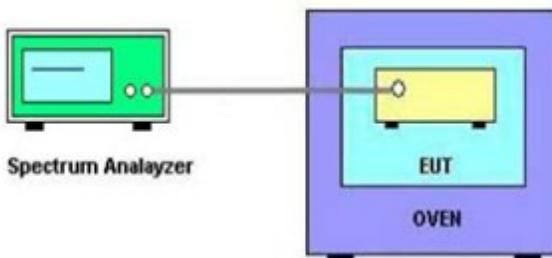
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting:

| Spectrum Parameter | Setting |
|--------------------|--|
| Attenuation | Auto |
| Span Frequency | Entire absence of modulation emissions bandwidth |
| RBW | 10 kHz |
| VBW | 10kHz |
| Sweep Time | Auto |

9.3 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|--------------------------|-------------------|-------------|---------------|------------------|
| 1 | Spectrum analyzer | KEYSIGHT | N9010A | MY55150427 | 2020/05/27 |
| 2 | Attenuator | Mini-Circuits | BW-S10W2 | 101109 | 2019/12/16 |
| 3 | RF Cable | Mi-cable | C10-01-01-1 | 100309 | 2019/12/16 |
| 4 | Temperature conditioning | Guan Jian.HTH1000 | -20-130°C | GJ1000-10D001 | 2019/12/16 |
| 5 | DC Power Supply | G.KE | IPR-10010D | 010931954 | 2019/12/16 |

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

9.6 TEST RESULTS

| Temperature vs. Frequency Stability | | |
|-------------------------------------|-------------|-----------------------------|
| Voltage | Temperature | Measurement Frequency (MHz) |
| 5V | (°C) | 5180 |
| | -20 | 5179.94 |
| | 25 | 5179.93 |
| | 50 | 5179.96 |
| 2.5V | 25 | 5179.91 |
| Max. Deviation (MHz) | | -0.09 |
| Max. Deviation (ppm) | | -17.37 |

| Temperature vs. Frequency Stability | | |
|-------------------------------------|-------------|-----------------------------|
| Voltage | Temperature | Measurement Frequency (MHz) |
| 5V | (°C) | 5745 |
| | -20 | 5744.97 |
| | 25 | 5744.92 |
| | 50 | 5744.98 |
| 2.5V | 25 | 5745.02 |
| Max. Deviation (MHz) | | -0.08 |
| Max. Deviation (ppm) | | -13.93 |

Note: 2.5V is the end point voltage, and products below 2.5V will cease working.