



RF TEST REPORT

FCC ID: G95-FGA2235

According to

47 CFR FCC Part 15, Subpart E(Section 15.407)

Product description : Dual Band Wi-Fi 6 GPON Gateway
 Model No. : FGA2235TCH2
 Series Models. : FGA2235XYZn
 (XYZ stands for customer abbreviation, e.g. VTR; and n in digit 0 ~ 9 means revision roll-up for same customer and n is optional.)
 Trade Mark : 
 Product No. : POC230727009-S002,POC230727009-S003;
 Applicant : Vantiva USA LLC
 4855 Peachtree Industrial Blvd. Suite 200, Norcross, Georgia 30092
 Receipt date : 2023.07.28
 Test date : 2023.08.07~2023.08.30
 Issued Date : 2023.10.12

| Prepared By: | Checked By: | Approved By: |  |
|-------------------|------------------|-----------------|---|
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History of this test report

Original Report Issue Date: 2023.10.12

- No additional attachment
- Additional attachments were issued following record

| Attachment No. | Issue Date | Description |
|----------------|------------|-------------|
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1. General Information

1.1 Applicant

Vantiva USA LLC



4855 Peachtree Industrial Blvd. Suite 200, Norcross, Georgia 30092

1.2 Manufacturer

Vantiva Technologies SAS

8-10 rue du Renard, 75004 Paris, France

1.3 Basic Description of Equipment Under Test

| | | |
|-----------------------|--|---|
| Equipment Name | Dual Band Wi-Fi 6 GPON Gateway | |
| Test Model No. | FGA2235TCH2 | |
| Series Models. | FGA2235XYZn (XYZ stands for customer abbreviation, e.g. VTR; and n in digit 0 ~ 9 means revision roll-up for same customer and n is optional.) | |
| Spec. Difference | All models are identical to each other except for model name. | |
| Trademark |  | |
| Power Supply | 12.0V  2.5A from adapter | |
| Adapter information | Model No.: WY-30B12FU Input: 100-240V~, 50-60Hz, Max 0.9A Output: 12 V 2.5 A Brand: APD Technicolor part No.: 6292506A Model No.: ADS-36LE-12Y 12030EPCU Input: 100-240V~, 50-60Hz, Max 0.8A Output: 12 V 2.5 A Brand: HONOTO Technicolor part No.: 6329747 | |
| Hardware Version | LAB2 | |
| Software Version | 5.02L.07p2_FGA2235TCH2_R1B030 | |
| Operating Temperature | 0°C-45°C | |
| EUT Stage | <input type="radio"/> Product Unit | <input checked="" type="radio"/> Final-Sample |
| Operating Band | 5150MHz ~5250MHz 5250MHz ~5350MHz 5470MHz ~5725MHz 5725MHz ~5850MHz | |
| Product Type | IEEE 802.11a: WLAN (4TX, 4RX) IEEE 802.11n: WLAN (4TX, 4RX) IEEE 802.11ac: WLAN (4TX, 4RX) IEEE 802.11ax: WLAN (4TX, 4RX) | |
| Nominal Bandwidth | 20MHz / 40MHz / 80MHz/ 160MHz | |
| Modulation | IEEE 802.11a: OFDM (BPSK / QPSK / 16QAM / 64QAM) IEEE 802.11n: OFDM (BPSK / QPSK / 16QAM / 64QAM) IEEE 802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) | |

| | | | | |
|----------------------|--|-----------|-----------|-----------|
| | IEEE 802.11ax: OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM) | | | |
| Maximum Output Power | UNII-1_ IEEE 802.11n(HT40):28.97dBm (0.78886 W) UNII-2A_ IEEE 802.11n(HT40):22.96dBm (0.19770 W) UNII-2C_ IEEE 802.11ac(VHT160):23.26dBm (0.21184 W) UNII-3_ IEEE 802.11ax(HE20):29.68dBm (0.92897 W) | | | |
| Data Rate (Mbps) | IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 600 Mbps IEEE 802.11ac: up to 3466.8 Mbps IEEE 802.11ax: up to 4804 Mbps | | | |
| Type of Device | Master device <input type="radio"/> With Bridge <input type="radio"/> With MESH | | | |
| Antenna gain(dBi) | Frequency (MHz) | 5150~5350 | 5470~5725 | 5725~5850 |
| | ANT1 | 5.1 | 4.4 | 3.3 |
| | ANT2 | 4.5 | 4.6 | 4.1 |
| | ANT3 | 3.9 | 3.3 | 3.6 |
| | ANT4 | 4.8 | 4.6 | 4.7 |

| | | | | |
|----------------------------------|---|------------------|-----------------------|---------------------|
| TPC Function | <input type="radio"/> | With TPC | <input type="radio"/> | Without TPC |
| | ●EUT employ a TPC mechanism and TPC have the capability to operate at least 6 dB below highest RF output power. | | | |
| Beamforming Function | <input type="radio"/> | With Beamforming | <input type="radio"/> | Without Beamforming |
| DFS Function (Master devices) | <input type="radio"/> | 5250MHz ~5350MHz | | |
| | <input type="radio"/> | 5470MHz ~5725MHz | | |

| Transmit Operating Mode | |
|-------------------------|----------------------|
| 802.11a | 4TX With CDD |
| 802.11n(HT20MHz) | 4TX With Beamforming |
| 802.11n(HT40MHz) | 4TX With Beamforming |
| 802.11ac(VHT20MHz) | 4TX With Beamforming |
| 802.11ac(VHT40MHz) | 4TX With Beamforming |
| 802.11ac(VHT80MHz) | 4TX With Beamforming |
| 802.11ac(VHT160MHz) | 4TX With Beamforming |
| 802.11ax(HE20MHz) | 4TX With Beamforming |
| 802.11ax(HE40MHz) | 4TX With Beamforming |
| 802.11ax(HE80MHz) | 4TX With Beamforming |
| 802.11ax(HE160MHz) | 4TX With Beamforming |

| Transmit Operating Mode | Frequency (MHz) | Directional Gain (dBi) | |
|--|-----------------|------------------------|-------|
| | | Power spectral density | Power |
| 802.11a_4TX With CDD | 5150~5350 | 7.0 | 5.1 |
| | 5470~5725 | 6.6 | 4.6 |
| | 5725~5850 | 6.3 | 4.7 |
| 802.11n(HT20MHz)_4TX With Beamforming | 5150~5350 | 7.0 | 7.0 |
| | 5470~5725 | 6.6 | 6.6 |
| | 5725~5850 | 6.3 | 6.3 |
| 802.11n(HT40MHz)_4TX With Beamforming | 5150~5350 | 7.0 | 7.0 |
| | 5470~5725 | 6.6 | 6.6 |
| | 5725~5850 | 6.3 | 6.3 |
| 802.11ac(VHT20MHz)_4TX With Beamforming | 5150~5350 | 7.0 | 7.0 |
| | 5470~5725 | 6.6 | 6.6 |
| | 5725~5850 | 6.3 | 6.3 |
| 802.11ac(VHT40MHz)_4TX With Beamforming | 5150~5350 | 7.0 | 7.0 |
| | 5470~5725 | 6.6 | 6.6 |
| | 5725~5850 | 6.3 | 6.3 |
| 802.11ac(VHT80MHz)_4TX With Beamforming | 5150~5350 | 7.0 | 7.0 |
| | 5470~5725 | 6.6 | 6.6 |
| | 5725~5850 | 6.3 | 6.3 |
| 802.11ac(VHT160MHz)_4TX With Beamforming | 5150~5350 | 7.0 | 7.0 |
| | 5470~5725 | 6.6 | 6.6 |
| | 5725~5850 | 6.3 | 6.3 |
| 802.11ax(HE20MHz)_4TX With Beamforming | 5150~5350 | 7.0 | 7.0 |
| | 5470~5725 | 6.6 | 6.6 |
| | 5725~5850 | 6.3 | 6.3 |
| 802.11ax(HE40MHz)_4TX With Beamforming | 5150~5350 | 7.0 | 7.0 |
| | 5470~5725 | 6.6 | 6.6 |
| | 5725~5850 | 6.3 | 6.3 |
| 802.11ax(HE80MHz)_4TX With Beamforming | 5150~5350 | 7.0 | 7.0 |
| | 5470~5725 | 6.6 | 6.6 |
| | 5725~5850 | 6.3 | 6.3 |
| 802.11ax(HE160MHz)_4TX With Beamforming | 5150~5350 | 7.0 | 7.0 |
| | 5470~5725 | 6.6 | 6.6 |
| | 5725~5850 | 6.3 | 6.3 |

Note: Directional gain provided by the manufacturer.

With Beamforming Mode

If all antennas have the same gain, G_{ANT}

Directional gain = $G_{ANT} + 10 \log(N_{ANT}/N_{SS})$ dBi, where N_{SS} = the number of independent spatial streams of data and G_{ANT} is the antenna gain in dBi.

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following two formulas.

Directional gain = $G_{ANT \text{ MAX}} + 10 \log(N_{ANT}/N_{SS})$ dBi, where N_{SS} = the number of independent spatial streams of data and $G_{ANT \text{ MAX}}$ is the gain of the antenna having the highest gain (in dBi).

Or

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;

G_k is the gain in dBi of the k th antenna.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;

G_k is the gain in dBi of the k th antenna.

EUT with the lowest possible NSS =1

With Cyclic Delay Diversity (CDD)

If all antennas have the same gain, G_{ANT} , Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream:

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

or,

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;

G_k is the gain in dBi of the k th antenna.

EUT with the lowest possible NSS =1

| Channel Information | | | |
|-----------------------|-------------------------------|---------------------|----------------|
| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
| 5150-5250 | 802.11a /n /ac /ax (20MHz) | 5180-5240 | 36-48 |
| 5250-5350 | | 5260-5320 | 52-64 |
| 5470-5725 | | 5500-5700 | 100-140 |
| 5725-5850 | | 5745-5825 | 149-165 |
| 5150-5250 | 802.11n /ac /ax (40MHz) | 5190-5230 | 38-46 |
| 5250-5350 | | 5270-5310 | 54-62 |
| 5470-5725 | | 5510-5670 | 102-134 |
| 5725-5850 | | 5755-5795 | 151-159 |
| 5150-5250 | 802.11ac /ax (80MHz) | 5210 | 42 |
| 5250-5350 | | 5290 | 58 |
| 5470-5725 | | 5530-5610 | 106-122 |
| 5725-5850 | | 5775 | 155 |
| 5150-5350 | 802.11ac /ax (160MHz) | 5250 | 50 |
| 5470-5725 | | 5570 | 114 |

Note: For 802.11ax mode only support full RU mode.

2. Summary of Test Results

2.1 Summary of Test Items

| 47 CFR FCC Part 15, Subpart E | | | |
|---|-------------------------------------|------------|-----------------------------------|
| Test item | FCC Clause | Results | Remarks |
| AC Power Conducted Emission | 15.207 15.407(b) | Pass | Meet the requirement of the limit |
| Radiated Emission | 15.205(a) 15.209(a) 15.407(b) | Pass | Meet the requirement of the limit |
| Antenna Requirements | 15.203 | Compliance | Note2 |
| Transmission in the Absence of Data | 15.407 (c) | Pass | NA |
| Spectrum Bandwidth | 15.407(a) 15.407(e) | Pass | Meet the requirement of the limit |
| Conducted Power | 15.407(a) | Pass | Meet the requirement of the limit |
| Power Spectral Density | 15.407(a) | Pass | Meet the requirement of the limit |
| Dynamic Frequency Selection | 15.407(h) | Pass | Meet the requirement of the limit |
| Note: 1. NA denotes Not Applicable in this part. 2. The EUT have 4 internal antennas arrangement which was permanently attached. | | | |

2.2 Application of Standard

47 CFR FCC Part 15, Subpart E

KDB 662911 D01 Multiple Transmitter Output v02r01

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

ANSI C63.10:2013

2.3 Test Instruments

| Radiated Emissions | | | | | | |
|-----------------------|---|------------------------------|-----------------|----------------|---------------------------|-------------------------------|
| No. | Equipment | Manufacturer | Type No. | Serial No. | Cal. date (yyyy/mm/dd) | Cal. Due date (yyyy/mm/dd) |
| 1 | Test receiver | Rohde&Schwarz | ESU | 100184 | 2023/5/3 | 2024/5/2 |
| 2 | Horn Antenna | Schwarzbeck | BBHA 9120 D | 9120D-127 3 | 2023/4/23 | 2024/4/22 |
| 3 | Low frequency amplifier | Unknown | LNA 0920N | 2014 | 2023/5/3 | 2024/5/2 |
| 4 | High frequency amplifier | Schwarzbeck | BBV 9718 | 284 | 2023/5/3 | 2024/5/2 |
| 5 | Loop Antenna | Schwarzbeck | FMZB1519 B | 00029 | 2022/7/4 | 2025/7/3 |
| 6 | Log periodic antenna | Schwarzbeck | VULB 9168 | 1151 | 2023/4/23 | 2024/4/22 |
| 7 | Horn Antenna | Schwarzbeck | BBHA 9120 D | 9120D-127 3 | 2022/5/5 | 2025/5/4 |
| 8 | Horn Antenna | Schwarzbeck | BBHA 9170 | 9170#685 | 2022/7/4 | 2025/7/3 |
| 9 | Temp&Humidity Recorder | Meideshi | JR900 | / | 2023/5/3 | 2024/5/2 |
| 10 | RF cable(966 chamber)9kHz-1 GHz | Unknown | Unknown | Unknown | 2023/5/3 | 2024/5/2 |
| 11 | RF cable(966 chamber)1GHz- 18GHz | Unknown | Unknown | Unknown | 2023/5/3 | 2024/5/2 |
| 12 | RF cable(966 chamber)18GHz -40GHz | Unknown | Unknown | Unknown | 2023/5/3 | 2024/5/2 |
| 13 | Test software | Farad Technology Co., Ltd | EZ-EMC | / | / | / |
| Conducted Emission | | | | | | |
| 1 | Test receiver | Rohde&Schwarz | ESCI | 100718 | 2023/5/3 | 2024/5/2 |
| 2 | LISN | Rohde&Schwarz | ENV216 | 100075 | 2023/5/3 | 2024/5/2 |
| 3 | Pulse limiter | Rohde&Schwarz | ESH3-Z2 | 102299 | 2023/5/3 | 2024/5/2 |
| 4 | RF cable (9kHz-30MHz) | Unknown | Unknown | Unknown | 2023/5/3 | 2024/5/2 |
| 5 | Test software | Farad Technology Co., Ltd | EZ-EMC | / | / | / |
| RF Conducted Emission | | | | | | |
| 1 | MXA Signal Analyzer | Keysight | N9021B | MY60080 169 | 2023/4/23 | 2024/4/22 |
| 2 | RF Control Unit | dsusoft | JS0806-2 | 21G80604 49 | 2023/4/23 | 2024/4/22 |
| 3 | power supply unit | dsusoft | JS0806-4 ADC | N/A | 2023/4/23 | 2024/4/22 |
| 4 | VXG Signal Generator | Keysight | M9384B | MY61270 787 | 2023/4/23 | 2024/4/22 |
| 5 | EXG Analog Signal Generator | Keysight | N5173B | MY59101 282 | 2023/4/23 | 2024/4/22 |
| 6 | Test software | dsusoft | JS1120-3 | / | / | / |

2.4 Operation Mode

The EUT was supplied by and it was run in TX mode that was controlled by Master provided RF testing program. The worst case test result was showed in the report.

Table of Parameters of Text Software Setting:

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

| UNII-1 | | | |
|-----------------------|-------------------------|------|------|
| Test Software Version | accessMTool_REL_3_2_1_3 | | |
| Frequency (MHz) | 5180 | 5200 | 5240 |
| IEEE 802.11a | 81 | 81 | 81 |
| IEEE 802.11n(HT20) | 81 | 82 | 82 |
| IEEE 802.11ac(VHT20) | 81 | 82 | 82 |
| IEEE 802.11ax(HE20) | 81 | 82 | 82 |
| Frequency (MHz) | 5190 | 5230 | |
| IEEE 802.11n(HT40) | 74 | 93 | |
| IEEE 802.11ac(VHT40) | 74 | 93 | |
| IEEE 802.11ax(HE40) | 74 | 93 | |
| Frequency (MHz) | 5210 | | |
| IEEE 802.11ac(VHT80) | 72 | | |
| IEEE 802.11ax(HE80) | 72 | | |

| UNII-2A | | | |
|-----------------------|-------------------------|------|------|
| Test Software Version | accessMTool_REL_3_2_1_3 | | |
| Frequency (MHz) | 5260 | 5300 | 5320 |
| IEEE 802.11a | 62 | 62 | 62 |
| IEEE 802.11n(HT20) | 61 | 61 | 61 |
| IEEE 802.11ac(VHT20) | 61 | 61 | 61 |
| IEEE 802.11ax(HE20) | 61 | 61 | 61 |
| Frequency (MHz) | 5270 | 5310 | |
| IEEE 802.11n(HT40) | 72 | 72 | |
| IEEE 802.11ac(VHT40) | 72 | 72 | |
| IEEE 802.11ax(HE40) | 72 | 72 | |
| Frequency (MHz) | 5290 | | |

| | | | |
|----------------------|----|--|--|
| IEEE 802.11ac(VHT80) | 72 | | |
| IEEE 802.11ax(HE80) | 72 | | |

| UNII-1+UNII-2A | |
|-----------------------|-------------------------|
| Test Software Version | accessMTool_REL_3_2_1_3 |
| Frequency (MHz) | 5250 |
| IEEE 802.11ac(VHT160) | 68 |
| IEEE 802.11ax(HE160) | 68 |

| UNII-2C | | | |
|-----------------------|-------------------------|------|------|
| Test Software Version | accessMTool_REL_3_2_1_3 | | |
| Frequency (MHz) | 5500 | 5580 | 5700 |
| IEEE 802.11a | 60 | 59 | 59 |
| IEEE 802.11n(HT20) | 59 | 58 | 58 |
| IEEE 802.11ac(VHT20) | 59 | 58 | 58 |
| IEEE 802.11ax(HE20) | 59 | 58 | 58 |
| Frequency (MHz) | 5510 | 5550 | 5670 |
| IEEE 802.11n(HT40) | 70 | 70 | 69 |
| IEEE 802.11ac(VHT40) | 70 | 70 | 69 |
| IEEE 802.11ax(HE40) | 70 | 70 | 69 |
| Frequency (MHz) | 5530 | 5610 | |
| IEEE 802.11ac(VHT80) | 72 | 71 | |
| IEEE 802.11ax(HE80) | 72 | 71 | |

| UNII-2C | |
|-----------------------|-------------------------|
| Test Software Version | accessMTool_REL_3_2_1_3 |
| Frequency (MHz) | 5570 |
| IEEE 802.11ac(VHT160) | 70 |
| IEEE 802.11ax(HE160) | 70 |

With Cyclic Delay Diversity (CDD) for 802.11a.

The EUT supports non-beamforming and beamforming modes for 802.11n, 11ac and 802.11ax, both modes have the same power setting, after evaluating, the beamforming mode has been evaluated to be the worst case, so it was selected to Final test.

| UNII-3 | | | |
|-----------------------|-------------------------|------|------|
| Test Software Version | accessMTool_REL_3_2_1_3 | | |
| Frequency (MHz) | 5745 | 5785 | 5825 |
| IEEE 802.11a | 95 | 95 | 95 |
| IEEE 802.11n(HT20) | 95 | 95 | 96 |
| IEEE 802.11ac(VHT20) | 95 | 95 | 96 |
| IEEE 802.11ax(HE20) | 95 | 95 | 96 |
| Frequency (MHz) | 5755 | 5795 | |
| IEEE 802.11n(HT40) | 95 | 95 | |
| IEEE 802.11ac(VHT40) | 95 | 95 | |
| IEEE 802.11ax(HE40) | 95 | 95 | |
| Frequency (MHz) | 5775 | | |
| IEEE 802.11ac(VHT80) | 95 | | |
| IEEE 802.11ax(HE80) | 95 | | |

2.5 Test Condition

| Applicable to | Environmental conditions | Input Power | Tested by |
|-----------------------------------|--------------------------|-------------|-------------|
| AC Power Conducted Emission | 24.3°C, 51% RH | 120V AC | Albert Fan |
| Radiated Emission | 24.2°C, 55% RH | 120V AC | Albert Fan |
| Spectrum Bandwidth | 24.2°C, 52% RH | 120V AC | Jason Huang |
| Conducted Power | 24.2°C, 52% RH | 120V AC | Jason Huang |
| Power Spectral Density | 24.2°C, 52% RH | 120V AC | Jason Huang |
| Dynamic Frequency Selection (DFS) | 24.3°C, 54% RH | 120V AC | Jason Huang |

The applicant declare the operating environment of EUT as below:

Normal conditions: 120V AC, 15~35°C

2.6 Duty Cycle of Test Signal

If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.

All the duty factor of other test mode have been considered.

| TestMode | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Duty Cycle Correction Factor | 1/T Minimum VBW(kHz) | Final VBW(kHz) |
|-------------|---------|-----------|----------------------------|--------------------------|----------------|------------------------------|----------------------|----------------|
| 11A-CDD | Ant1 | 5180 | 2.07 | 2.17 | 95.39 | 0.20 | 0.48 | 1 |
| | Ant2 | 5180 | 2.06 | 2.17 | 94.93 | 0.23 | 0.49 | 1 |
| | Ant3 | 5180 | 2.06 | 2.17 | 94.93 | 0.23 | 0.49 | 1 |
| | Ant4 | 5180 | 2.07 | 2.17 | 95.39 | 0.20 | 0.48 | 1 |
| 11N20MIMO | Ant1 | 5180 | 1.92 | 2.02 | 95.05 | 0.22 | 0.52 | 1 |
| | Ant2 | 5180 | 1.92 | 2.02 | 95.05 | 0.22 | 0.52 | 1 |
| | Ant3 | 5180 | 1.91 | 2.01 | 95.02 | 0.22 | 0.52 | 1 |
| | Ant4 | 5180 | 1.92 | 2.02 | 95.05 | 0.22 | 0.52 | 1 |
| 11N40MIMO | Ant1 | 5190 | 0.95 | 1.05 | 90.48 | 0.43 | 1.05 | 2 |
| | Ant2 | 5190 | 0.94 | 1.04 | 90.38 | 0.44 | 1.06 | 2 |
| | Ant3 | 5190 | 0.95 | 1.04 | 91.35 | 0.39 | 1.05 | 2 |
| | Ant4 | 5190 | 0.94 | 1.04 | 90.38 | 0.44 | 1.06 | 2 |
| 11AC20MIMO | Ant1 | 5180 | 1.93 | 1.96 | 98.47 | 0.07 | 0.52 | 1 |
| | Ant2 | 5180 | 1.92 | 1.95 | 98.46 | 0.07 | 0.52 | 1 |
| | Ant3 | 5180 | 1.93 | 1.95 | 98.97 | 0.04 | 0.52 | 1 |
| | Ant4 | 5180 | 1.92 | 1.95 | 98.46 | 0.07 | 0.52 | 1 |
| 11AC40MIMO | Ant1 | 5190 | 0.95 | 0.98 | 96.94 | 0.13 | 1.05 | 2 |
| | Ant2 | 5190 | 0.95 | 0.98 | 96.94 | 0.13 | 1.05 | 2 |
| | Ant3 | 5190 | 0.95 | 0.98 | 96.94 | 0.13 | 1.05 | 2 |
| | Ant4 | 5190 | 0.95 | 0.98 | 96.94 | 0.13 | 1.05 | 2 |
| 11AC80MIMO | Ant1 | 5210 | 0.46 | 0.49 | 93.88 | 0.27 | 2.17 | 3 |
| | Ant2 | 5210 | 0.46 | 0.49 | 93.88 | 0.27 | 2.17 | 3 |
| | Ant3 | 5210 | 0.46 | 0.49 | 93.88 | 0.27 | 2.17 | 3 |
| | Ant4 | 5210 | 0.46 | 0.49 | 93.88 | 0.27 | 2.17 | 3 |
| 11AC160MIMO | Ant1 | 5250 | 0.25 | 0.28 | 89.29 | 0.49 | 4.00 | 5 |
| | Ant2 | 5250 | 0.25 | 0.28 | 89.29 | 0.49 | 4.00 | 5 |
| | Ant3 | 5250 | 0.25 | 0.28 | 89.29 | 0.49 | 4.00 | 5 |
| | Ant4 | 5250 | 0.25 | 0.28 | 89.29 | 0.49 | 4.00 | 5 |
| 11AX20MIMO | Ant1 | 5180 | 1.48 | 1.52 | 97.37 | 0.12 | 0.68 | 1 |
| | Ant2 | 5180 | 1.49 | 1.52 | 98.03 | 0.09 | 0.67 | 1 |
| | Ant3 | 5180 | 1.49 | 1.52 | 98.03 | 0.09 | 0.67 | 1 |
| | Ant4 | 5180 | 1.49 | 1.52 | 98.03 | 0.09 | 0.67 | 1 |
| 11AX40MIMO | Ant1 | 5190 | 0.78 | 0.81 | 96.3 | 0.16 | 1.28 | 2 |
| | Ant2 | 5190 | 0.78 | 0.81 | 96.3 | 0.16 | 1.28 | 2 |
| | Ant3 | 5190 | 0.78 | 0.81 | 96.3 | 0.16 | 1.28 | 2 |
| | Ant4 | 5190 | 0.78 | 0.81 | 96.3 | 0.16 | 1.28 | 2 |



| | | | | | | | | |
|-------------|------|------|------|------|-------|------|------|---|
| 11AX80MIMO | Ant1 | 5210 | 0.41 | 0.44 | 93.18 | 0.31 | 2.44 | 3 |
| | Ant2 | 5210 | 0.41 | 0.45 | 91.11 | 0.40 | 2.44 | 3 |
| | Ant3 | 5210 | 0.42 | 0.45 | 93.33 | 0.30 | 2.38 | 3 |
| | Ant4 | 5210 | 0.41 | 0.44 | 93.18 | 0.31 | 2.44 | 3 |
| 11AX160MIMO | Ant1 | 5250 | 0.23 | 0.26 | 88.46 | 0.53 | 4.35 | 5 |
| | Ant2 | 5250 | 0.24 | 0.27 | 88.89 | 0.51 | 4.17 | 5 |
| | Ant3 | 5250 | 0.24 | 0.27 | 88.89 | 0.51 | 4.17 | 5 |
| | Ant4 | 5250 | 0.24 | 0.27 | 88.89 | 0.51 | 4.17 | 5 |

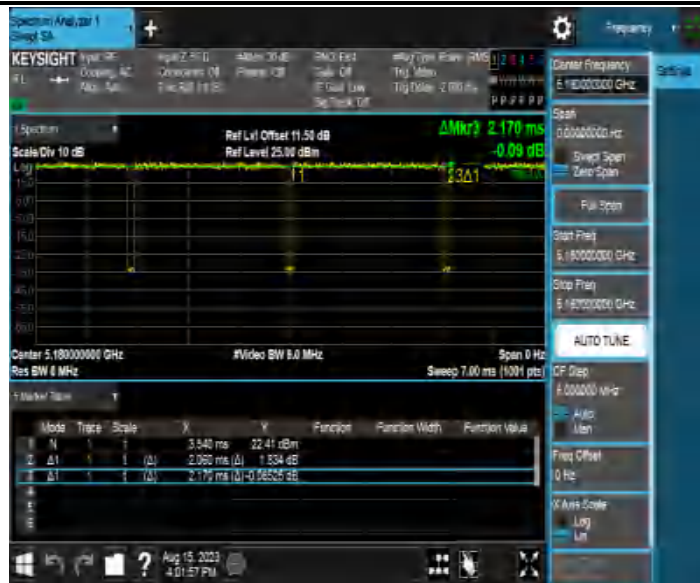
11A-CDD_Ant1_5180



11A-CDD_Ant2_5180



11A-CDD_Ant3_5180



11A-CDD_Ant4_5180



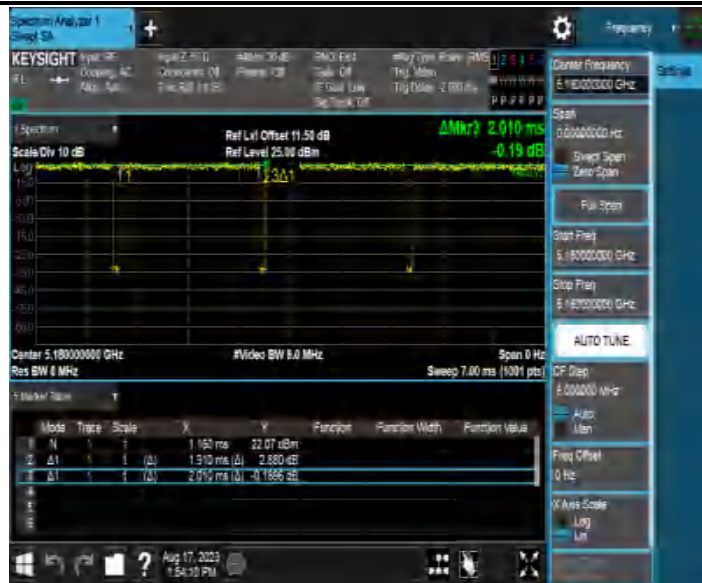
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11N20MIMO_Ant2_5180



11N20MIMO_Ant3_5180



11N20MIMO_Ant4_5180



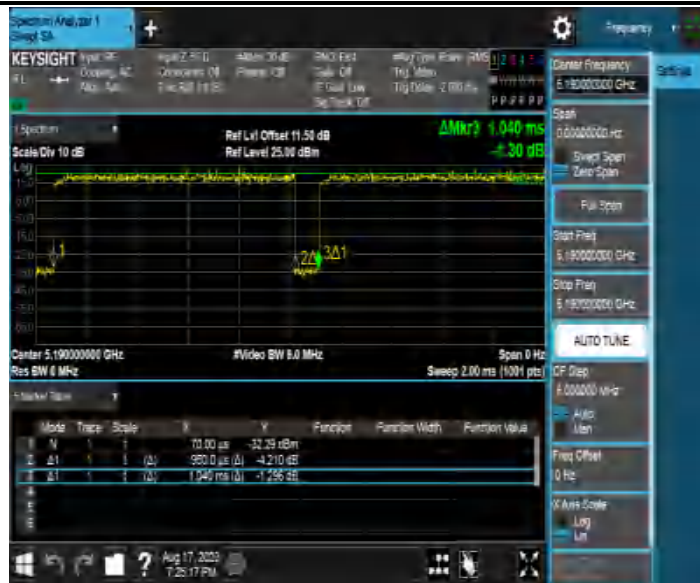
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11N40MIMO_Ant2_5190



11N40MIMO_Ant3_5190



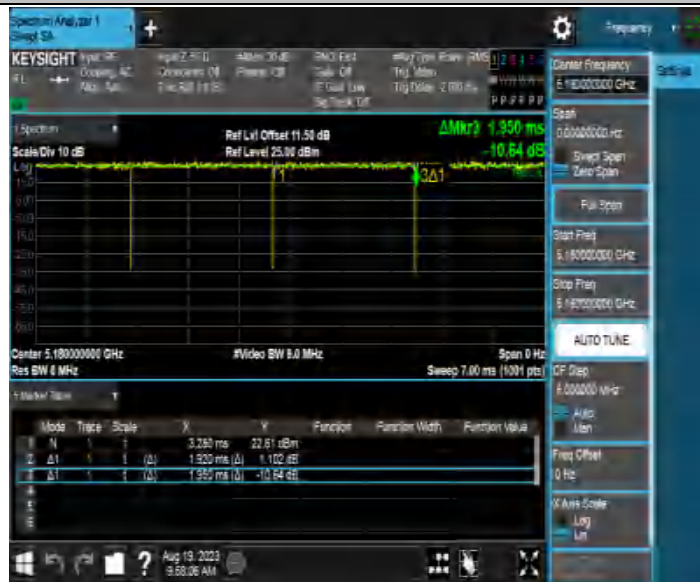
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11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180



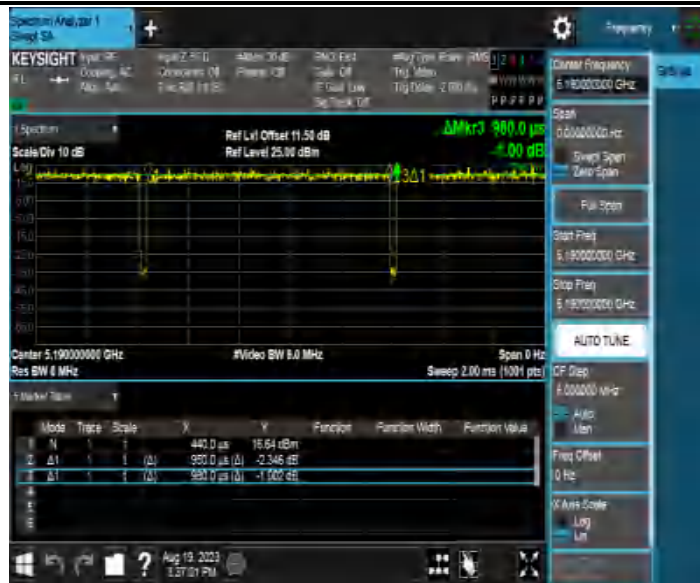
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11AC20MIMO_Ant4_5180



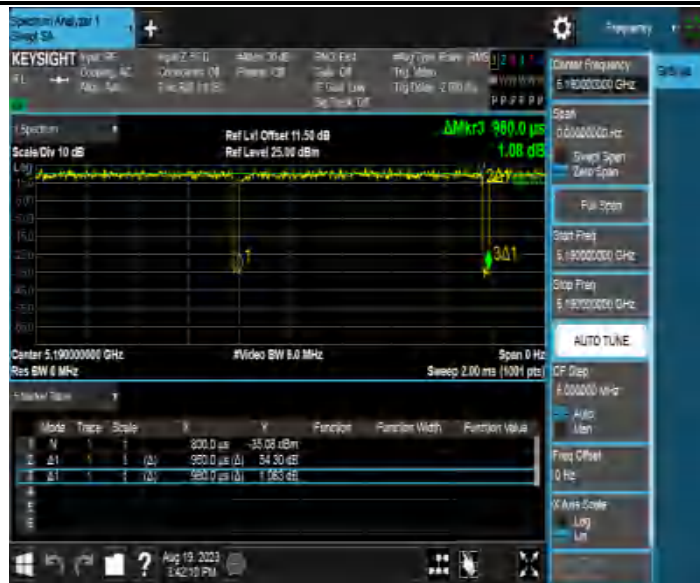
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11AC40MIMO_Ant2_5190



11AC40MIMO_Ant3_5190



11AC40MIMO_Ant4_5190



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



11AC80MIMO_Ant3_5210



11AC80MIMO_Ant4_5210



11AC160MIMO_Ant1_5250



11AC160MIMO_Ant2_5250



11AC160MIMO_Ant3_5250



11AC160MIMO_Ant4_5250



11AX20MIMO_Ant1_5180



11AX20MIMO_Ant2_5180



11AX20MIMO_Ant3_5180



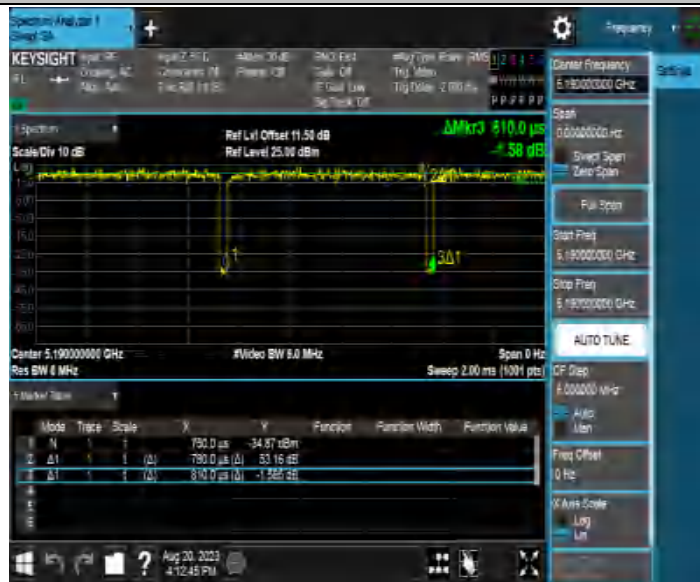
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11AX40MIMO_Ant1_5190



11AX40MIMO_Ant2_5190



11AX40MIMO_Ant3_5190



11AX40MIMO_Ant4_5190



11AX80MIMO_Ant1_5210



11AX80MIMO_Ant2_5210



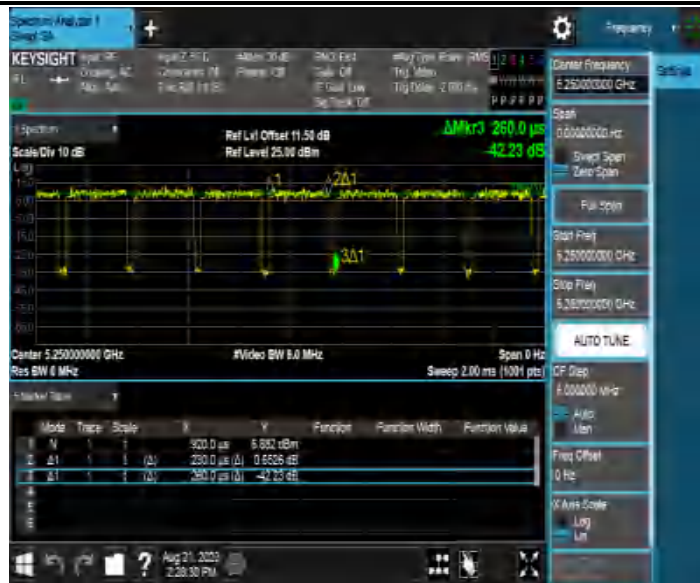
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11AX80MIMO_Ant4_5210



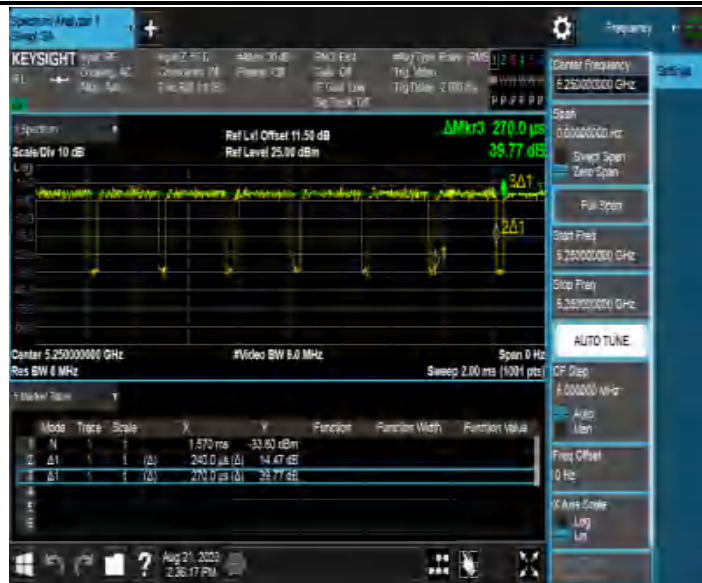
11AX160MIMO_Ant1_5250



11AX160MIMO_Ant2_5250



11AX160MIMO_Ant3_5250



11AX160MIMO_Ant4_5250



2.7 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT.

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

| Uncertainty | |
|--|------------------|
| Parameter | Uncertainty |
| Occupied Channel Bandwidth | ± 143.88 kHz |
| Power Spectral Density | ± 0.743 dB |
| Conducted Spurious Emission | ± 1.328 dB |
| RF power conducted | ± 0.384 dB |
| Conducted emission(9kHz~30MHz) AC main | ± 2.72 dB |
| Radiated emission(9kHz~30MHz) | ± 2.66 dB |
| Radiated emission (30MHz~1GHz) | ± 4.62 dB |
| Radiated emission (1GHz~18GHz) | ± 4.86 dB |
| Radiated emission (18GHz~40GHz) | ± 3.80 dB |

2.8 Test Location

| | |
|---------------------------|---|
| Company: | Shenzhen Haiyun Standard Technical CO., Ltd. |
| Address: | No. 110-113, 115, 116, Block B, Jinyuan Business Building, Bao'an District, Shenzhen, China |
| CNAS Registration Number: | CNAS L18252 |
| CAB identifier | CN0145 |
| A2LA Certificate Number | 6823.01 |
| Telephone: | 0755-26024411 |

2.9 Description of Support Units

Test associated equipment

| No. | Equipment | Manufacturer | Model | Series No |
|-----|-----------|--------------|--------|-----------|
| 1 | PC1 | Lenovo | M4500T | / |
| 2 | Notebook | L450 | Think | / |
| 3 | Phone1 | TCL | HCD868 | / |
| 4 | Phone2 | TCL | HCD868 | / |

Cable and Interconnection

| Interface | Cable type | Cable length delivered with the modem | “Real life” Cable length that can be attached to this type of interface | Cable length to be used for testing | Internal/external connection |
|--------------------|------------|---------------------------------------|---|-------------------------------------|------------------------------|
| 2.5G LAN/WAN, LAN1 | UTP Cat.5e | 1.5 m | > 10 m | 10 m | Internal |
| FXS | UTP Cat.3 | 1.5 m | 1.5m | 1.5m | Internal |
| FXS | UTP Cat.3 | 1.5 m | 1.5m | 1.5m | Internal |

2.10 Deviation from Standards

None

3. Test Procedure And Results

3.1 AC Power Line Conducted Emission

3.1.1 Limit

| Frequency | Maximum RF Line Voltage | |
|-----------------|-------------------------------|----------------------------|
| | Quasi-Peak Level dB(μ V) | Average Level dB(μ V) |
| 150kHz ~ 500kHz | 66 ~ 56* | 56 ~ 46* |
| 500kHz ~ 5MHz | 56 | 46 |
| 5MHz ~ 30MHz | 60 | 50 |

Notes: 1. * Decreasing linearly with logarithm of frequency.

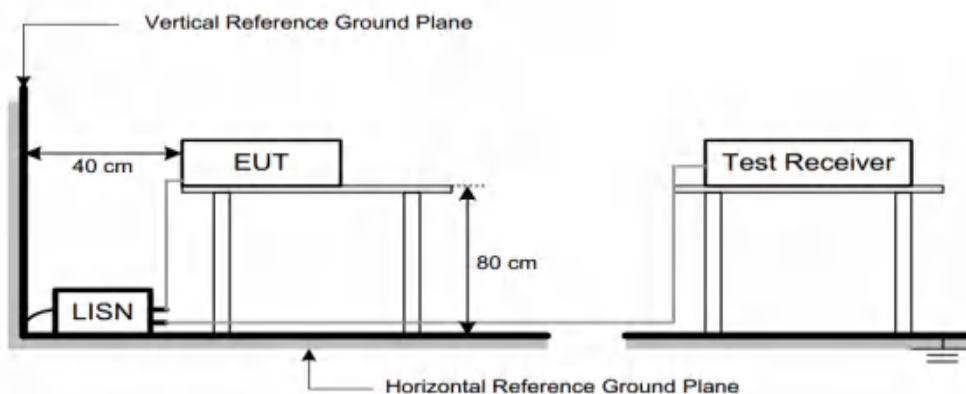
2. The lower limit shall apply at the transition frequencies.

3.1.2 Test Procedure

| Test Method | |
|---|--|
| <input checked="" type="radio"/> Conducted Measurement | <input type="radio"/> Radiated Measurement |
| Test Channels | |
| <input type="radio"/> Lowest, Middle and Highest Channel | <input type="radio"/> Lowest and Highest Channel |
| Environmental conditions | |
| <input checked="" type="radio"/> Normal | <input type="radio"/> Normal and Extreme |
| Note: <input checked="" type="radio"/> :Test <input type="radio"/> :No Test | |

- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

3.1.3 Test Setup



3.1.4 Test Result

Note:

1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Measurement = Reading + Correct Factor.
3. Over = Measurement – Limit

Note: We only recorded the data of the worst mode. Please see the following:

| | |
|---------------|--|
| 150kHz~30MHz | Worst Case Operating Mode:11A-CDD_ Channel:157 |
| Adapter Mode: | WY-30B12FU |

Line

Conducted Emission Measurement



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 0.1573 | 28.23 | 19.50 | 47.73 | 65.61 | -17.88 | QP | |
| 2 | | 0.1573 | 10.68 | 19.50 | 30.18 | 55.61 | -25.43 | AVG | |
| 3 | | 0.4307 | 24.25 | 19.53 | 43.78 | 57.24 | -13.46 | QP | |
| 4 | * | 0.4307 | 15.21 | 19.53 | 34.74 | 47.24 | -12.50 | AVG | |
| 5 | | 0.5030 | 10.15 | 19.53 | 29.68 | 56.00 | -26.32 | QP | |
| 6 | | 0.5030 | 6.46 | 19.53 | 25.99 | 46.00 | -20.01 | AVG | |
| 7 | | 3.3112 | 13.16 | 20.63 | 33.79 | 56.00 | -22.21 | QP | |
| 8 | | 3.3112 | 8.82 | 20.63 | 29.45 | 46.00 | -16.55 | AVG | |
| 9 | | 4.9430 | 15.63 | 20.35 | 35.98 | 56.00 | -20.02 | QP | |
| 10 | | 4.9430 | 10.08 | 20.35 | 30.43 | 46.00 | -15.57 | AVG | |
| 11 | | 8.6271 | 15.67 | 20.48 | 36.15 | 60.00 | -23.85 | QP | |
| 12 | | 8.6271 | 9.54 | 20.48 | 30.02 | 50.00 | -19.98 | AVG | |

Neutral

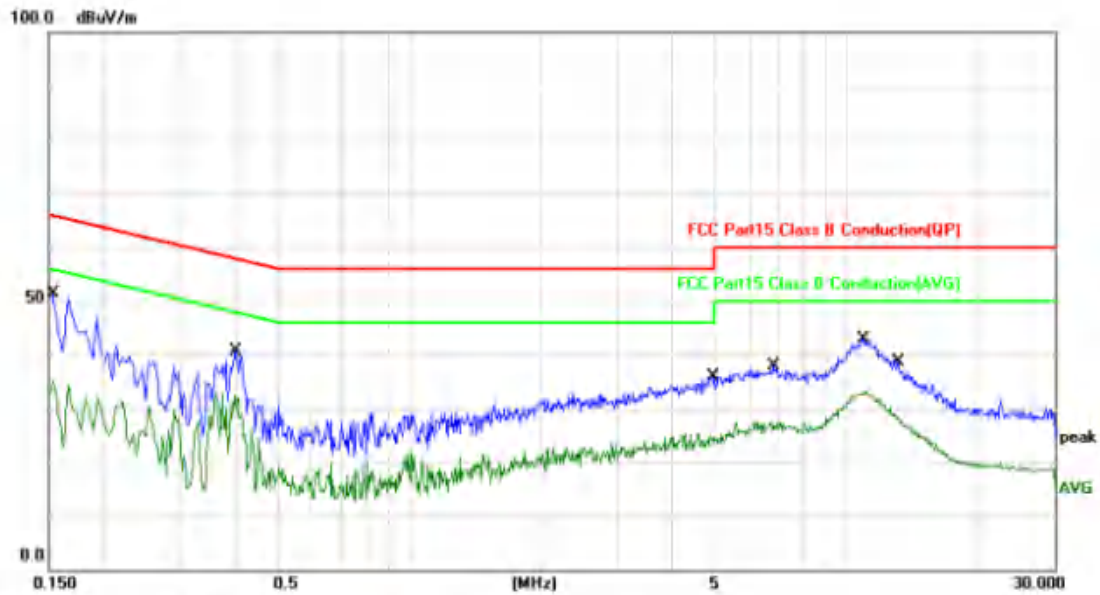
Conducted Emission Measurement



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 0.1587 | 28.60 | 19.51 | 48.11 | 65.53 | -17.42 | QP | |
| 2 | | 0.1587 | 12.26 | 19.51 | 31.77 | 55.53 | -23.76 | AVG | |
| 3 | * | 0.3862 | 25.62 | 19.52 | 45.14 | 58.15 | -13.01 | QP | |
| 4 | | 0.3862 | 12.69 | 19.52 | 32.21 | 48.15 | -15.94 | AVG | |
| 5 | | 0.4894 | 10.24 | 19.53 | 29.77 | 56.18 | -26.41 | QP | |
| 6 | | 0.4894 | 5.63 | 19.53 | 25.16 | 46.18 | -21.02 | AVG | |
| 7 | | 1.3198 | 14.58 | 19.74 | 34.32 | 56.00 | -21.68 | QP | |
| 8 | | 1.3198 | 8.75 | 19.74 | 28.49 | 46.00 | -17.51 | AVG | |
| 9 | | 3.0668 | 15.32 | 20.72 | 36.04 | 56.00 | -19.96 | QP | |
| 10 | | 3.0668 | 10.69 | 20.72 | 31.41 | 46.00 | -14.59 | AVG | |
| 11 | | 4.9785 | 15.32 | 20.35 | 35.67 | 56.00 | -20.33 | QP | |
| 12 | | 4.9785 | 7.58 | 20.35 | 27.93 | 46.00 | -18.07 | AVG | |

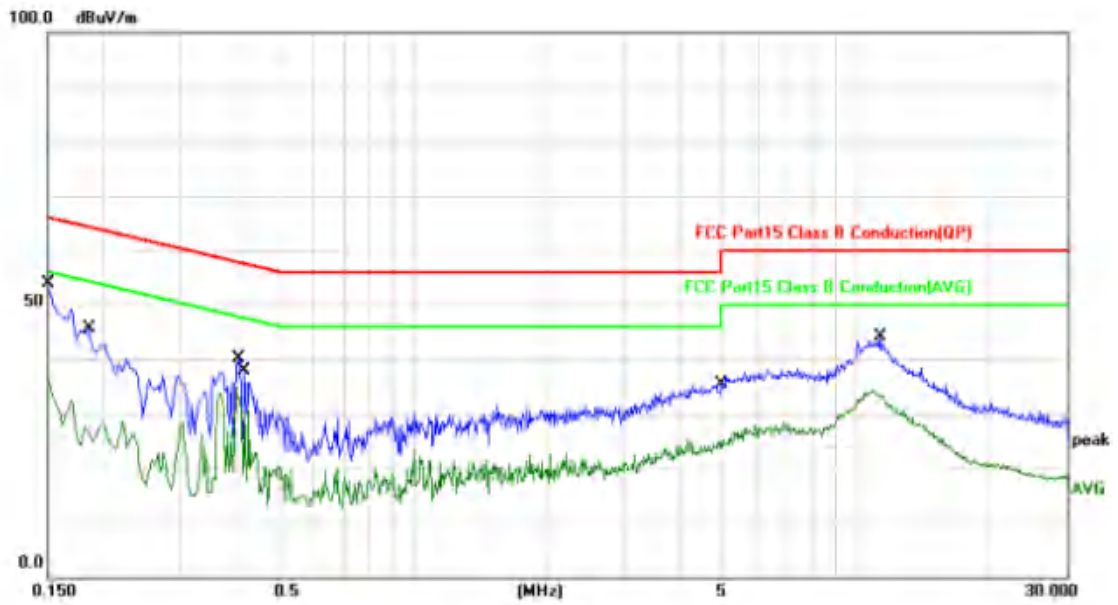
| | |
|---------------|--|
| 150kHz~30MHz | Worst Case Operating Mode:11A-CDD_ Channel:157 |
| Adapter Mode: | ADS-36LE-12Y 12030EPCU |

Line



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|---------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 0.1540 | 28.80 | 19.50 | 48.30 | 65.78 | -17.48 | QP | |
| 2 | | 0.1540 | 10.85 | 19.50 | 30.35 | 55.78 | -25.43 | AVG | |
| 3 | | 0.4020 | 18.68 | 19.53 | 38.21 | 57.81 | -19.60 | QP | |
| 4 | | 0.4020 | 10.41 | 19.53 | 29.94 | 47.81 | -17.87 | AVG | |
| 5 | | 4.9540 | 8.82 | 20.35 | 29.17 | 56.00 | -26.83 | QP | |
| 6 | | 4.9540 | 1.75 | 20.35 | 22.10 | 46.00 | -23.90 | AVG | |
| 7 | | 6.8100 | 11.85 | 20.49 | 32.34 | 60.00 | -27.66 | QP | |
| 8 | | 6.8100 | 4.27 | 20.49 | 24.76 | 50.00 | -25.24 | AVG | |
| 9 | | 10.9860 | 16.94 | 20.49 | 37.43 | 60.00 | -22.57 | QP | |
| 10 | | 10.9860 | 11.06 | 20.49 | 31.55 | 50.00 | -18.45 | AVG | |
| 11 | | 13.1460 | 11.86 | 20.59 | 32.45 | 60.00 | -27.55 | QP | |
| 12 | | 13.1460 | 6.17 | 20.59 | 26.76 | 50.00 | -23.24 | AVG | |

Neutral



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|---------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 0.1500 | 30.86 | 19.70 | 50.56 | 66.00 | -15.44 | QP | |
| 2 | | 0.1500 | 11.74 | 19.70 | 31.44 | 56.00 | -24.56 | AVG | |
| 3 | | 0.1860 | 22.58 | 19.70 | 42.28 | 64.21 | -21.93 | QP | |
| 4 | | 0.1860 | 6.17 | 19.70 | 25.87 | 54.21 | -28.34 | AVG | |
| 5 | | 0.4060 | 17.74 | 19.72 | 37.46 | 57.73 | -20.27 | QP | |
| 6 | | 0.4060 | 10.64 | 19.72 | 30.36 | 47.73 | -17.37 | AVG | |
| 7 | | 0.4180 | 15.43 | 19.72 | 35.15 | 57.49 | -22.34 | QP | |
| 8 | | 0.4180 | 4.06 | 19.72 | 23.78 | 47.49 | -23.71 | AVG | |
| 9 | | 4.9820 | 9.44 | 20.40 | 29.84 | 56.00 | -26.16 | QP | |
| 10 | | 4.9820 | 2.51 | 20.40 | 22.91 | 46.00 | -23.09 | AVG | |
| 11 | | 11.3620 | 17.49 | 20.51 | 38.00 | 60.00 | -22.00 | QP | |
| 12 | | 11.3620 | 11.39 | 20.51 | 31.90 | 50.00 | -18.10 | AVG | |

3.2 Radiated Emission

3.2.1 Limit

1) Limit of radiated emission measurement:

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

| Frequency (MHz) | Distance Meters(m) | Field Strength Limit | |
|--------------------|-----------------------|---|-----------------------------------|
| | | $\mu\text{V}/\text{m}$ | $\text{dB}(\mu\text{V})/\text{m}$ |
| 0.009 – 0.49 | 300 | 2400/F(kHz) | - |
| 0.490 – 1.705 | 30 | 24000/F(kHz) | - |
| 1.705 – 30 | 30 | 30 | - |
| 30~88 | 3 | 100 | 40.0 |
| 88~216 | 3 | 150 | 43.5 |
| 216~960 | 3 | 200 | 46.0 |
| 960~1000 | 3 | 500 | 54.0 |
| Above 1000 | 3 | 74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average) | |

Note: (1) Emission level $\text{dB}\mu\text{V} = 20 \log$ Emission level $\mu\text{V}/\text{m}$

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

2) Limit of unwanted emission out of the restricted bands:

| Frequency(MHz) | EIRP Limit(dBm/MHz) | Equivalent Field Strength at 3m($\text{dB}\mu\text{V}/\text{m}$) |
|----------------|---------------------|--|
| 5150-5250 | -27 | 68.2 |
| 5250-5350 | -27 | 68.2 |
| 5470-5725 | -27 | 68.2 |
| 5725-5850 | -27 NOTE (2) | 68.2 |
| | 10 NOTE (2) | 105.2 |
| | 15.6 NOTE (2) | 110.8 |
| | 27 NOTE (2) | 122.2 |

Note: (1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] + 95.2$, for $d=3\text{m}$

(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 25 MHz 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 27 dBm/MHz at the band edge.

3.2.2 Test Procedure

| Test Method | |
|-------------------------------------|------------------------------|
| ○Conducted Measurement | ●Radiated Measurement |
| Test Channels | |
| ●Lowest, Middle and Highest Channel | ○ Lowest and Highest Channel |
| Environmental conditions | |
| ●Normal | ○Normal and Extreme |
| Note:●:Test ○:No Test | |

- 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 1 GHz)
- b) The measuring distance of 3 m or 1.5m 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 1 GHz.
- 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 1 GHz)
- 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 1 GHz)
- i) For the actual test configuration, please refer to the related Item -EUT Test Photos.

The following table is the setting of the receiver:

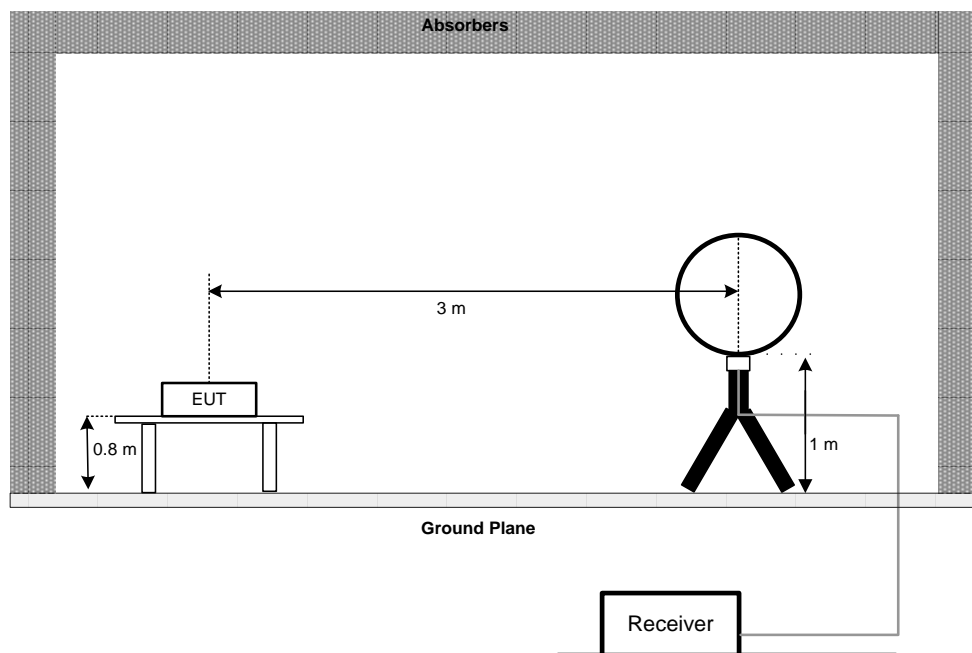
| Spectrum Parameters | Setting |
|------------------------|---------------------------------|
| Start ~ Stop Frequency | 9 kHz~150 kHz for RBW 200 Hz |
| Start ~ Stop Frequency | 0.15 MHz~30 MHz for RBW 9 kHz |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for RBW 100 kHz |

| Spectrum Parameters | Setting |
|--|--|
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RBW / VBW (Emission in restricted band) | 1 MHz / 3 MHz for PK value 1 MHz / 1/T (Refer to Final VBW in Section 2.6)for AVG value |

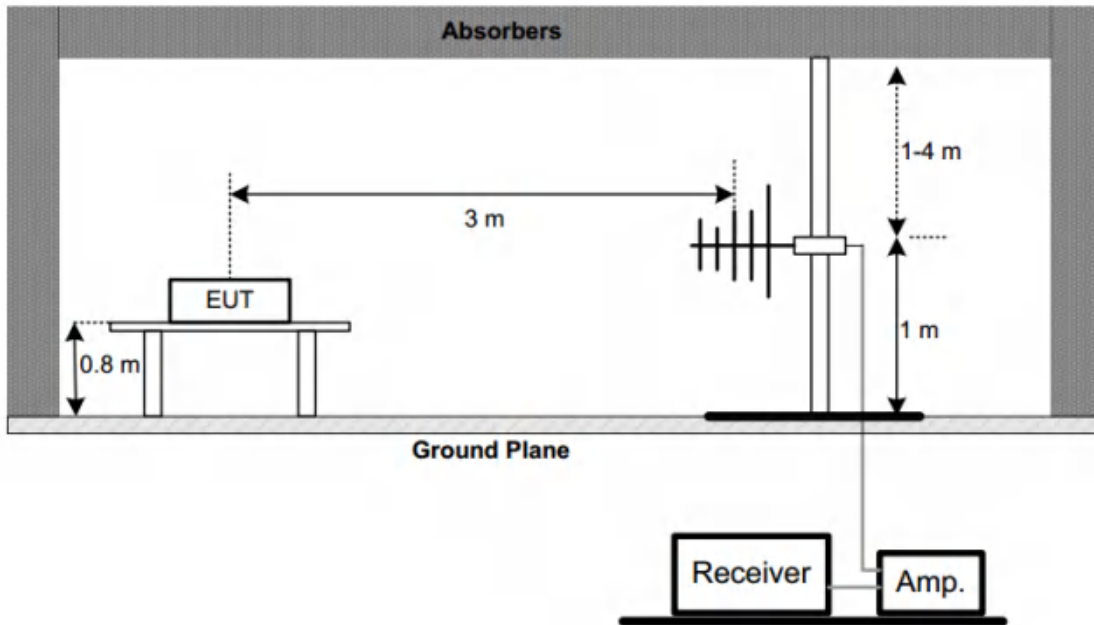
| Receiver Parameters | Setting |
|------------------------|-------------------------------------|
| Start ~ Stop Frequency | 9 kHz~90 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 90 kHz~110 kHz for QP detector |
| Start ~ Stop Frequency | 110 kHz~490 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 490 kHz~30 MHz for QP detector |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for QP detector |
| Start ~ Stop Frequency | 1 GHz~40 GHz for PK/AVG detector |

3.2.3 Test Setup

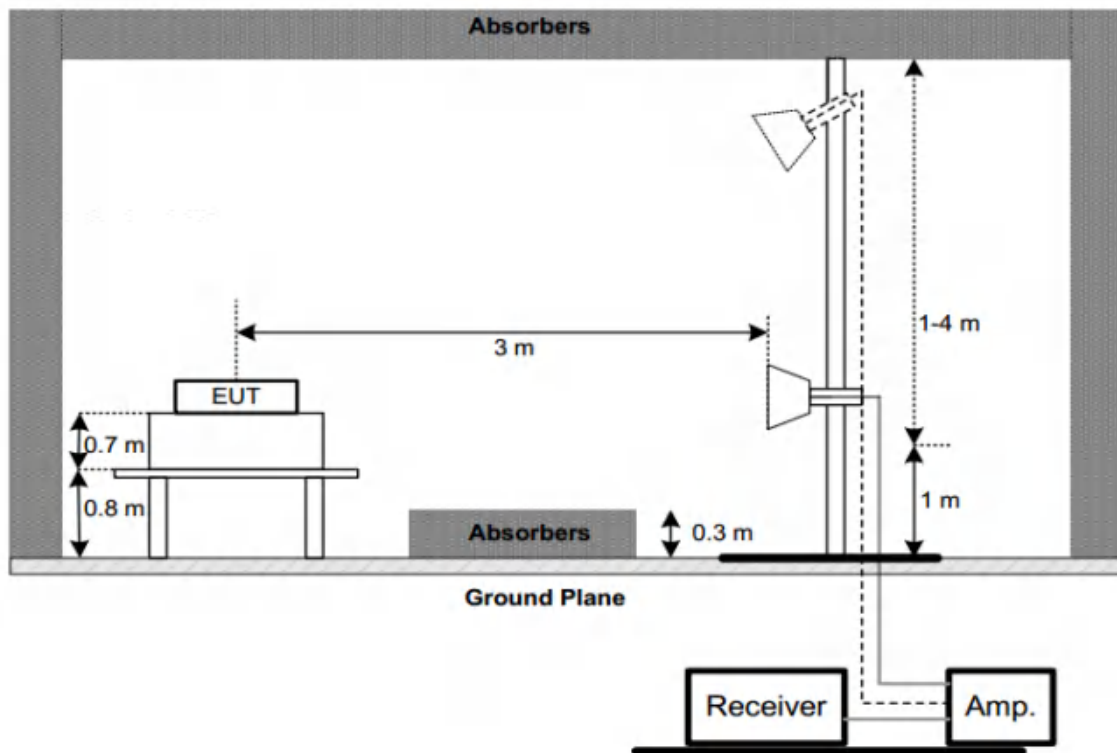
(A) Radiated Emission Test Set-Up Frequency Below 30 MHz



(B) Radiated Emission Test Set-Up Frequency 30 MHz-1000 MHz



(C) Radiated Emission Test Set-Up Frequency Above 1 GHz



3.2.4 Test Result

1) Radiated emission: 9kHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not recorded in this report.

2) Radiated emission: 30MHz-1GHz

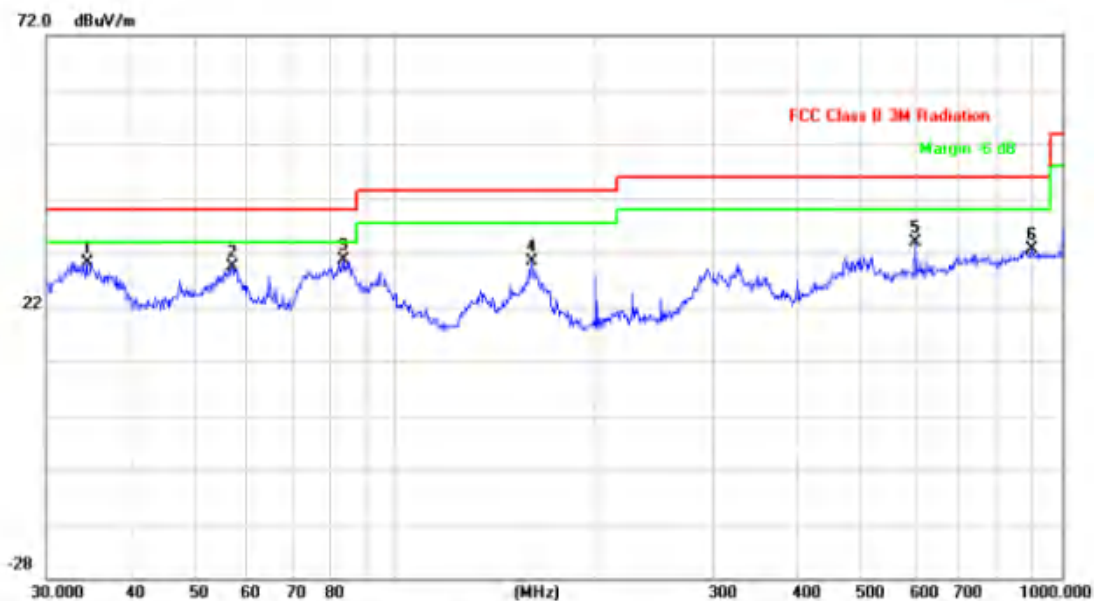
Note:

1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit

We only recorded the data of the worst mode. Please see the following:

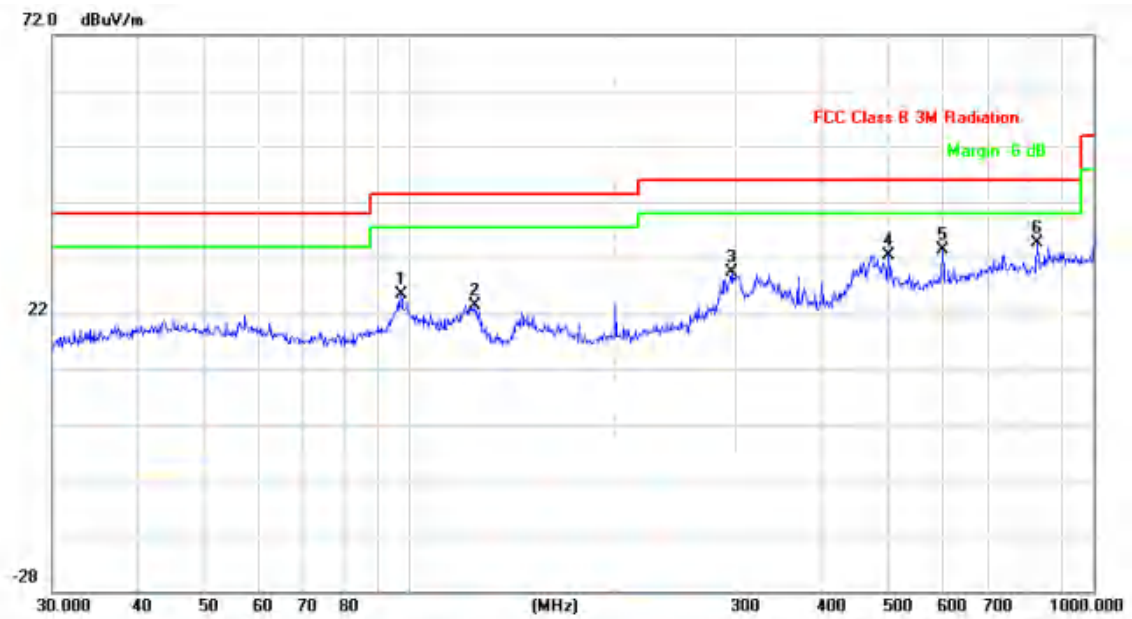
| | |
|-----------------------|---|
| Below 1G (30MHz~1GHz) | Worst Case Operating Mode: 11A-CDD_ Channel:157 |
| Adapter Mode: | WY-30B12FU |

VERTICAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 34.5173 | 11.06 | 19.04 | 30.10 | 40.00 | -9.90 | QP | 100 | 340 |
| 2 | | 56.9912 | 9.31 | 19.98 | 29.29 | 40.00 | -10.71 | QP | 100 | 229 |
| 3 | * | 83.8156 | 13.12 | 17.56 | 30.68 | 40.00 | -9.32 | QP | 100 | 268 |
| 4 | | 160.3456 | 13.73 | 16.54 | 30.27 | 43.50 | -13.23 | QP | 126 | 360 |
| 5 | | 601.4265 | 5.55 | 28.23 | 33.78 | 46.00 | -12.22 | QP | 100 | 74 |
| 6 | | 900.1474 | 0.86 | 31.72 | 32.58 | 46.00 | -13.42 | QP | 200 | 79 |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 97.1148 | 5.87 | 19.52 | 25.39 | 43.50 | -18.11 | 100 | 34 | |
| 2 | | 124.5690 | 6.03 | 17.42 | 23.45 | 43.50 | -20.05 | 200 | 231 | |
| 3 | | 295.1470 | 7.85 | 21.51 | 29.36 | 46.00 | -16.64 | 110 | 360 | |
| 4 | | 501.1790 | 6.23 | 26.11 | 32.34 | 46.00 | -13.66 | 200 | 175 | |
| 5 | | 601.4265 | 5.25 | 28.23 | 33.48 | 46.00 | -12.52 | 200 | 178 | |
| 6 * | | 827.4934 | 3.94 | 30.76 | 34.70 | 46.00 | -11.30 | 100 | 228 | |

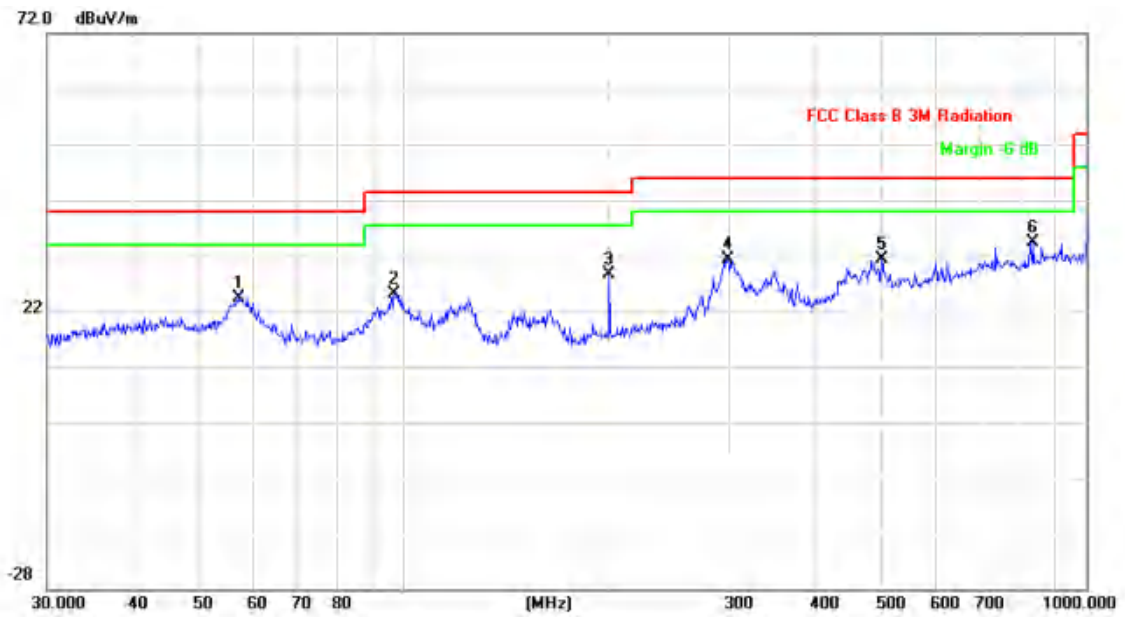
| | |
|-----------------------|---|
| Below 1G (30MHz~1GHz) | Worst Case Operating Mode: 11A-CDD_ Channel:157 |
| Adapter Mode: | ADS-36LE-12Y 12030EPCU |

VERTICAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 33.3280 | 12.46 | 18.76 | 31.22 | 40.00 | -8.78 | QP | 100 | 104 |
| 2 | * | 56.9912 | 12.58 | 19.98 | 32.56 | 40.00 | -7.44 | QP | 100 | 232 |
| 3 | | 84.4054 | 11.52 | 17.69 | 29.21 | 40.00 | -10.79 | QP | 101 | 360 |
| 4 | | 199.9856 | 14.60 | 18.83 | 33.43 | 43.50 | -10.07 | QP | 200 | 5 |
| 5 | | 601.4265 | 4.32 | 28.23 | 32.55 | 46.00 | -13.45 | QP | 100 | 139 |
| 6 | | 922.5157 | 0.48 | 31.90 | 32.38 | 46.00 | -13.62 | QP | 200 | 36 |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 57.1914 | 4.35 | 19.96 | 24.31 | 40.00 | -15.69 | 200 | 360 | |
| 2 | | 96.7750 | 5.73 | 19.49 | 25.22 | 43.50 | -18.28 | 200 | 45 | |
| 3 | | 199.9856 | 9.88 | 18.83 | 28.71 | 43.50 | -14.79 | 100 | 107 | |
| 4 | | 298.2681 | 9.89 | 21.59 | 31.48 | 46.00 | -14.52 | 100 | 349 | |
| 5 | | 501.1790 | 5.19 | 26.11 | 31.30 | 46.00 | -14.70 | 200 | 184 | |
| 6 | * | 836.2443 | 3.40 | 30.90 | 34.30 | 46.00 | -11.70 | 200 | 7 | |

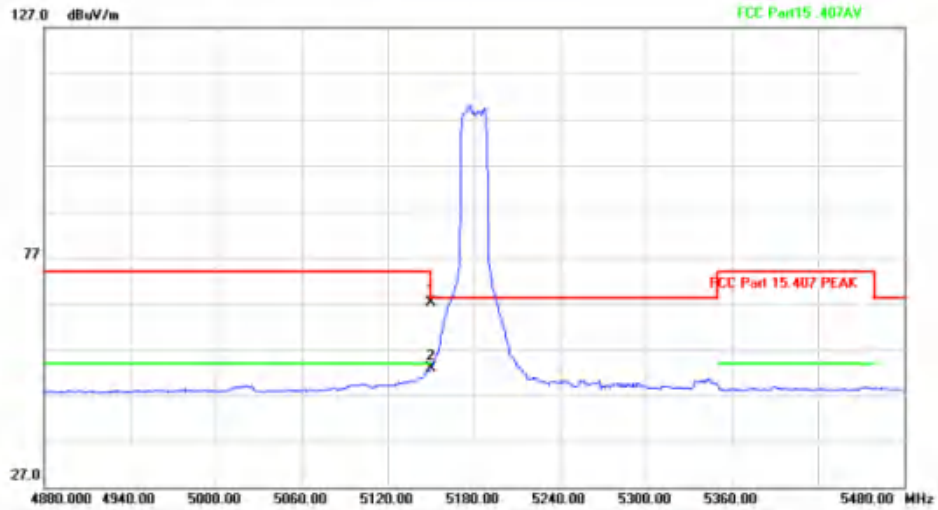
3) Radiated emission: Above 1G

Note:

1. Measurement = Reading + Correct Factor.
2. Over = Measurement – Limit

| | | |
|-----------------------|-------------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11A-CDD | Test Channel:36 |
|-----------------------|-------------------|-----------------|

VERTICAL

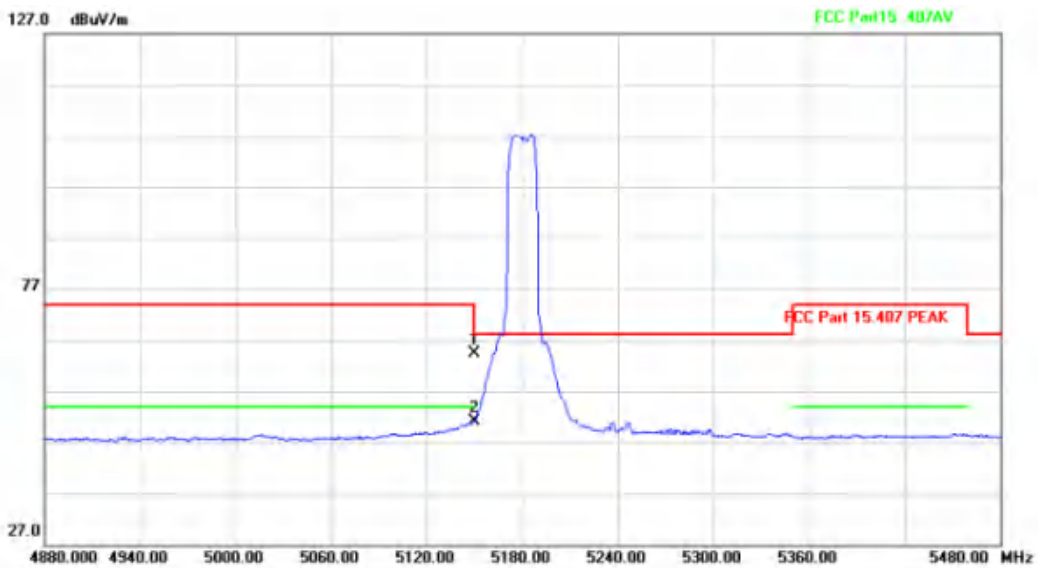


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 5150.000 | 33.81 | 33.43 | 67.24 | 74.00 | -6.76 | peak | |
| 2 * | | 5150.000 | 19.47 | 33.43 | 52.90 | 54.00 | -1.10 | AVG | |

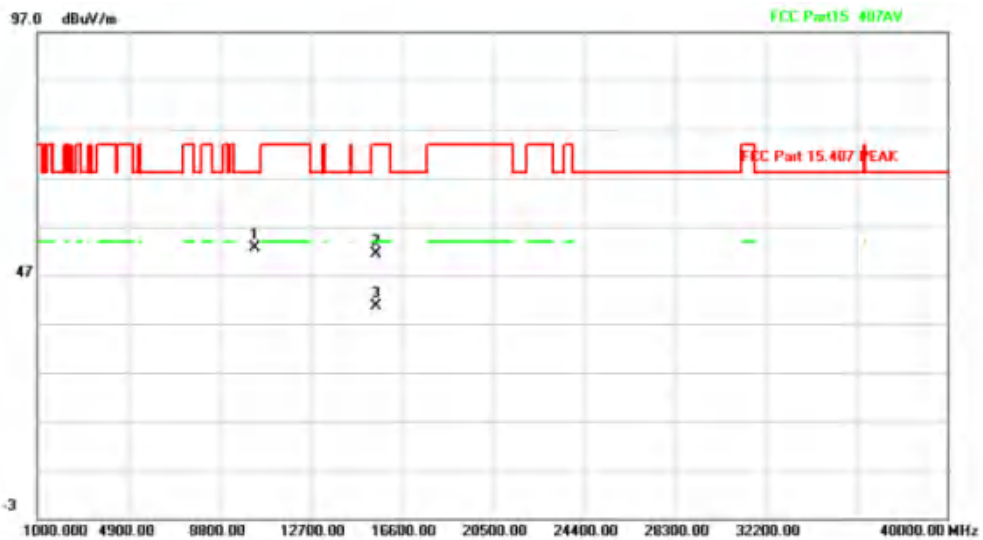


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 10358.500 | 54.66 | -3.62 | 51.04 | 68.20 | -17.16 | peak | |
| 2 | | 15540.500 | 51.92 | -0.16 | 51.76 | 74.00 | -22.24 | peak | |
| 3 * | | 15545.975 | 40.93 | -0.16 | 40.77 | 54.00 | -13.23 | AVG | |

HORIZONTALA



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5150.000 | 30.97 | 33.43 | 64.40 | 74.00 | -9.60 | | | peak |
| 2 * | | 5150.000 | 17.74 | 33.43 | 51.17 | 54.00 | -2.83 | | | AVG |



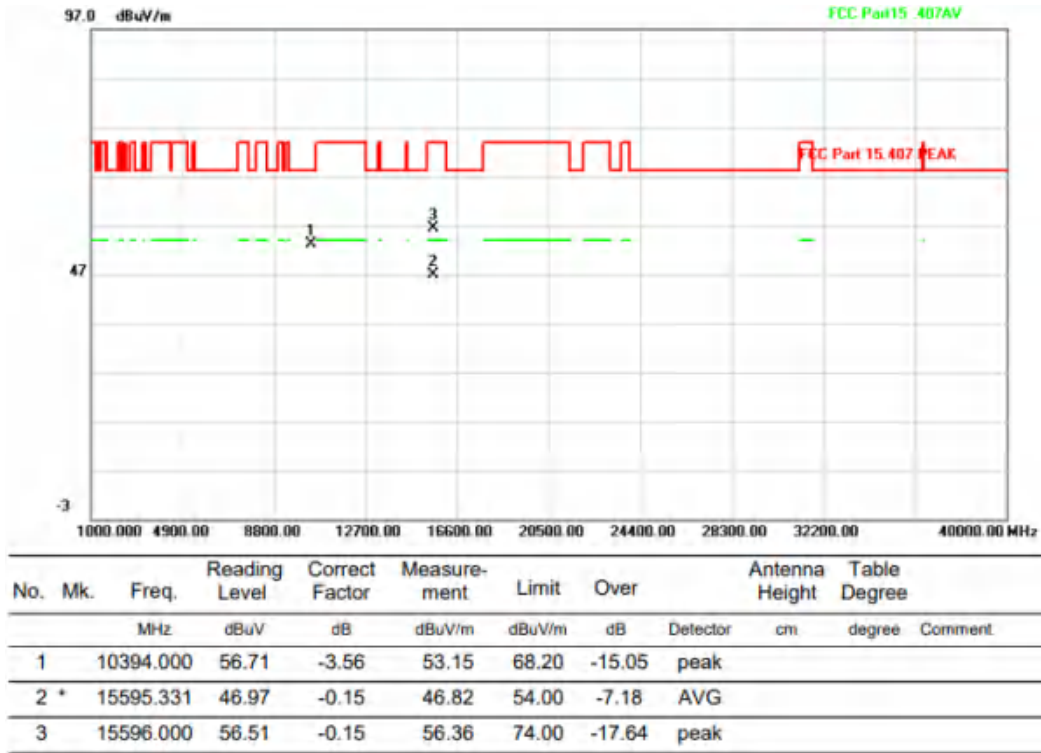
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10358.500 | 56.30 | -3.62 | 52.68 | 68.20 | -15.52 | | | peak |
| 2 | | 15540.500 | 51.49 | -0.16 | 51.33 | 74.00 | -22.67 | | | peak |
| 3 * | | 15545.015 | 40.91 | -0.16 | 40.75 | 54.00 | -13.25 | | | AVG |

Above 1G (1GHz~40GHz)

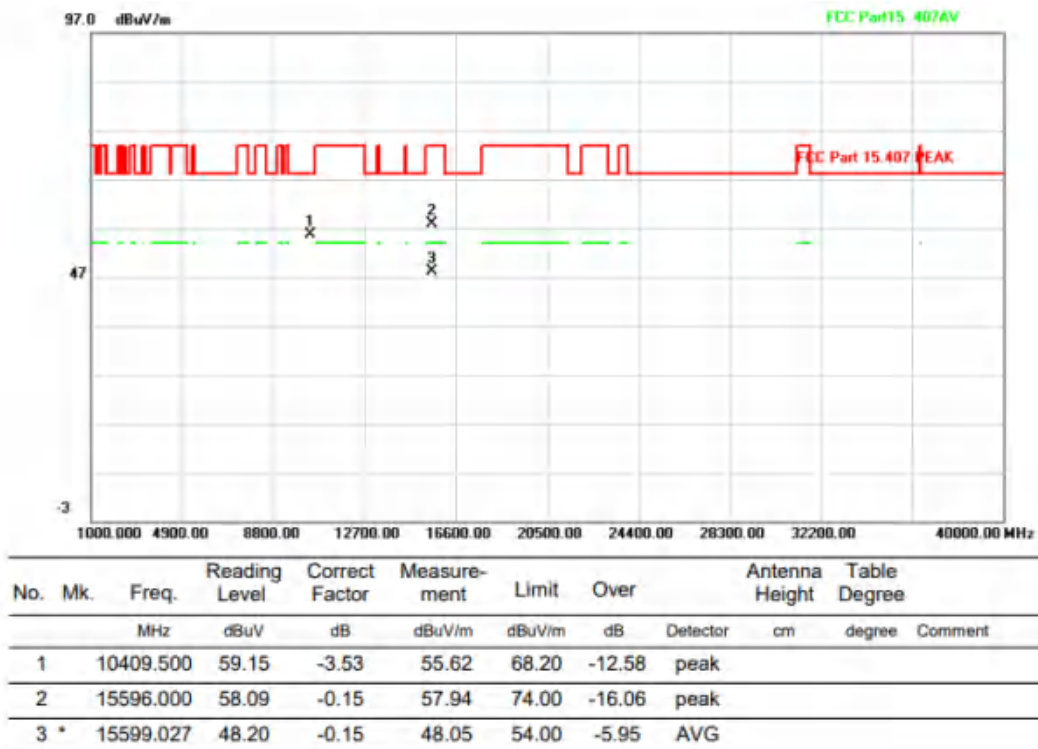
Test mode: 11A-CDD

Test Channel:40

VERTICAL



HORIZONTAL

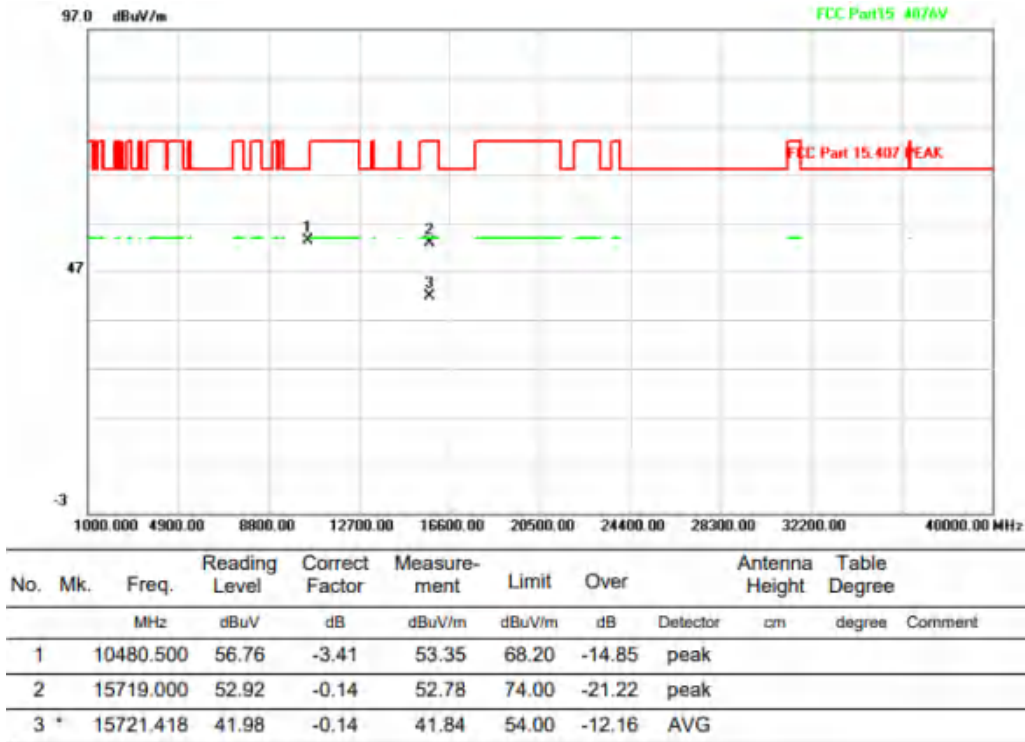


Above 1G (1GHz~40GHz)

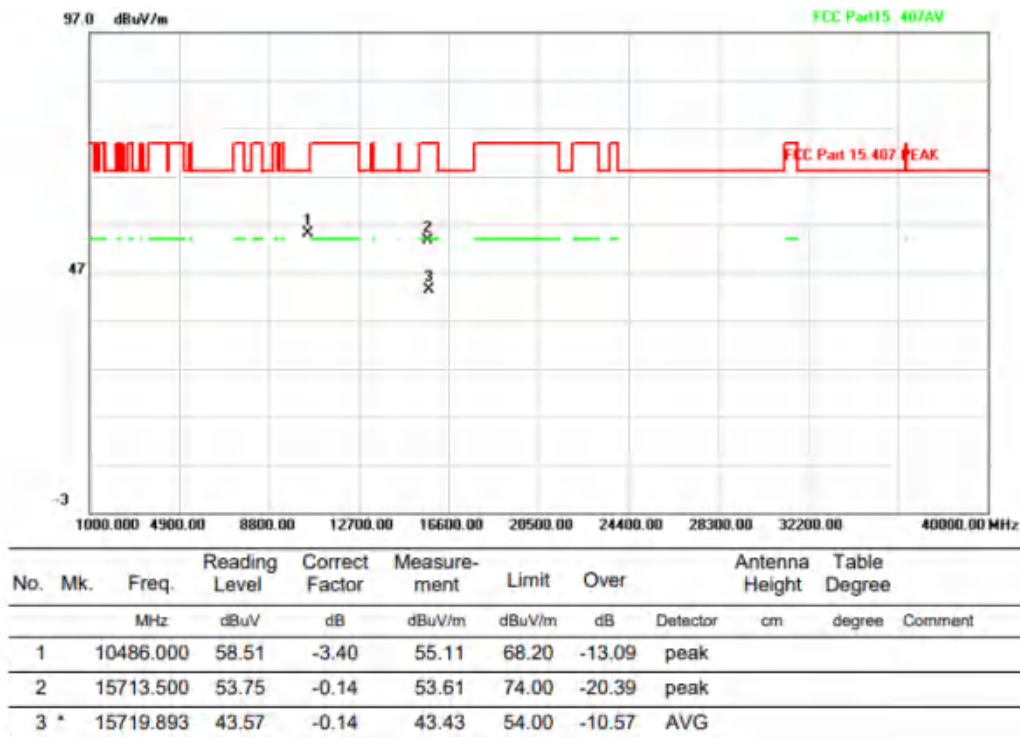
Test mode: 11A-CDD

Test Channel:48

VERTICAL



HORIZONTAL

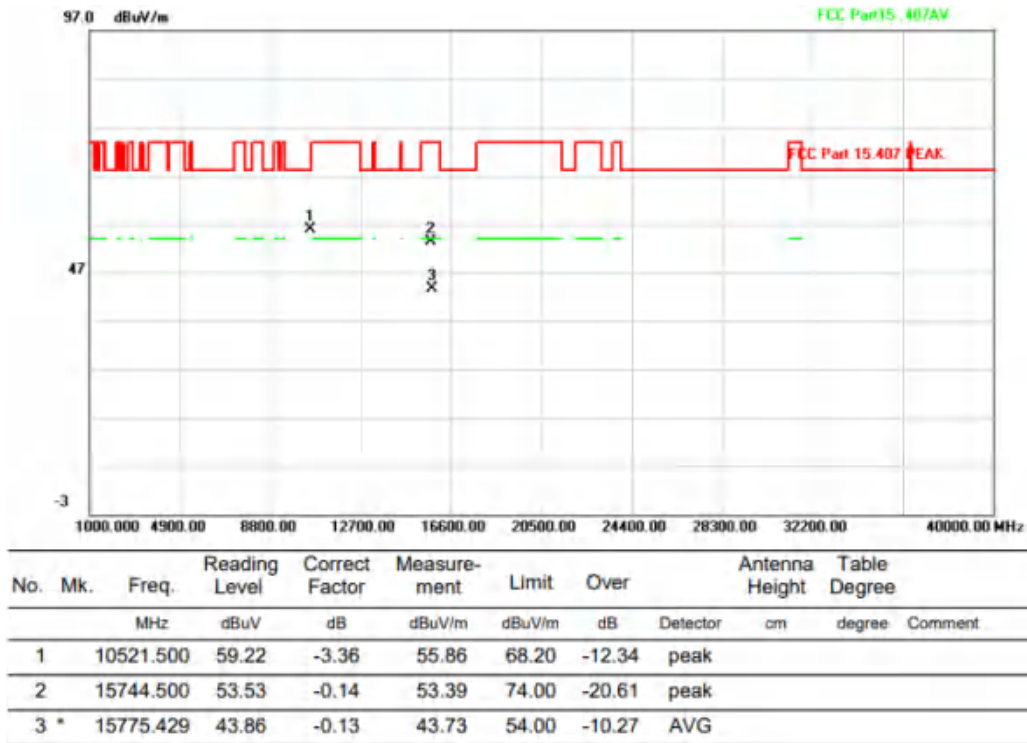


Above 1G (1GHz~40GHz)

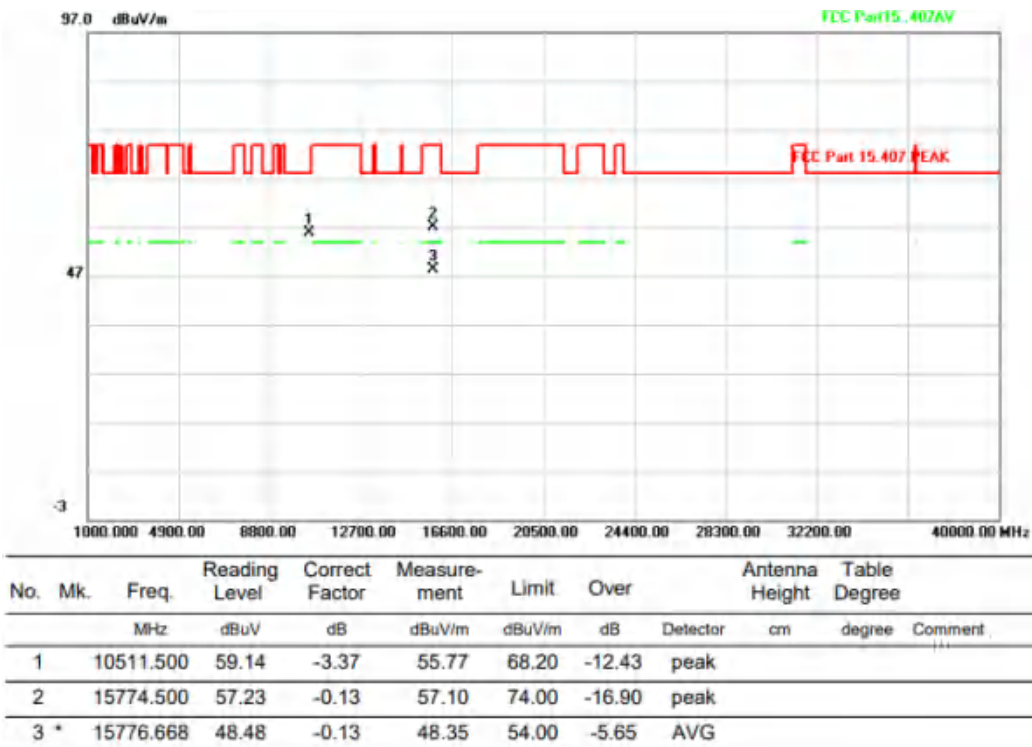
Test mode: 11A-CDD

Test Channel:52

VERTICAL



HORIZONTAL

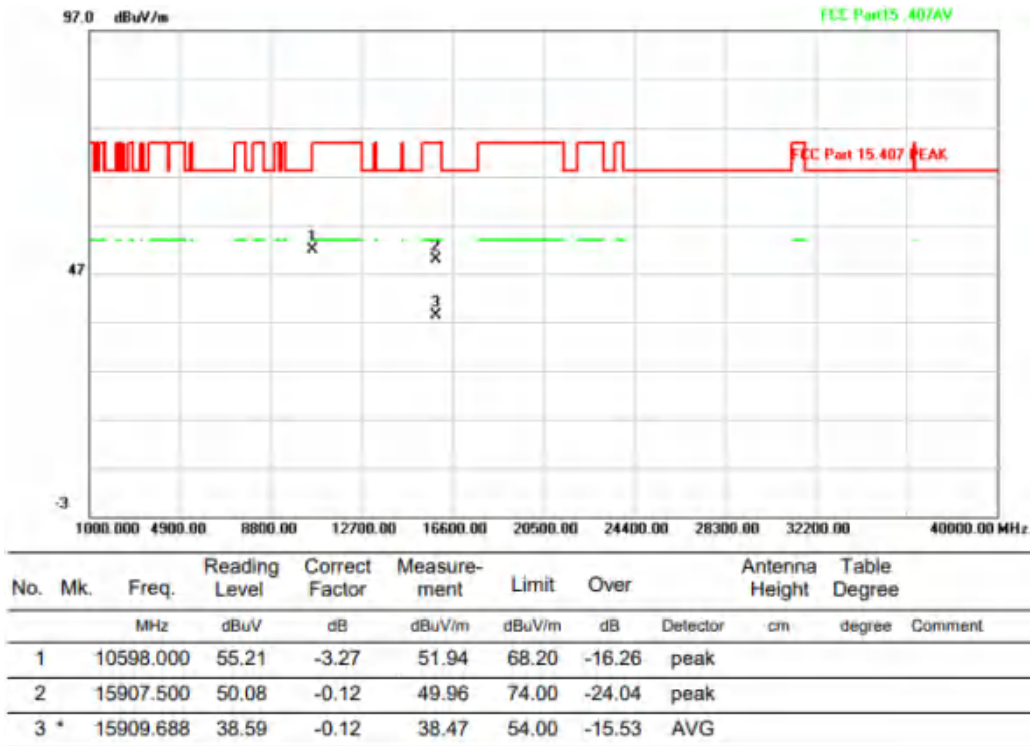


Above 1G (1GHz~40GHz)

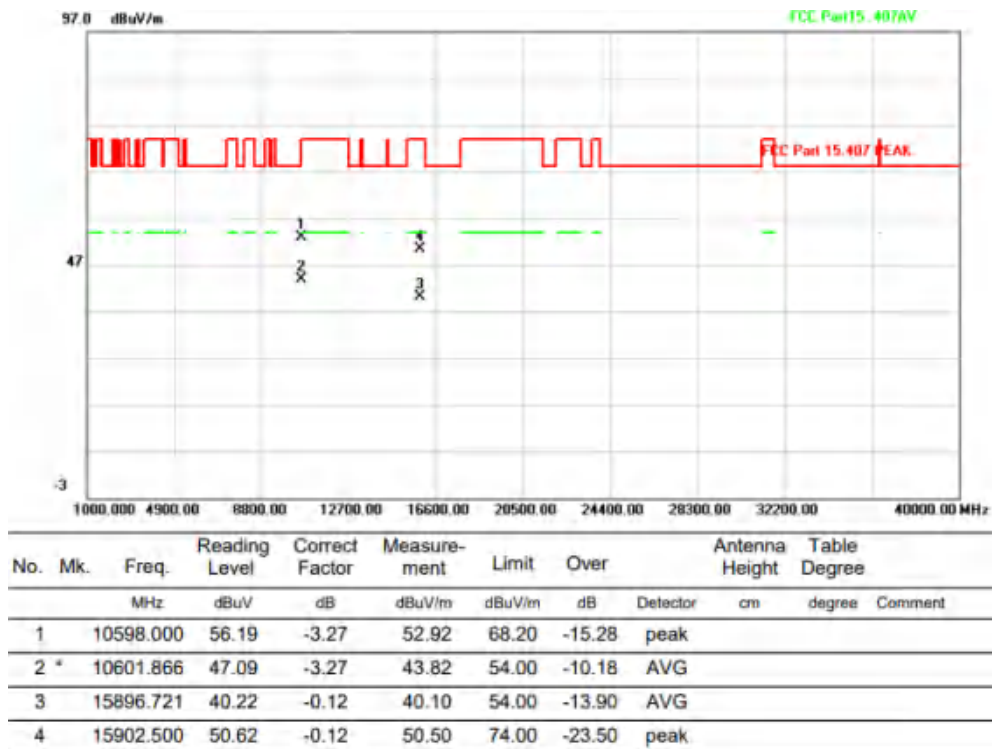
Test mode: 11A-CDD

Test Channel:56

VERTICAL



HORIZONTAL

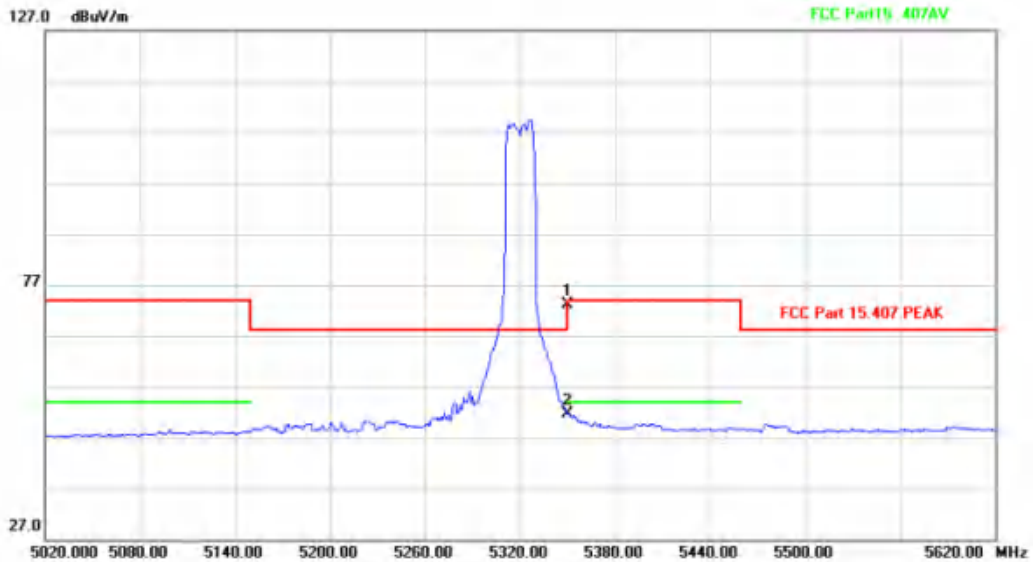


Above 1G (1GHz~40GHz)

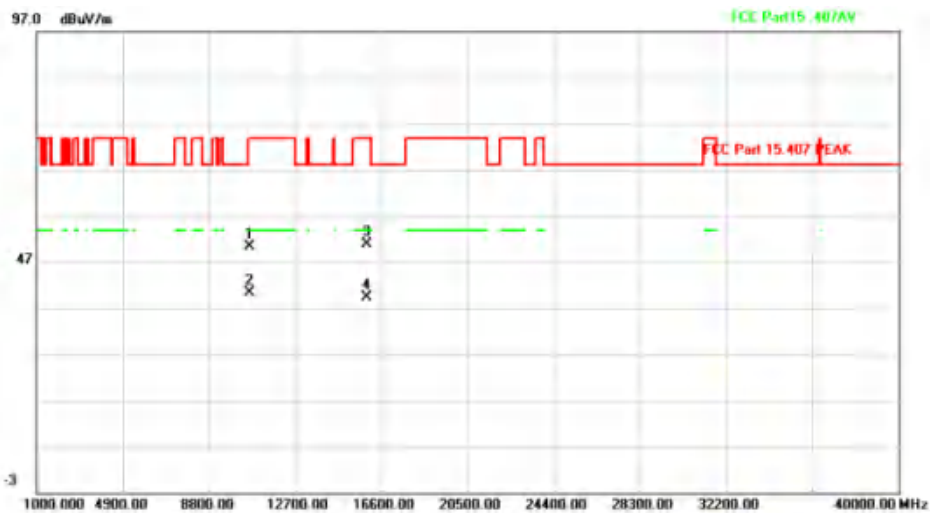
Test mode: 11A-CDD

Test Channel:64

VERTICAL

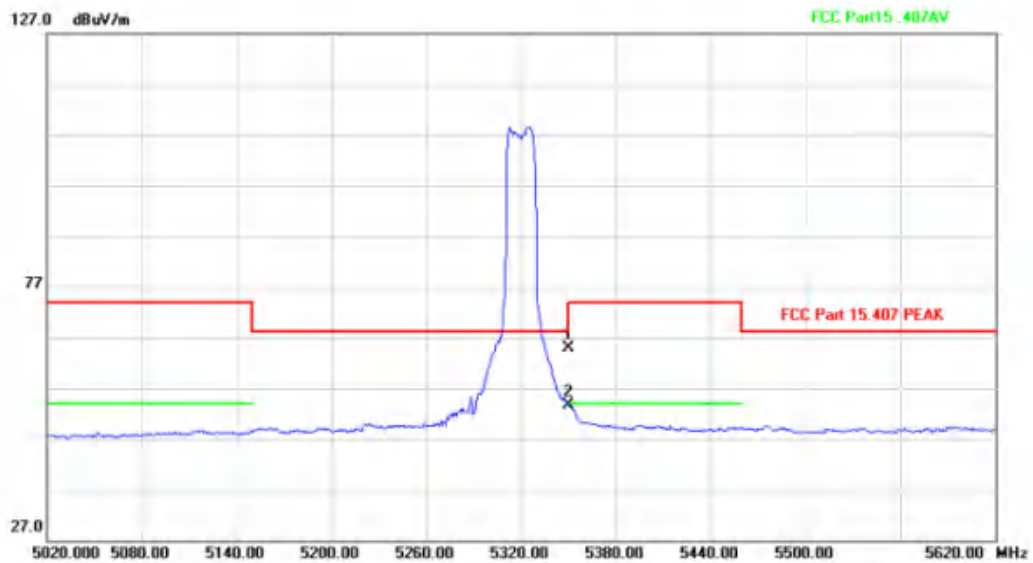


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | * | 5350.000 | 39.67 | 33.47 | 73.14 | 74.00 | -0.86 | peak | |
| 2 | | 5350.000 | 18.26 | 33.47 | 51.73 | 54.00 | -2.27 | AVG | |

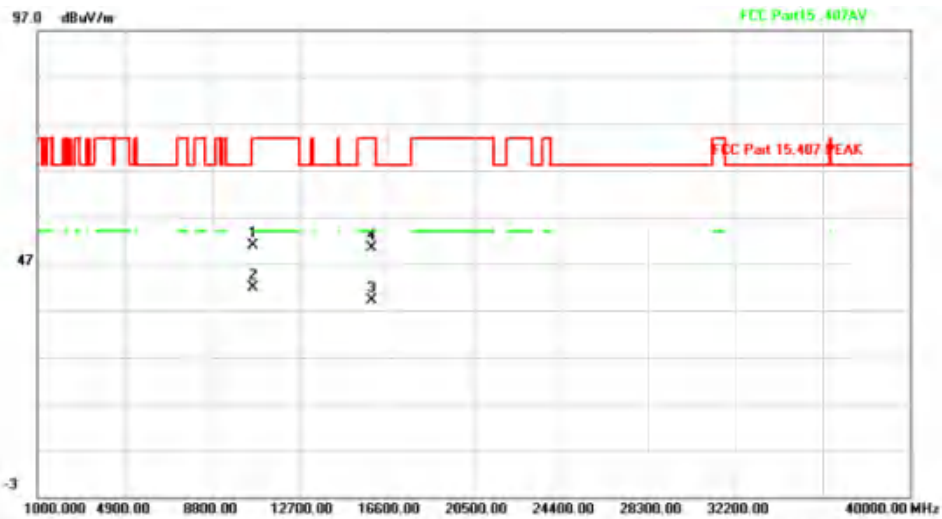


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 10639.000 | 53.61 | -3.23 | 50.38 | 74.00 | -23.62 | peak | |
| 2 | * | 10639.619 | 43.49 | -3.23 | 40.26 | 54.00 | -13.74 | AVG | |
| 3 | | 15968.500 | 50.95 | -0.11 | 50.84 | 74.00 | -23.16 | peak | |
| 4 | | 15974.614 | 39.38 | -0.11 | 39.27 | 54.00 | -14.73 | AVG | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | | 5350.000 | 31.53 | 33.47 | 65.00 | 74.00 | -9.00 | | | peak |
| 2 * | | 5350.000 | 20.27 | 33.47 | 53.74 | 54.00 | -0.26 | | | AVG |



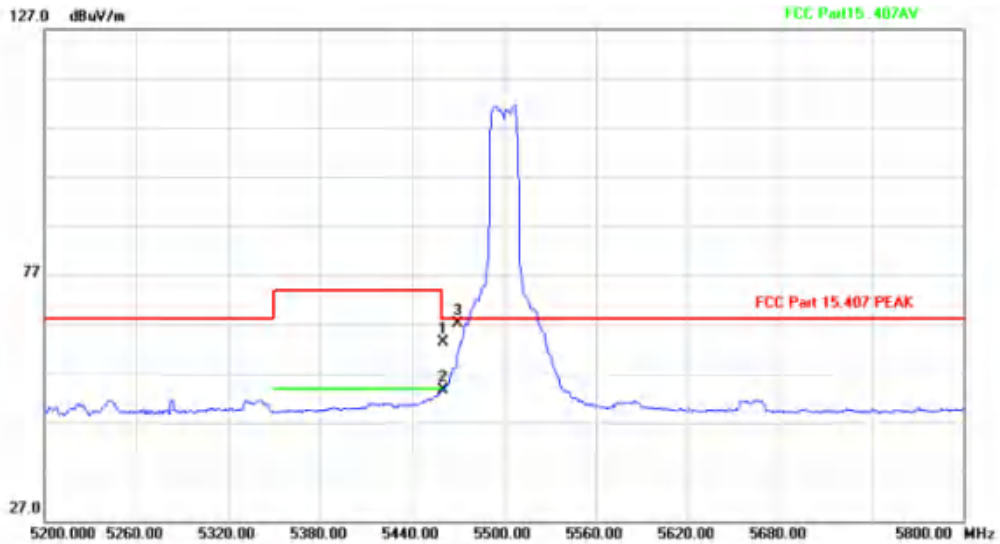
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | | 10639.000 | 54.19 | -3.23 | 50.96 | 74.00 | -23.04 | | | peak |
| 2 * | | 10642.476 | 45.08 | -3.22 | 41.86 | 54.00 | -12.14 | | | AVG |
| 3 | | 15965.193 | 39.34 | -0.11 | 39.23 | 54.00 | -14.77 | | | AVG |
| 4 | | 15968.500 | 50.54 | -0.11 | 50.43 | 74.00 | -23.57 | | | peak |

Above 1G (1GHz~40GHz)

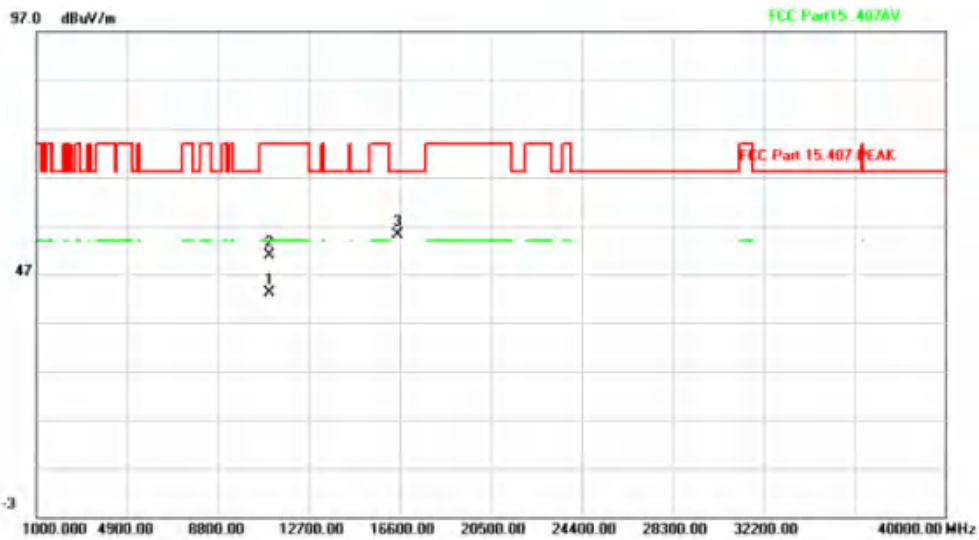
Test mode: 11A-CDD

Test Channel:100

VERTICAL

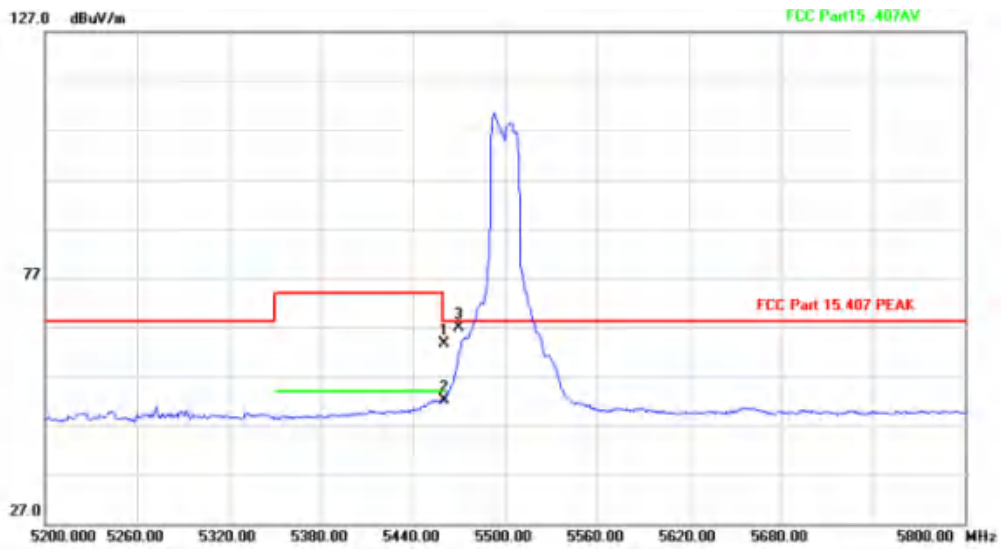


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 5460.000 | 30.01 | 33.49 | 63.50 | 74.00 | -10.50 | peak | |
| 2 | * | 5460.000 | 20.26 | 33.49 | 53.75 | 54.00 | -0.25 | AVG | |
| 3 | | 5470.000 | 33.67 | 33.49 | 67.16 | 68.20 | -1.04 | peak | |

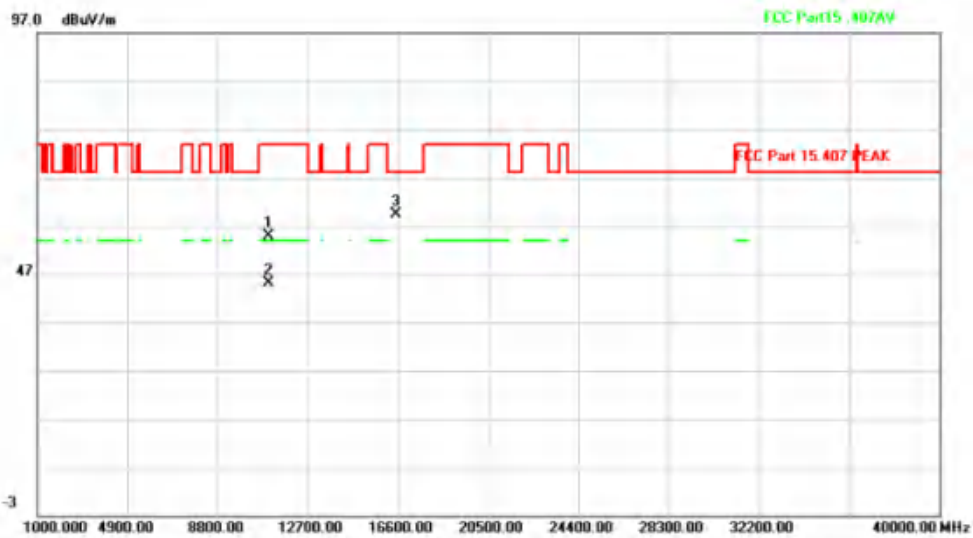


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | * | 10998.803 | 45.95 | -2.83 | 43.12 | 54.00 | -10.88 | AVG | |
| 2 | | 11001.500 | 53.63 | -2.82 | 50.81 | 74.00 | -23.19 | peak | |
| 3 | | 16504.000 | 53.85 | 1.28 | 55.13 | 68.20 | -13.07 | peak | |

HORIZONTALA



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5460.000 | 30.14 | 33.49 | 63.63 | 74.00 | -10.37 | | | peak |
| 2 | | 5460.000 | 18.58 | 33.49 | 52.07 | 54.00 | -1.93 | | | AVG |
| 3 | * | 5470.000 | 33.51 | 33.49 | 67.00 | 68.20 | -1.20 | | | peak |



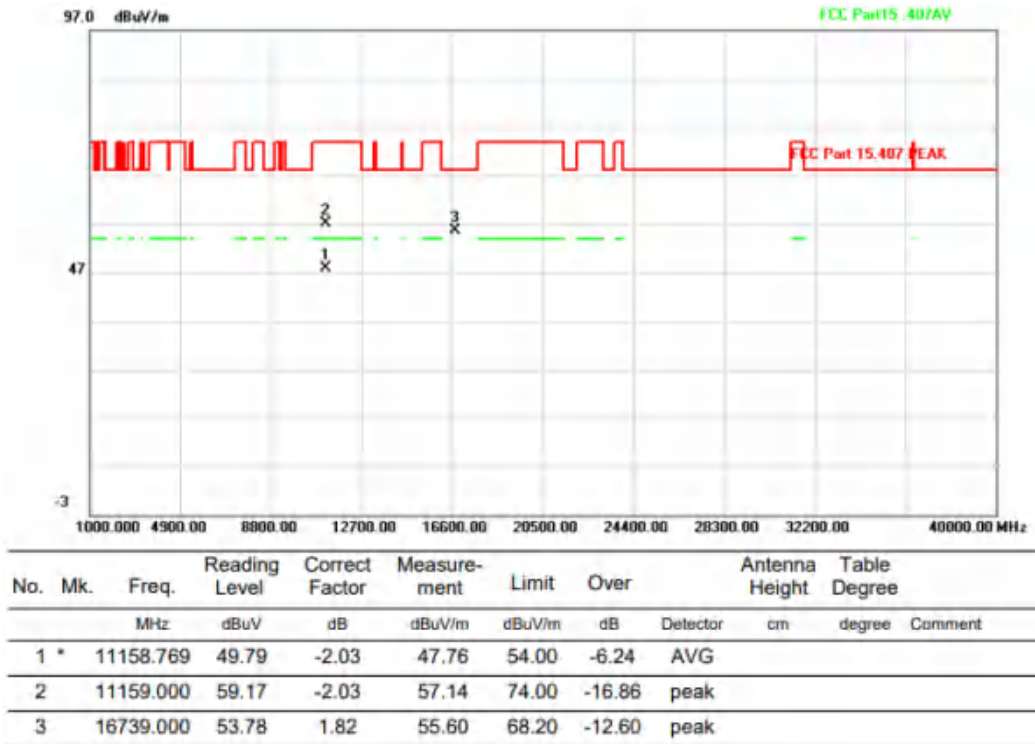
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10996.000 | 57.69 | -2.83 | 54.86 | 74.00 | -19.14 | | | peak |
| 2 | | 10999.436 | 47.92 | -2.83 | 45.09 | 54.00 | -8.91 | | | AVG |
| 3 | * | 16504.000 | 58.08 | 1.28 | 59.36 | 68.20 | -8.84 | | | peak |

Above 1G (1GHz~40GHz)

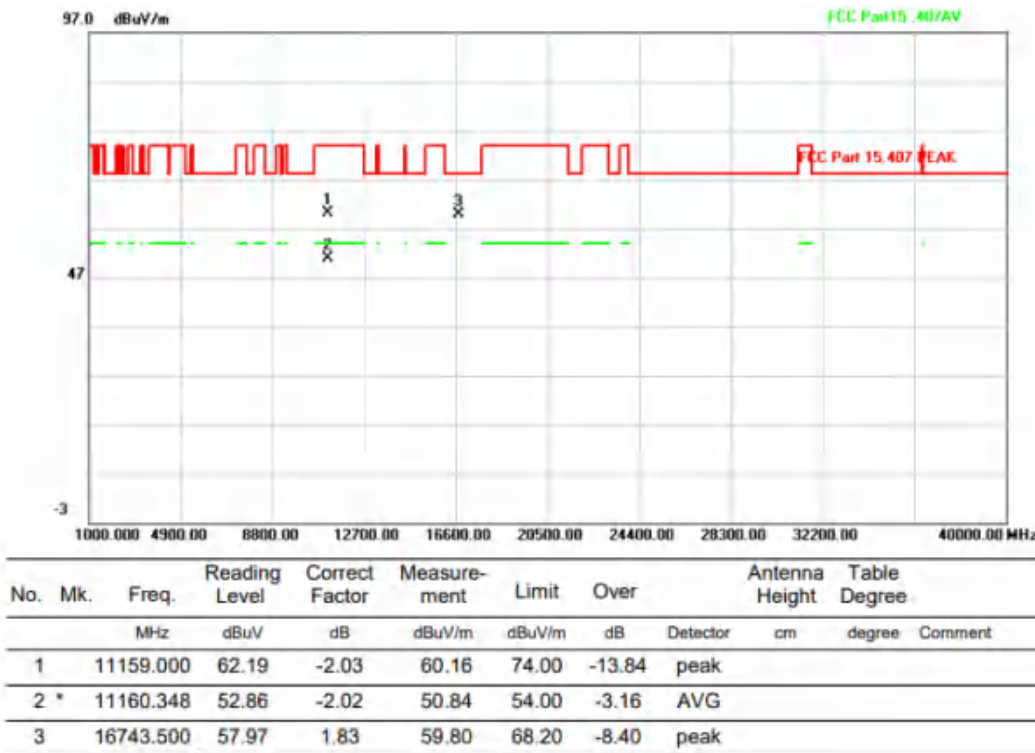
Test mode: 11A-CDD

Test Channel:116

VERTICAL

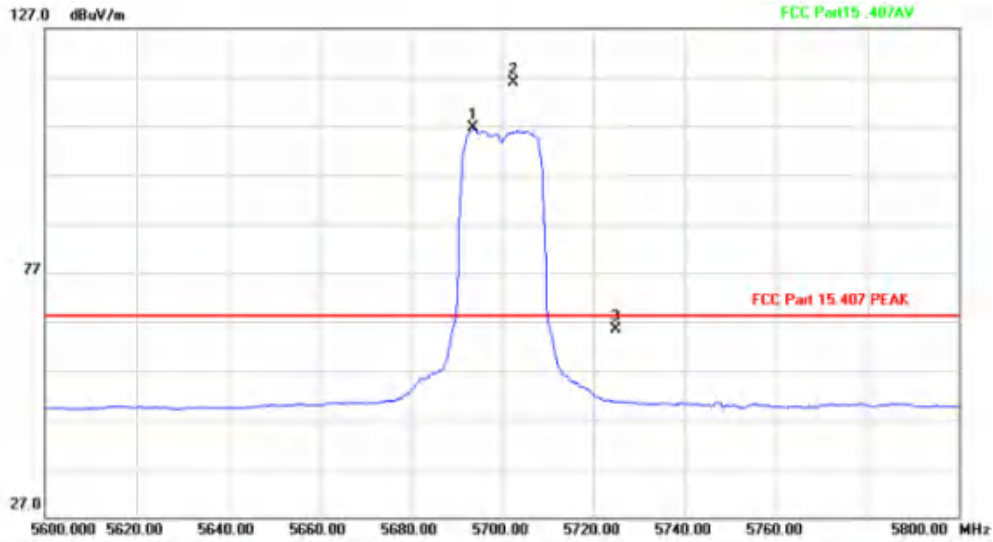


HORIZONTAL

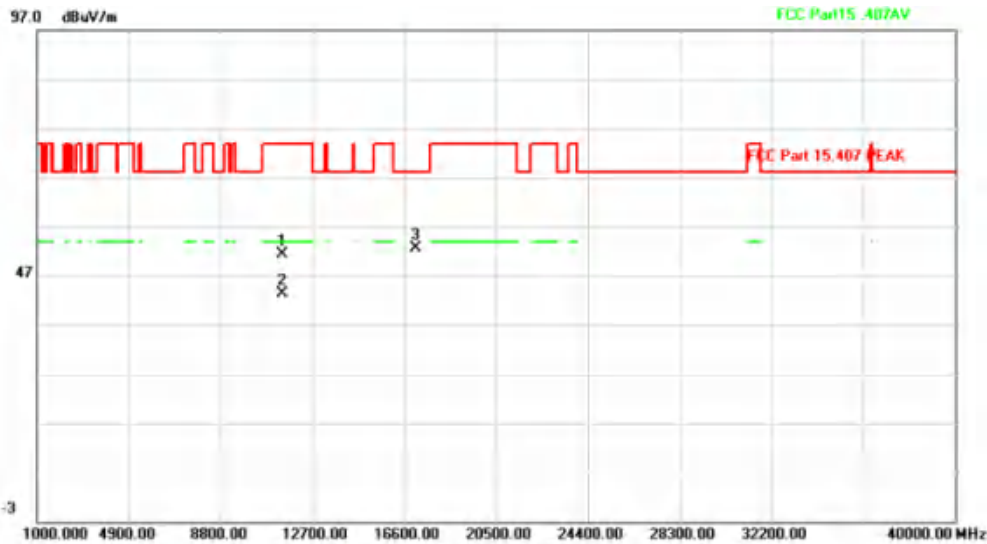


| | | |
|-----------------------|--------------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode: 11A-CDD | Test Channel:140 |
|-----------------------|--------------------|------------------|

VERTICAL

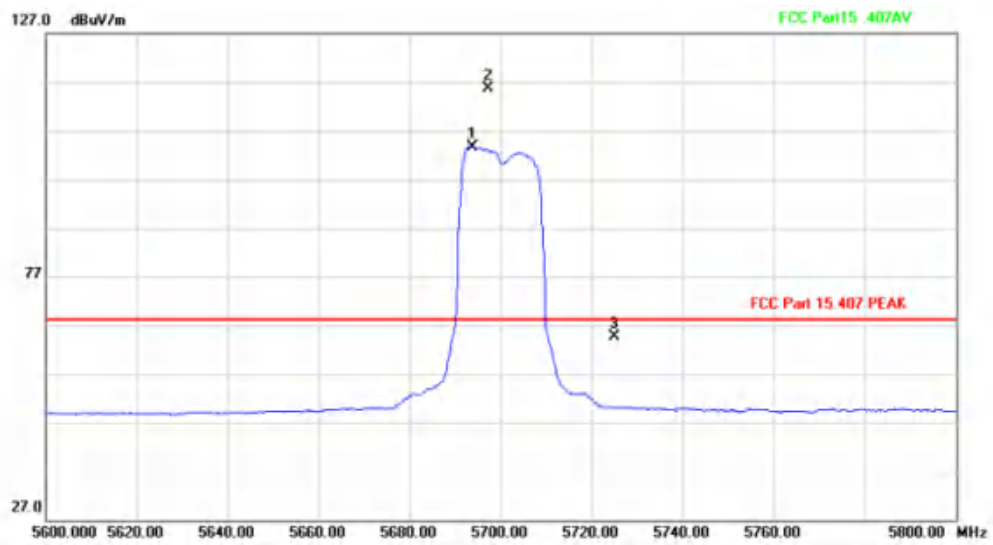


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | X | 5693.800 | 72.66 | 33.85 | 106.51 | 68.20 | 38.31 | | | AVG |
| 2 | * | 5702.400 | 81.91 | 33.86 | 115.77 | 68.20 | 47.57 | | | peak |
| 3 | | 5725.000 | 31.37 | 33.91 | 65.28 | 68.20 | -2.92 | | | peak |

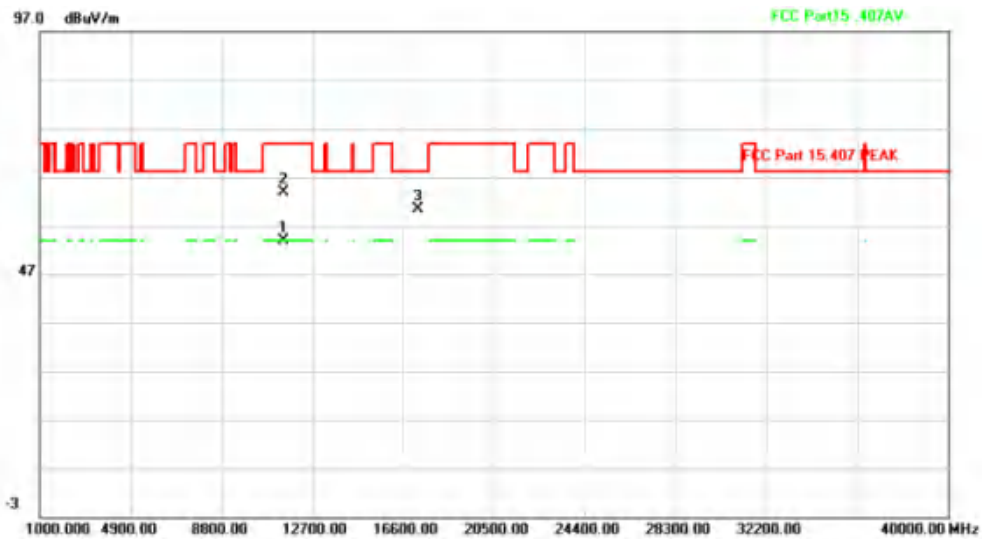


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11400.500 | 52.09 | -0.81 | 51.28 | 74.00 | -22.72 | | | peak |
| 2 | * | 11401.839 | 44.29 | -0.80 | 43.49 | 54.00 | -10.51 | | | AVG |
| 3 | | 17100.000 | 49.60 | 3.01 | 52.61 | 68.20 | -15.59 | | | peak |

HORIZONTAL



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Antenna Height cm | Table Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|-------------------------|-----------------|---------|
| 1 | X | 5693.600 | 69.83 | 33.85 | 103.68 | 68.20 | 35.48 | AVG | | | |
| 2 | * | 5697.200 | 81.80 | 33.85 | 115.65 | 68.20 | 47.45 | peak | | | |
| 3 | | 5725.000 | 30.60 | 33.91 | 64.51 | 68.20 | -3.69 | peak | | | |



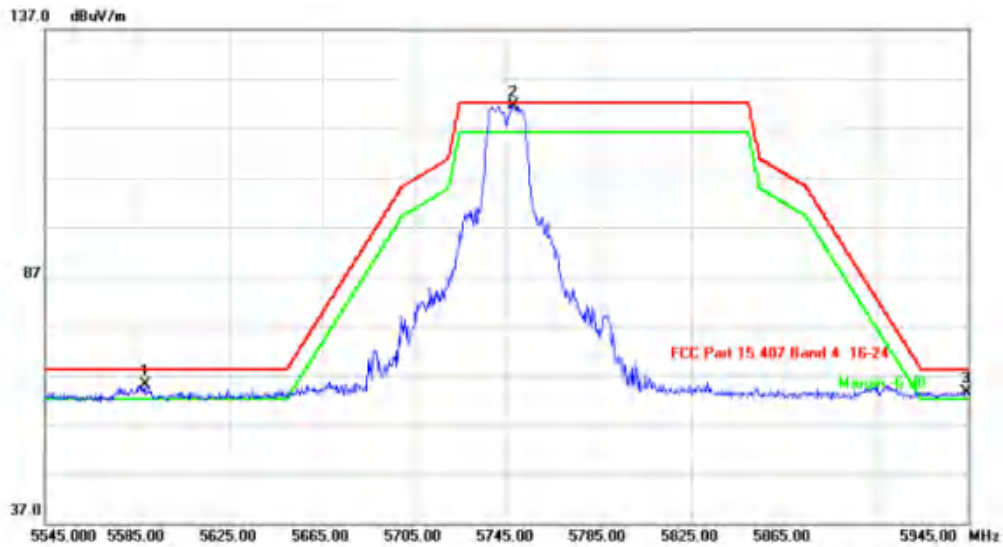
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Antenna Height cm | Table Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|-------------------------|-----------------|---------|
| 1 | * | 11485.974 | 54.26 | -0.38 | 53.88 | 54.00 | -0.12 | AVG | | | |
| 2 | | 11490.500 | 64.28 | -0.36 | 63.92 | 74.00 | -10.08 | peak | | | |
| 3 | | 17233.500 | 56.66 | 3.78 | 60.44 | 68.20 | -7.76 | peak | | | |

Above 1G (1GHz~40GHz)

Test mode: 11A-CDD

Test Channel:149

VERTICAL

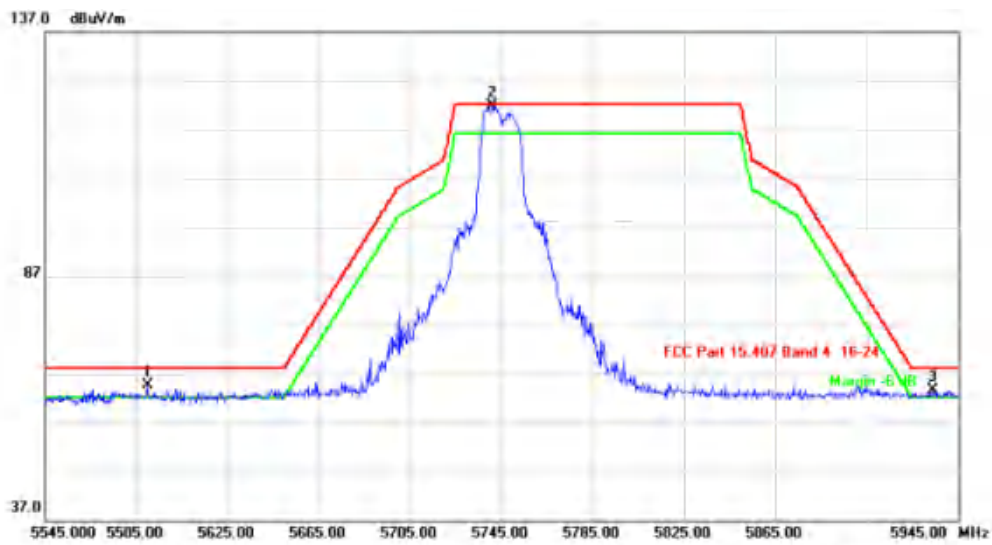


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | ! | 5588.200 | 31.39 | 33.66 | 65.05 | 68.20 | -3.15 | | | peak |
| 2 | * | 5747.800 | 87.78 | 33.95 | 121.73 | 122.20 | -0.47 | | | peak |
| 3 | ! | 5944.200 | 29.44 | 34.30 | 63.74 | 68.20 | -4.46 | | | peak |

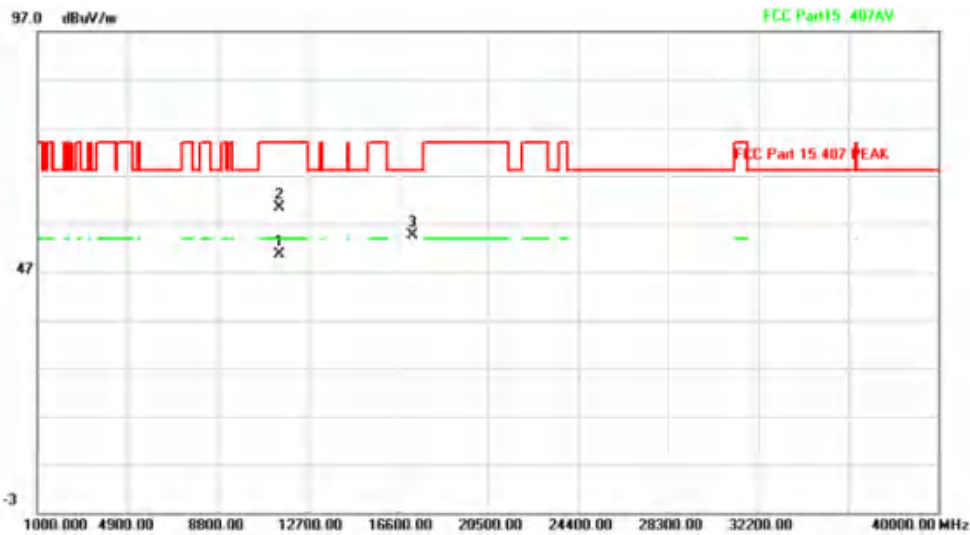


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11490.500 | 57.57 | -0.36 | 57.21 | 74.00 | -16.79 | | | peak |
| 2 | * | 11491.269 | 46.93 | -0.35 | 46.58 | 54.00 | -7.42 | | | AVG |
| 3 | | 17233.500 | 50.62 | 3.78 | 54.40 | 68.20 | -13.80 | | | peak |

HORIZONTALA



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | ! | 5589.800 | 31.02 | 33.66 | 64.68 | 68.20 | -3.52 | | | peak |
| 2 | * | 5741.000 | 87.89 | 33.93 | 121.82 | 122.20 | -0.38 | | | peak |
| 3 | ! | 5933.800 | 29.46 | 34.28 | 63.74 | 68.20 | -4.46 | | | peak |



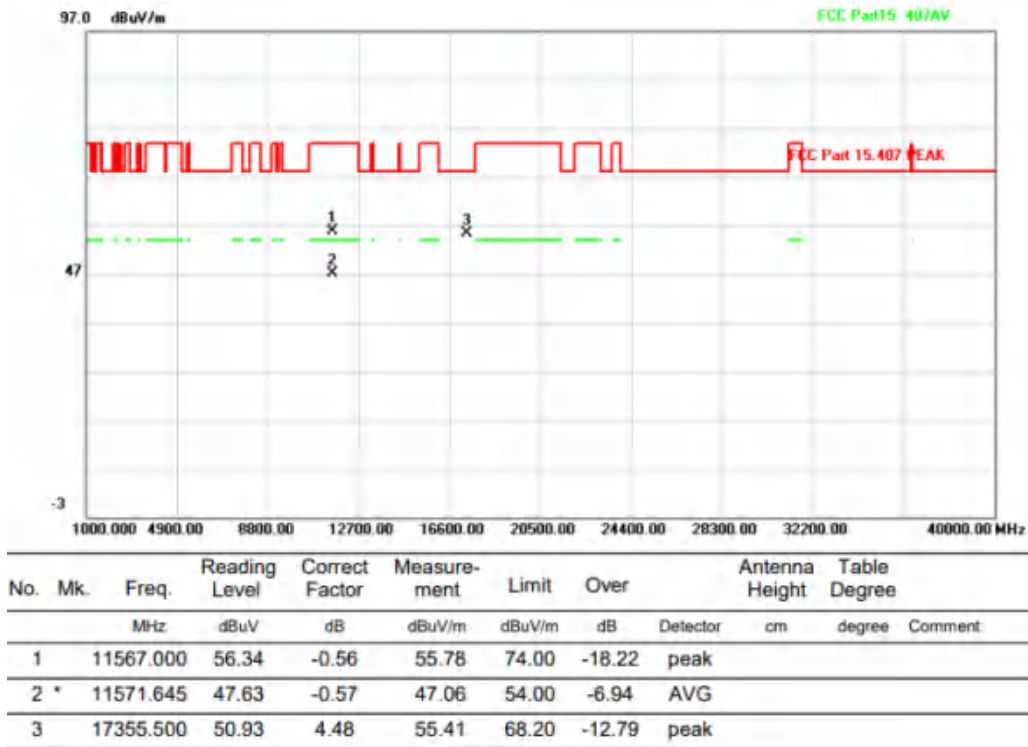
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11485.675 | 50.96 | -0.38 | 50.58 | 54.00 | -3.42 | | | AVG |
| 2 | | 11490.500 | 60.77 | -0.36 | 60.41 | 74.00 | -13.59 | | | peak |
| 3 | | 17233.500 | 50.97 | 3.78 | 54.75 | 68.20 | -13.45 | | | peak |

Above 1G (1GHz~40GHz)

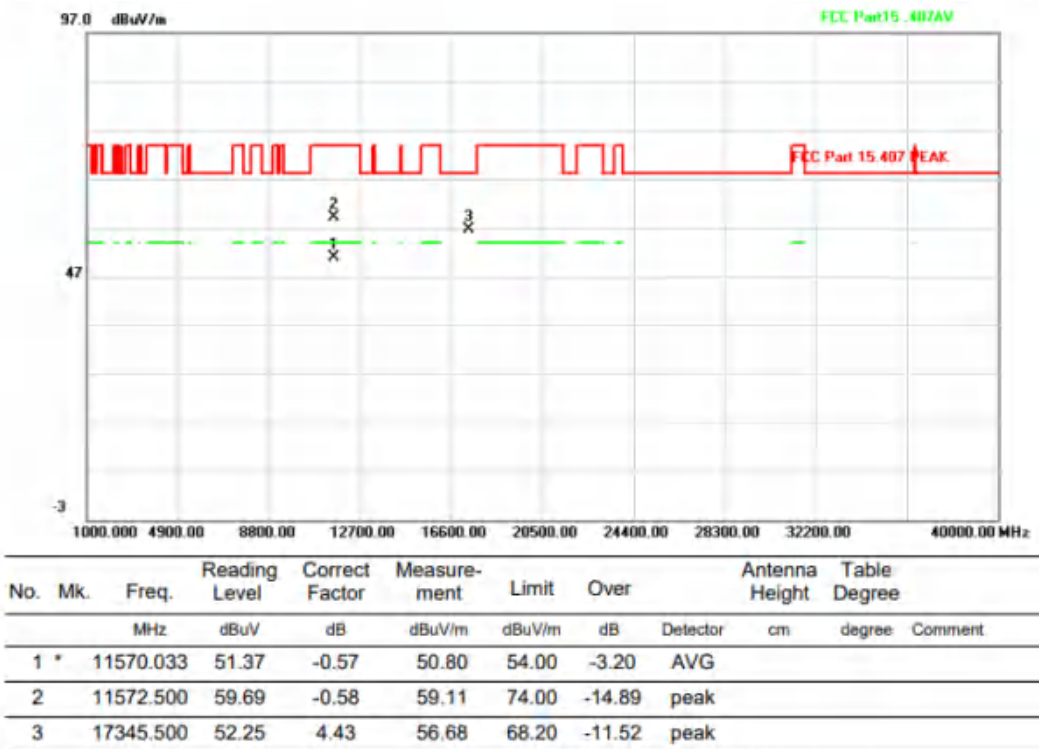
Test mode: 11A-CDD

Test Channel:157

VERTICAL



HORIZONTAL

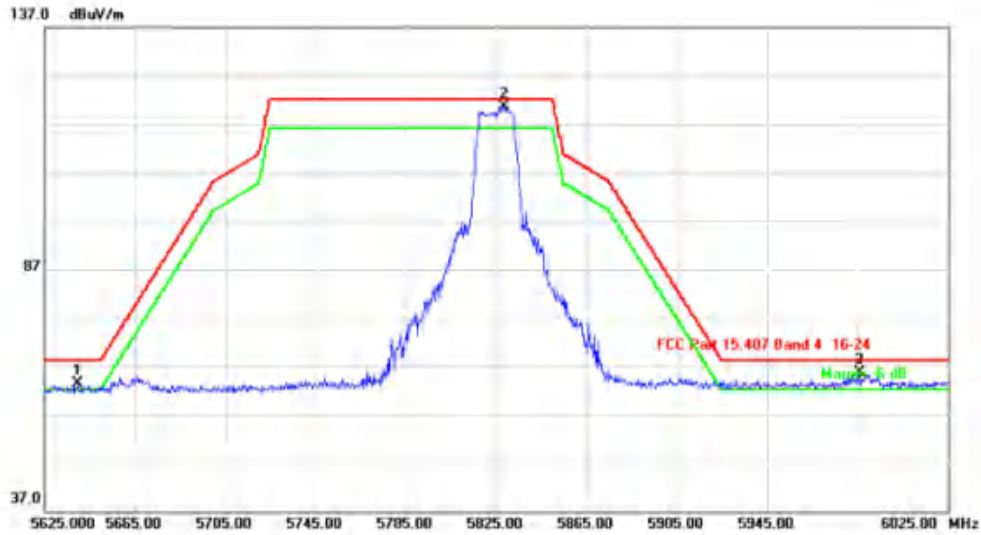


Above 1G (1GHz~40GHz)

Test mode: 11A-CDD

Test Channel:165

VERTICAL

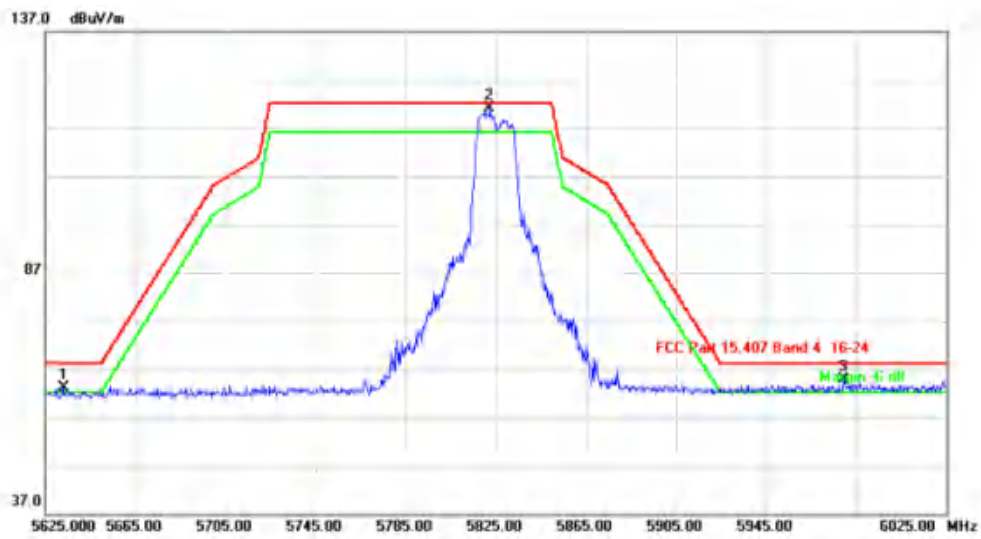


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Antenna Height cm | Table Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|-------------------------|-----------------|---------|
| 1 | ! | 5639.800 | 29.72 | 33.75 | 63.47 | 68.20 | -4.73 | peak | | |
| 2 | * | 5828.200 | 86.50 | 34.09 | 120.59 | 122.20 | -1.61 | peak | | |
| 3 | ! | 5985.800 | 31.26 | 34.37 | 65.63 | 68.20 | -2.57 | peak | | |

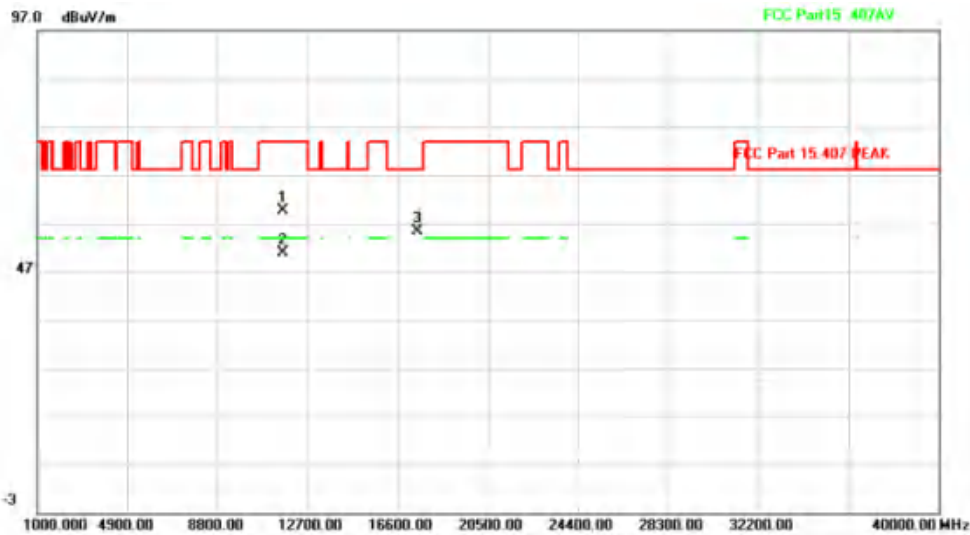


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Antenna Height cm | Table Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|-------------------------|-----------------|---------|
| 1 | | 11649.000 | 55.73 | -0.86 | 54.87 | 74.00 | -19.13 | peak | | |
| 2 | * | 11651.068 | 47.79 | -0.86 | 46.93 | 54.00 | -7.07 | AVG | | |
| 3 | | 17473.000 | 49.68 | 5.16 | 54.84 | 68.20 | -13.36 | peak | | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | ! | 5633.000 | 29.29 | 33.74 | 63.03 | 68.20 | -5.17 | | | peak |
| 2 | * | 5822.200 | 87.10 | 34.08 | 121.18 | 122.20 | -1.02 | | | peak |
| 3 | ! | 5979.400 | 30.50 | 34.36 | 64.86 | 68.20 | -3.34 | | | peak |



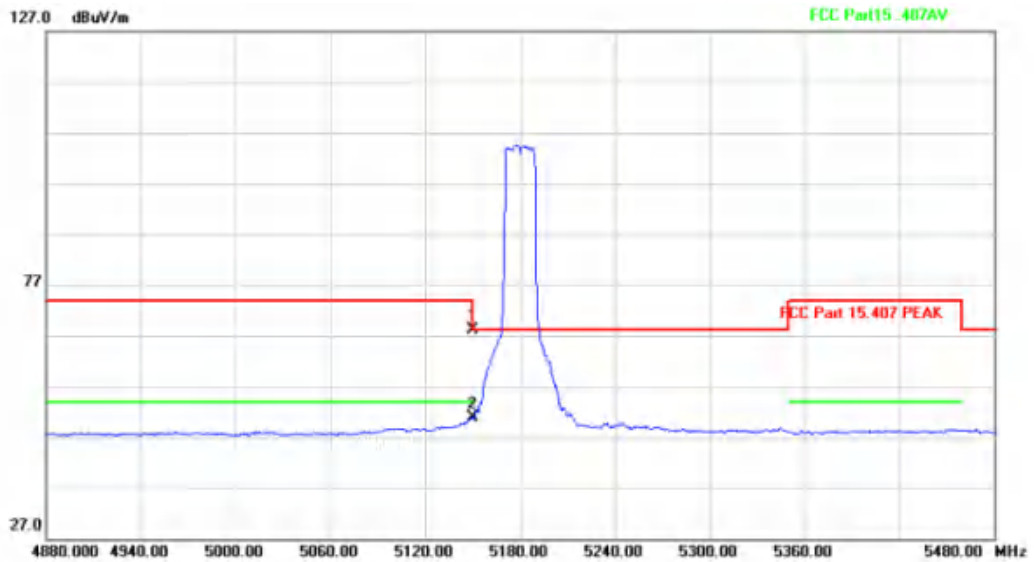
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11649.000 | 60.44 | -0.86 | 59.58 | 74.00 | -14.42 | | | peak |
| 2 | * | 11649.610 | 51.74 | -0.86 | 50.88 | 54.00 | -3.12 | | | AVG |
| 3 | | 17473.000 | 50.19 | 5.16 | 55.35 | 68.20 | -12.85 | | | peak |

Above 1G (1GHz~40GHz)

Test mode: 11N20MIMO

Test Channel:36

VERTICAL

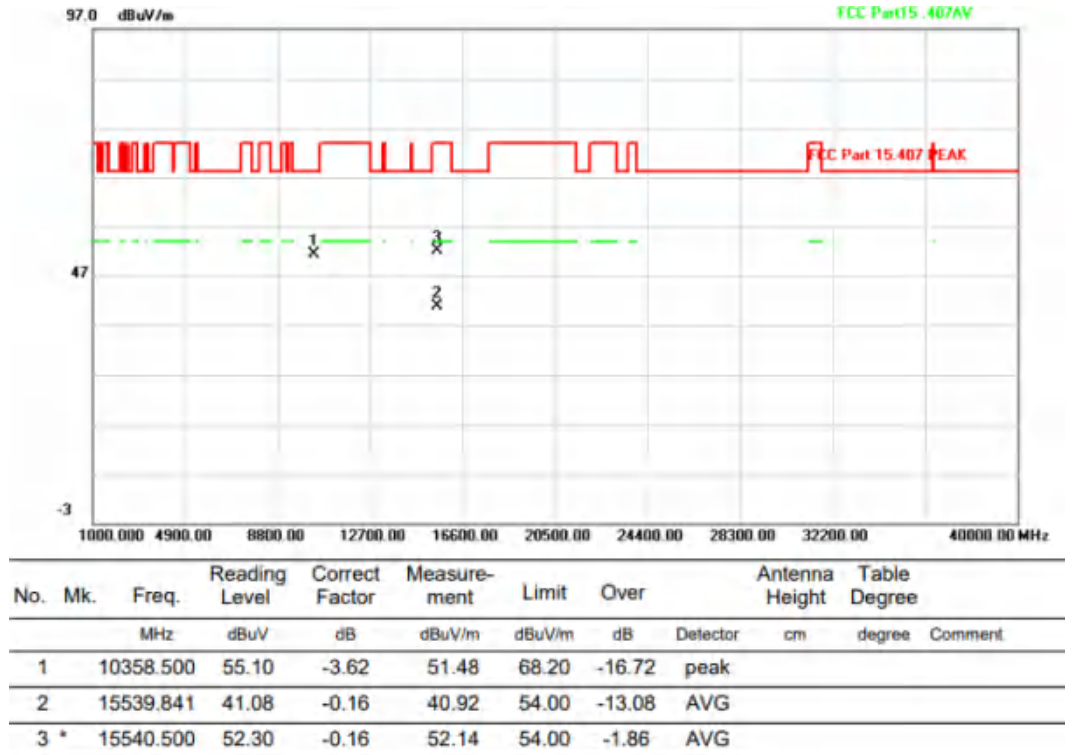
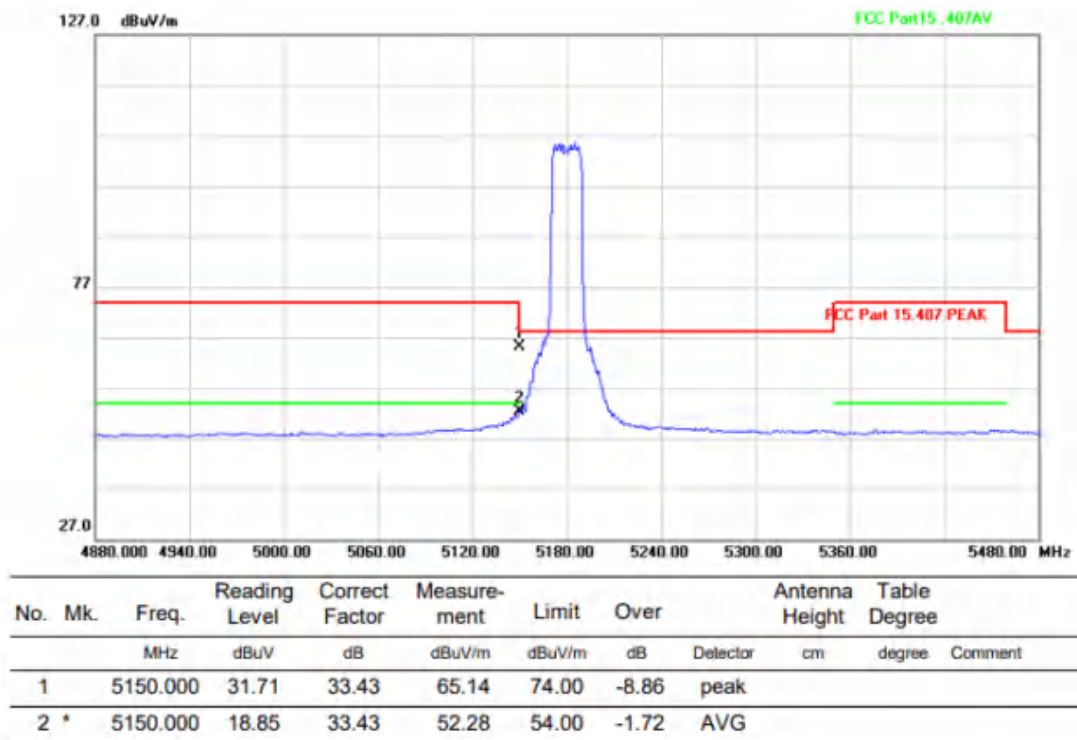


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 5150.000 | 34.76 | 33.43 | 68.19 | 74.00 | -5.81 | peak | |
| 2 * | | 5150.000 | 17.53 | 33.43 | 50.96 | 54.00 | -3.04 | AVG | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 10358.500 | 54.10 | -3.62 | 50.48 | 68.20 | -17.72 | peak | |
| 2 * | | 15538.982 | 40.91 | -0.16 | 40.75 | 54.00 | -13.25 | AVG | |
| 3 | | 15540.500 | 52.28 | -0.16 | 52.12 | 74.00 | -21.88 | peak | |

HORIZONTALA

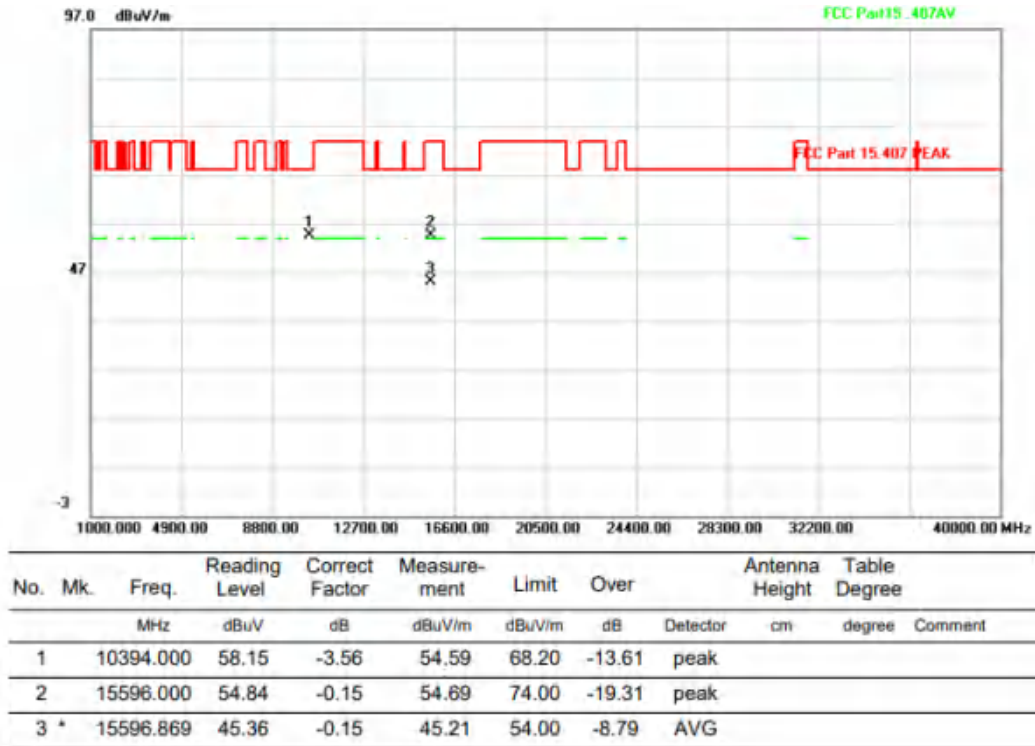


Above 1G (1GHz~40GHz)

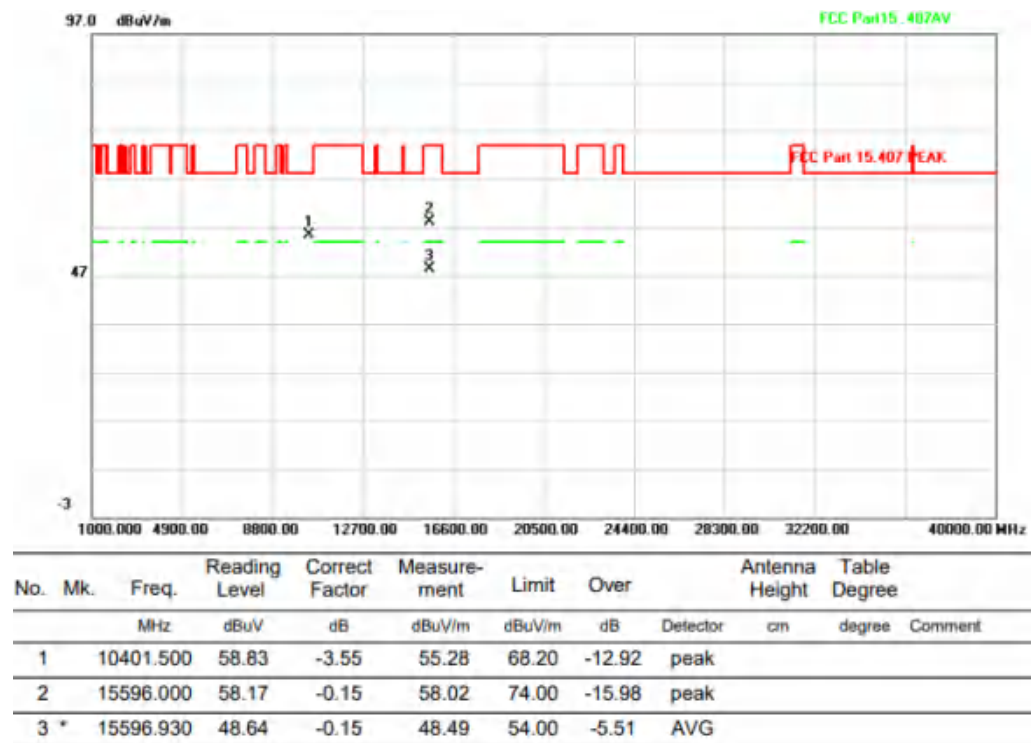
Test mode: 11N20MIMO

Test Channel:40

VERTICAL



HORIZONTAL

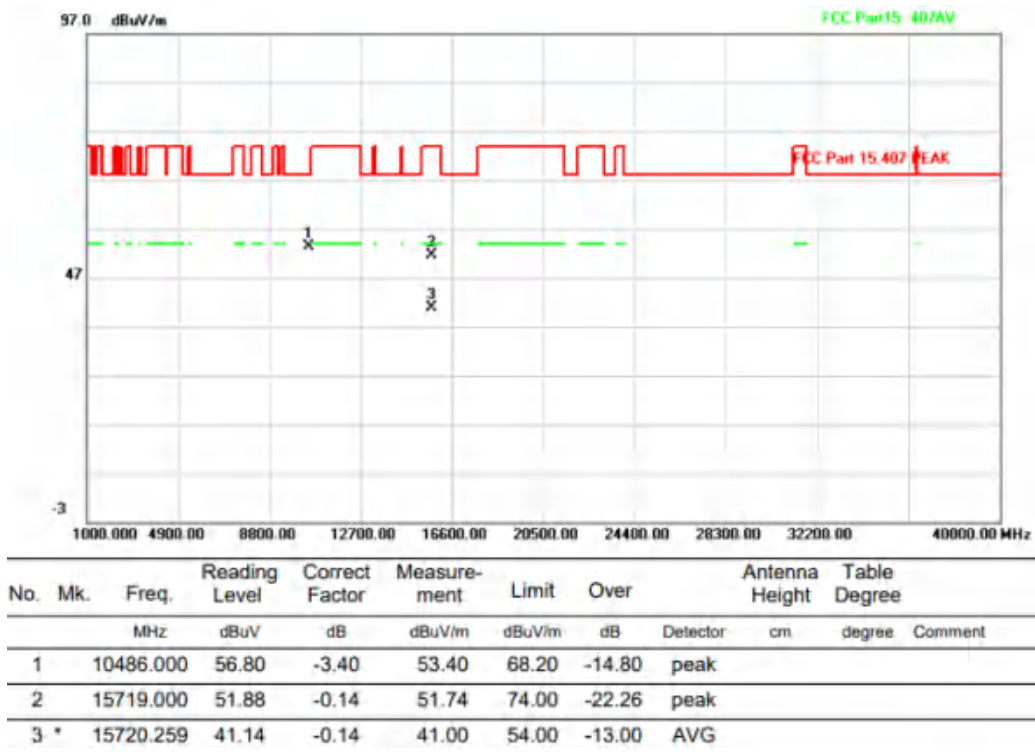


Above 1G (1GHz~40GHz)

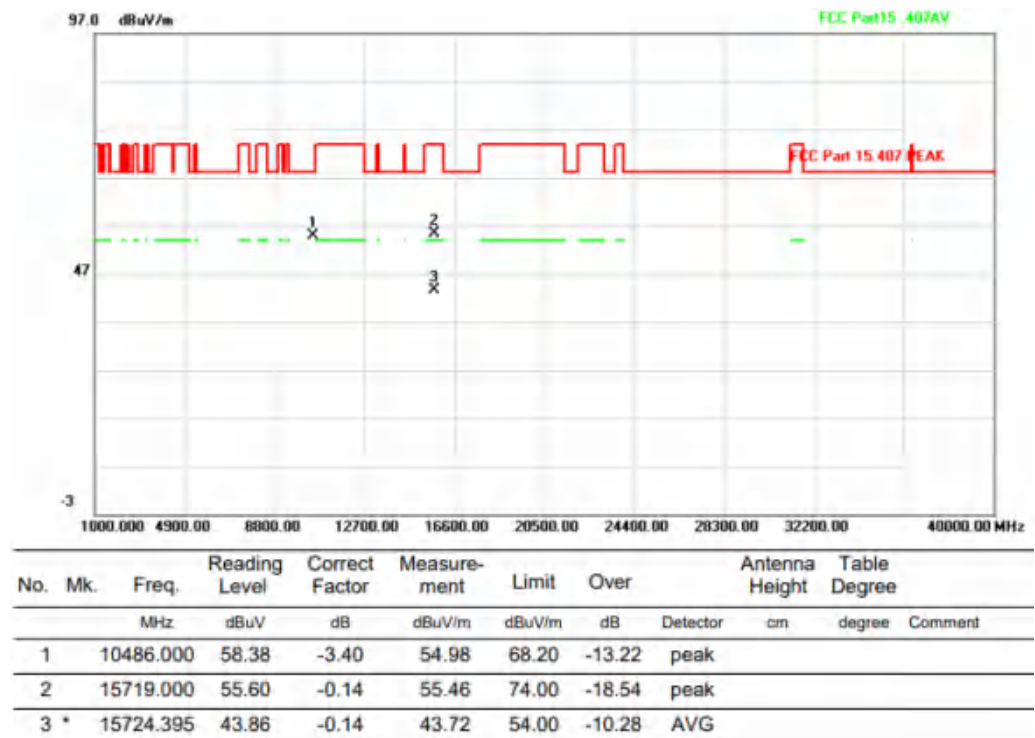
Test mode: 11N20MIMO

Test Channel:48

VERTICAL



HORIZONTAL

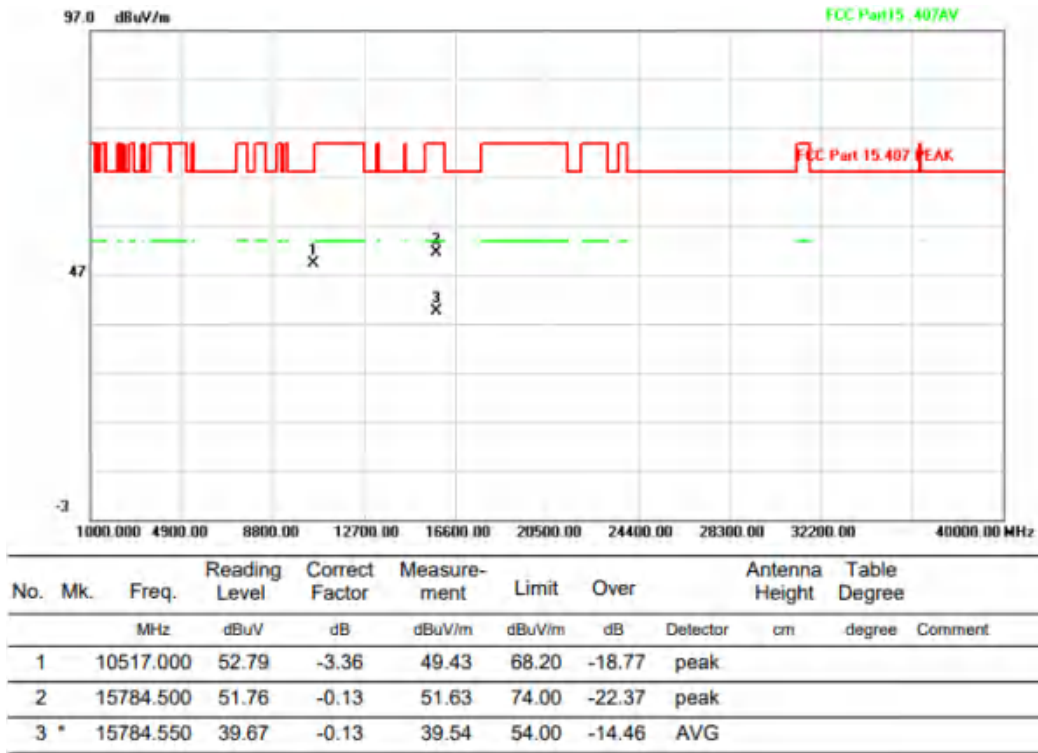


Above 1G (1GHz~40GHz)

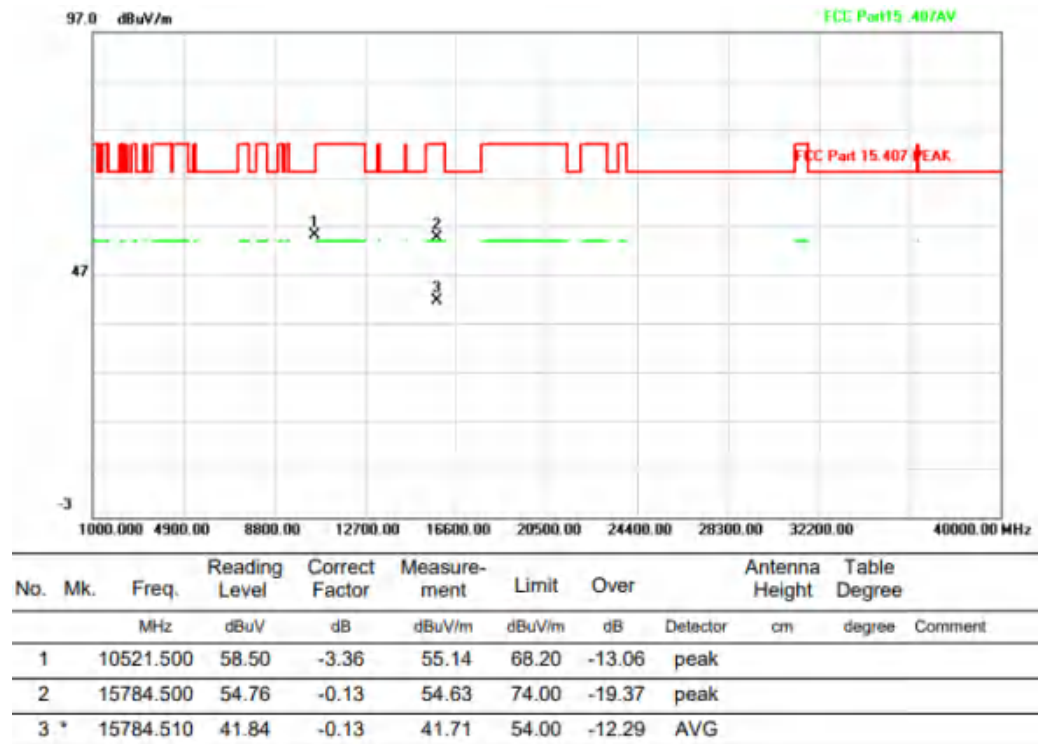
Test mode: 11N20MIMO

Test Channel:52

VERTICAL



HORIZONTAL

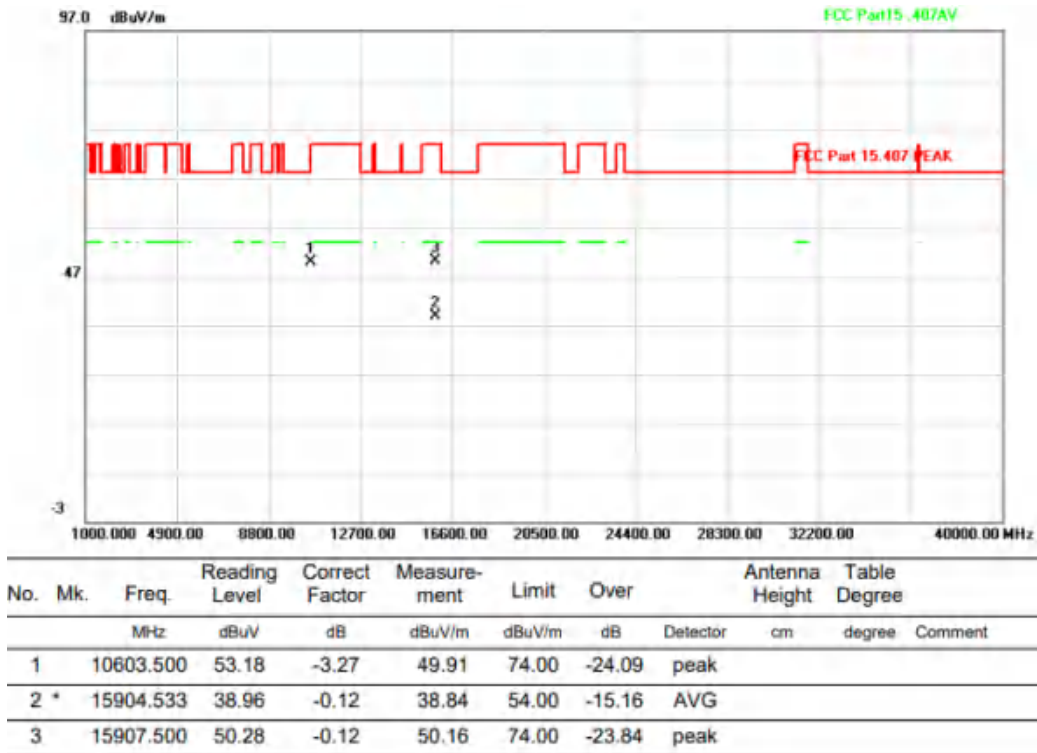


Above 1G (1GHz~40GHz)

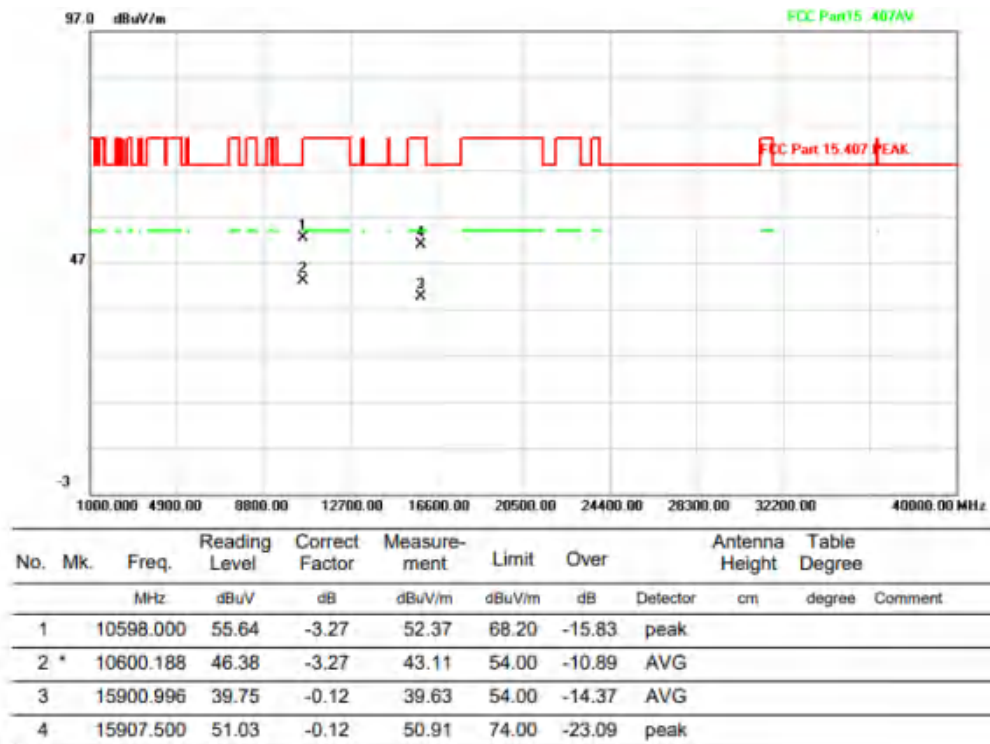
Test mode: 11N20MIMO

Test Channel:56

VERTICAL



HORIZONTAL

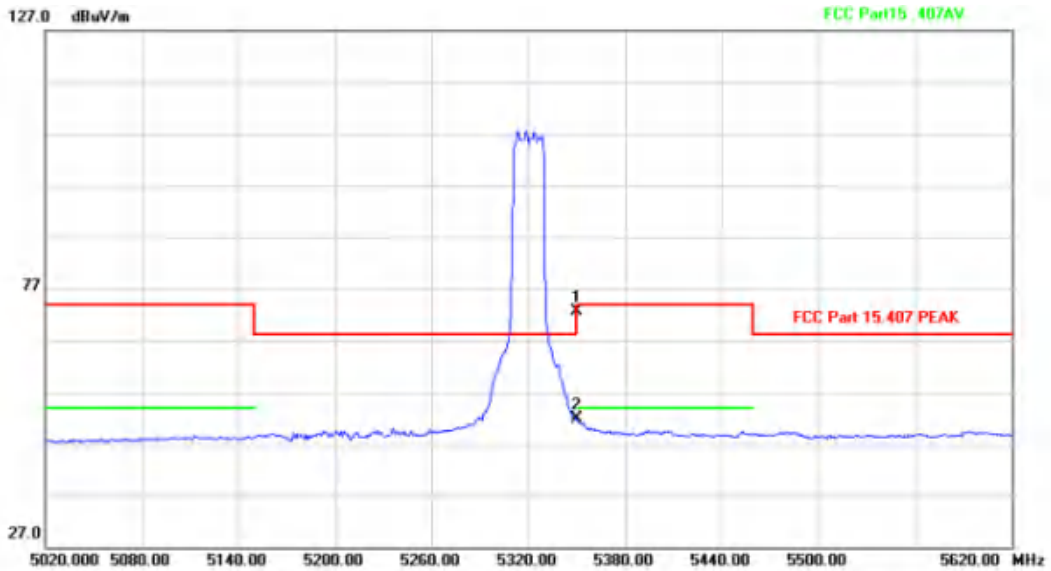


Above 1G (1GHz~40GHz)

Test mode: 11N20MIMO

Test Channel:64

VERTICAL

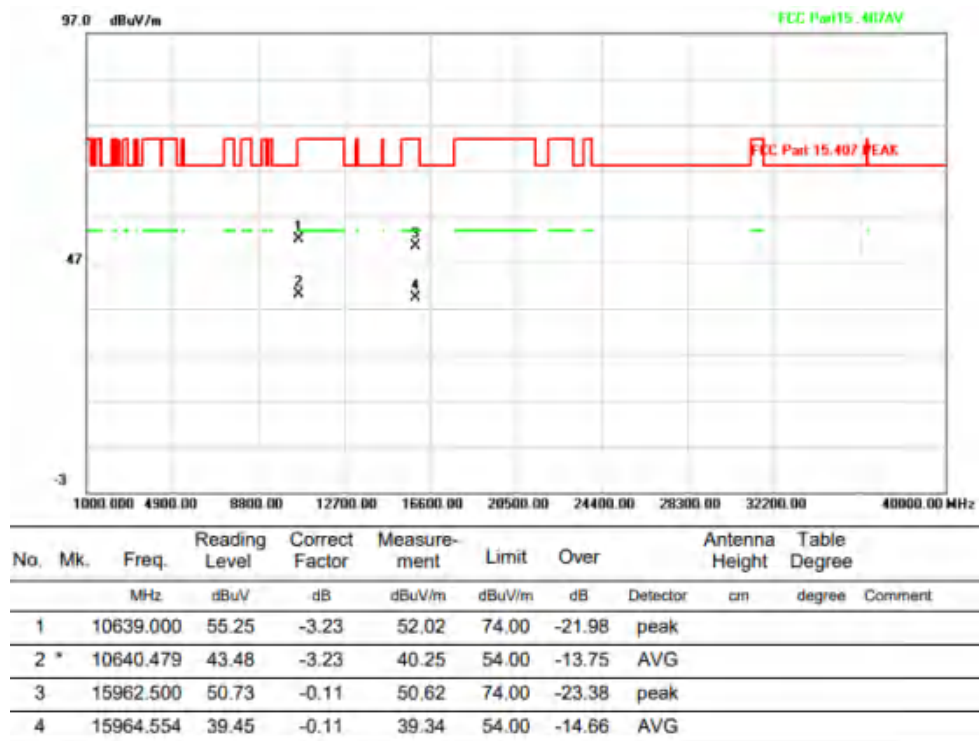
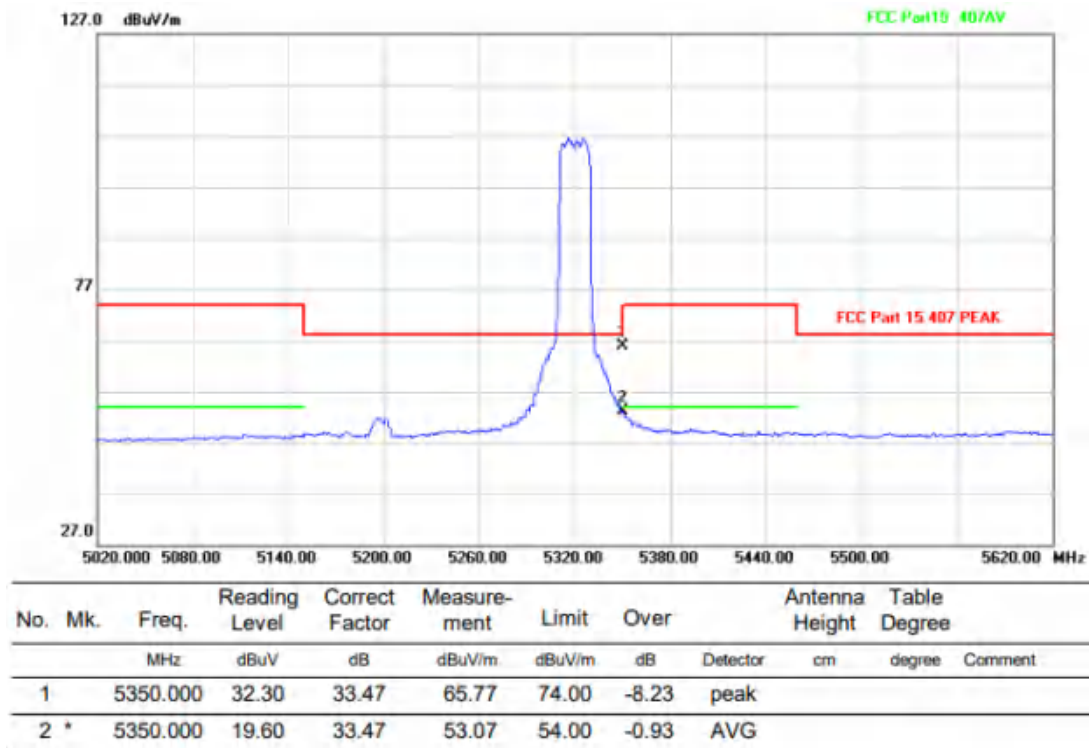


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 5350.000 | 39.14 | 33.47 | 72.61 | 74.00 | -1.39 | | | peak |
| 2 | | 5350.000 | 18.44 | 33.47 | 51.91 | 54.00 | -2.09 | | | AVG |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10639.000 | 53.49 | -3.23 | 50.26 | 74.00 | -23.74 | | | peak |
| 2 | * | 10642.816 | 42.76 | -3.22 | 39.54 | 54.00 | -14.46 | | | AVG |
| 3 | | 15961.500 | 51.03 | -0.11 | 50.92 | 74.00 | -23.08 | | | peak |
| 4 | | 15964.854 | 39.55 | -0.11 | 39.44 | 54.00 | -14.56 | | | AVG |

HORIZONTALA

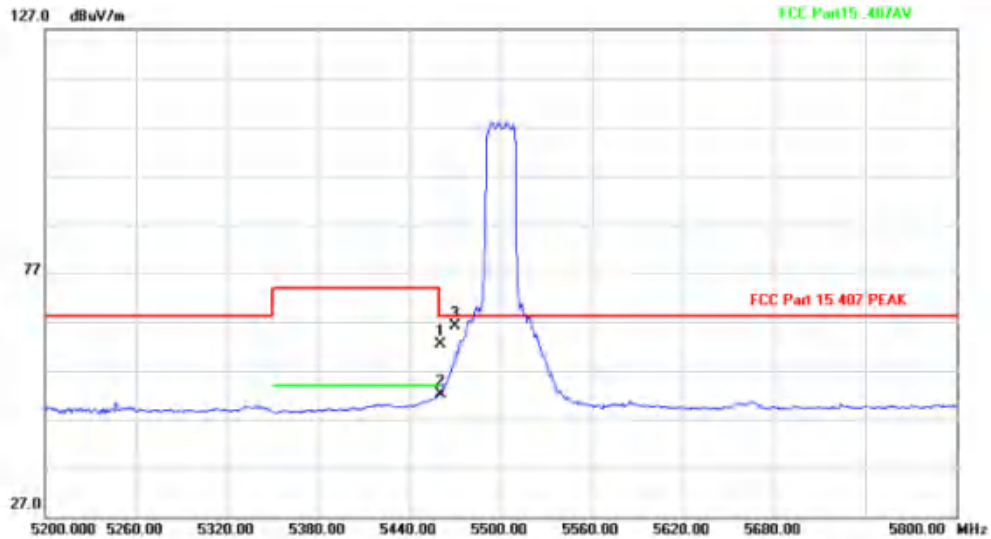


Above 1G (1GHz~40GHz)

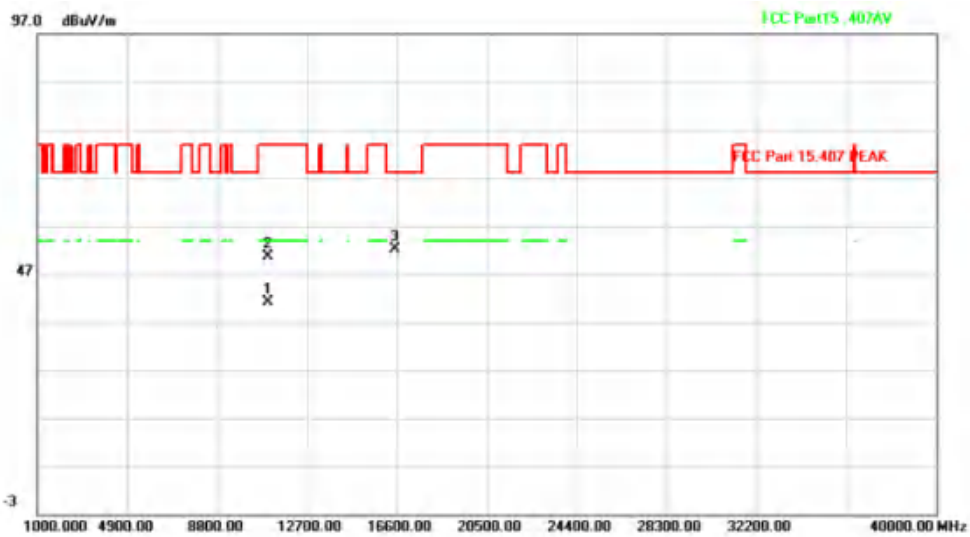
Test mode: 11N20MIMO

Test Channel:100

VERTICAL

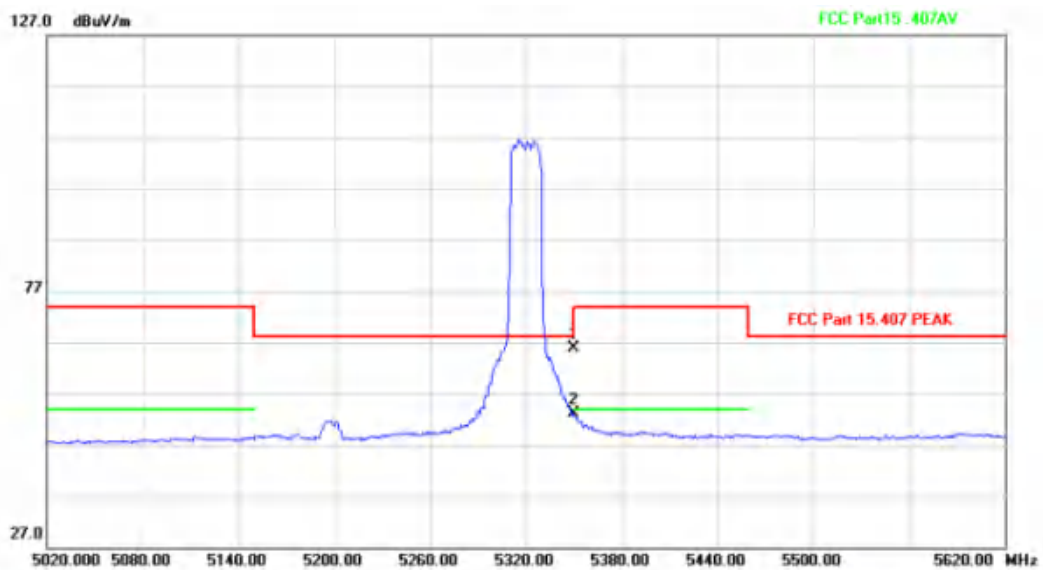


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 5460.000 | 28.95 | 33.49 | 62.44 | 74.00 | -11.56 | peak | |
| 2 * | | 5460.000 | 18.69 | 33.49 | 52.18 | 54.00 | -1.82 | AVG | |
| 3 | | 5470.000 | 32.65 | 33.49 | 66.14 | 68.20 | -2.06 | peak | |

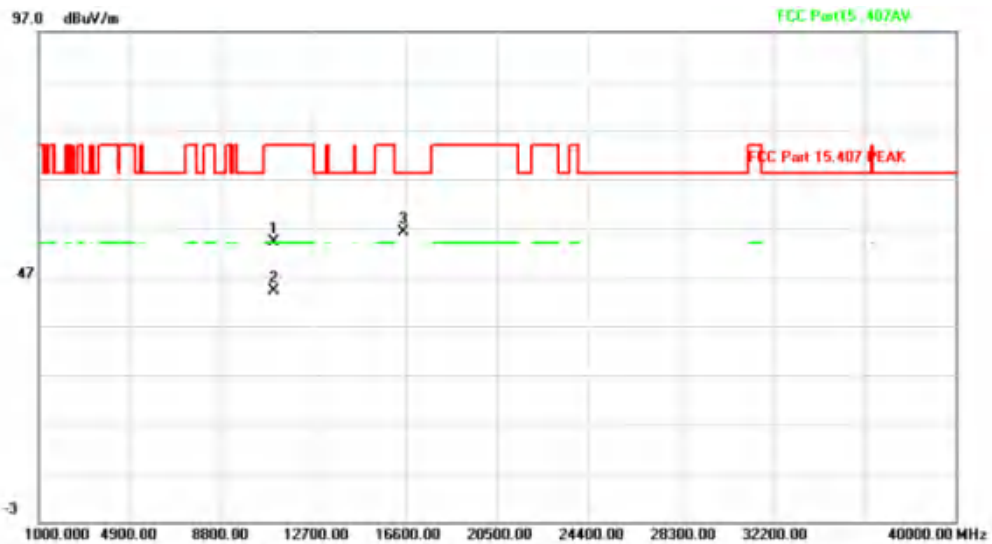


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 * | | 10999.163 | 43.94 | -2.83 | 41.11 | 54.00 | -12.89 | AVG | |
| 2 | | 11001.500 | 53.41 | -2.82 | 50.59 | 74.00 | -23.41 | peak | |
| 3 | | 16504.500 | 50.91 | 1.28 | 52.19 | 68.20 | -16.01 | peak | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5350.000 | 32.30 | 33.47 | 65.77 | 74.00 | -8.23 | peak | | |
| 2 * | | 5350.000 | 19.60 | 33.47 | 53.07 | 54.00 | -0.93 | AVG | | |



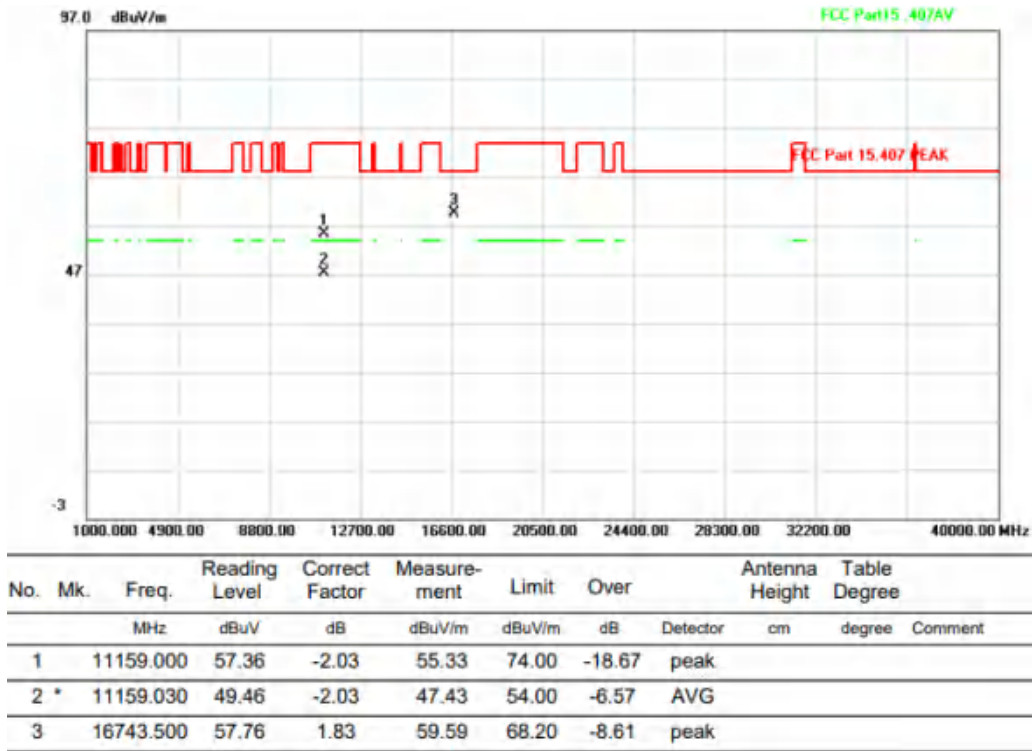
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10996.000 | 56.87 | -2.83 | 54.04 | 74.00 | -19.96 | peak | | |
| 2 * | | 11001.634 | 46.97 | -2.82 | 44.15 | 54.00 | -9.85 | AVG | | |
| 3 | | 16504.000 | 54.87 | 1.28 | 56.15 | 68.20 | -12.05 | peak | | |

Above 1G (1GHz~40GHz)

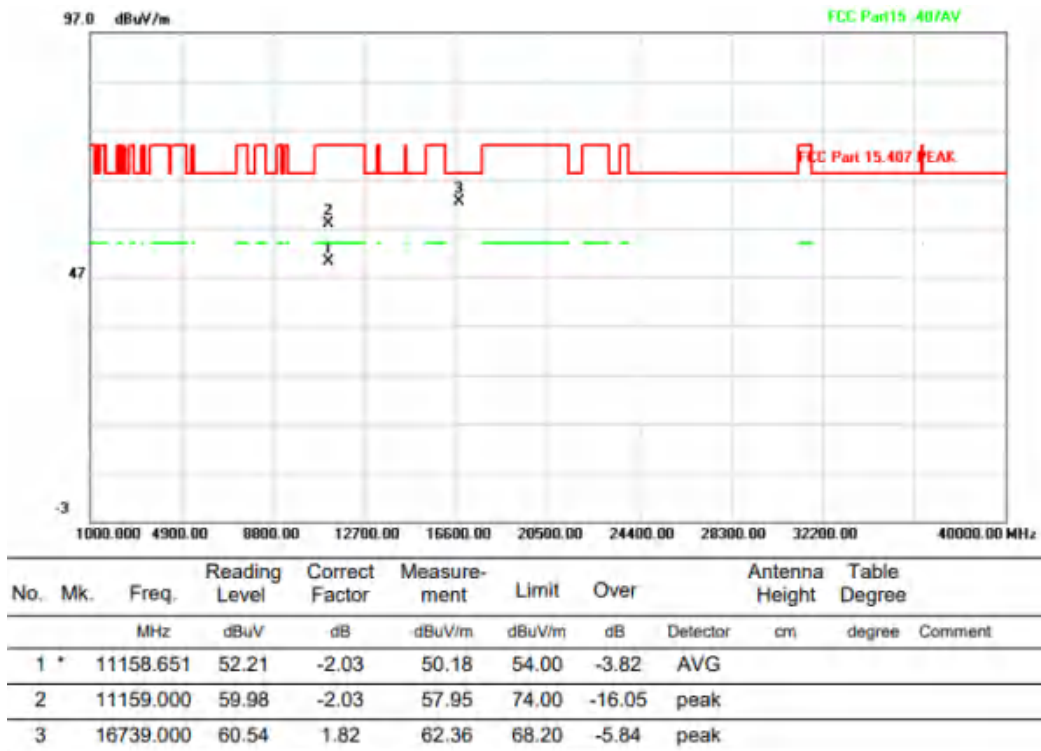
Test mode: 11N20MIMO

Test Channel:116

VERTICAL



HORIZONTAL

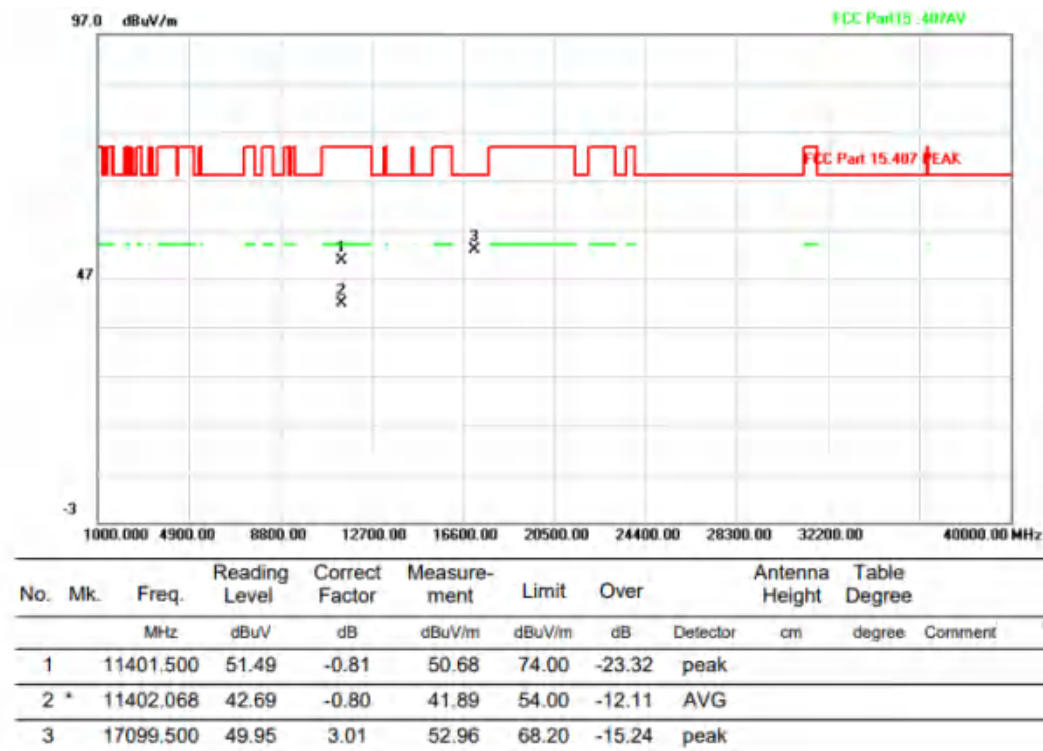
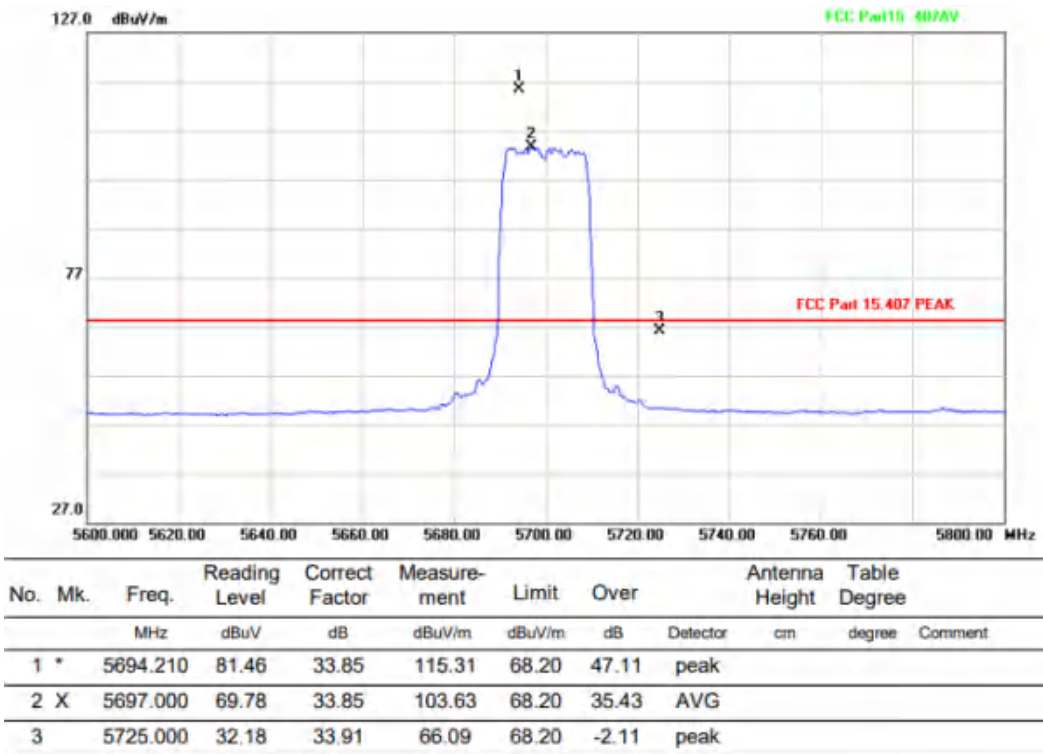


Above 1G (1GHz~40GHz)

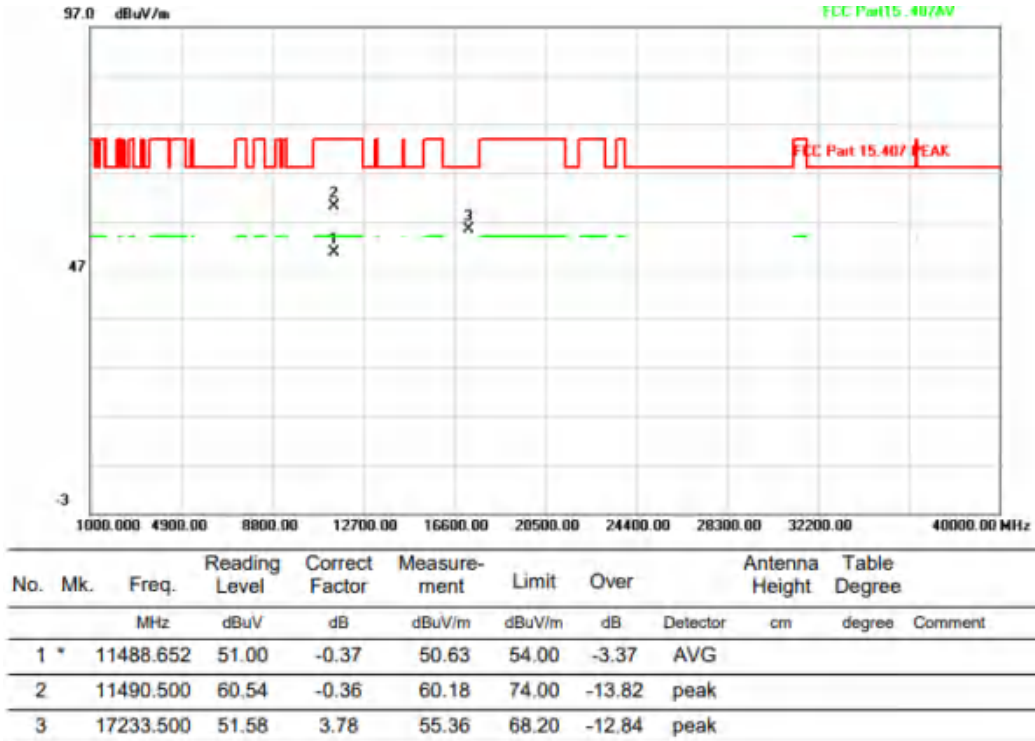
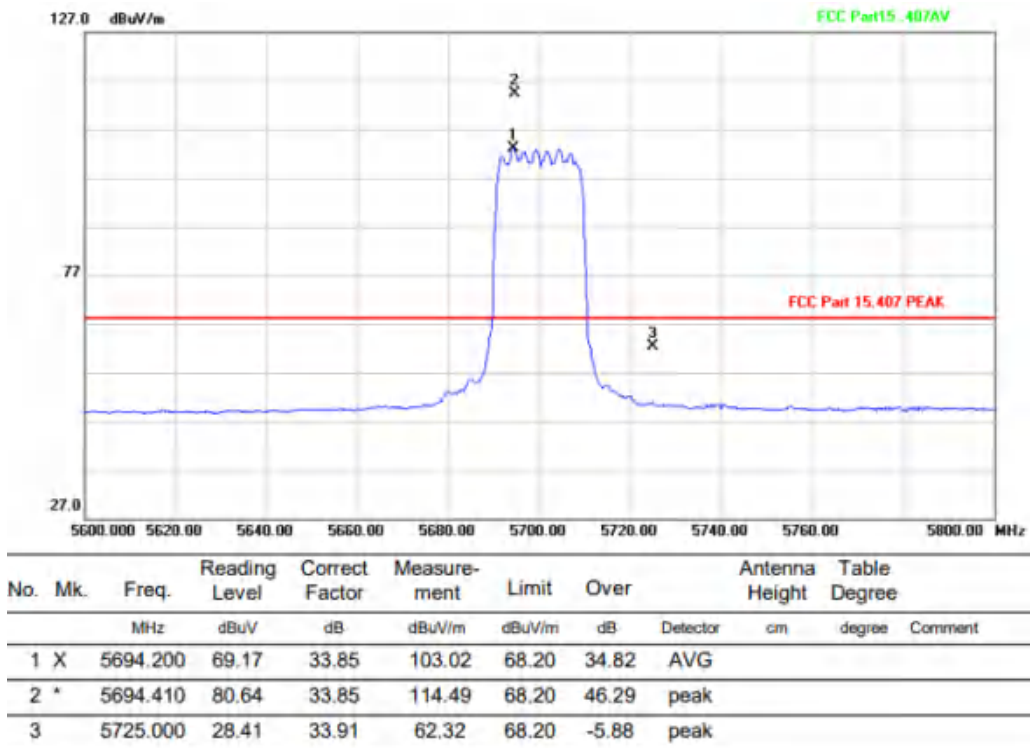
Test mode: 11N20MIMO

Test Channel:140

VERTICAL



HORIZONTAL

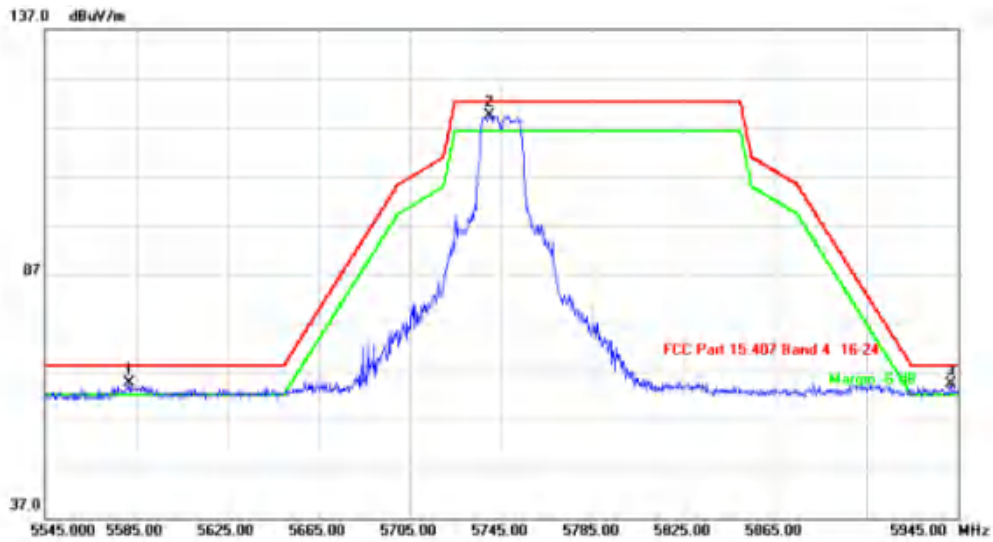


Above 1G (1GHz~40GHz)

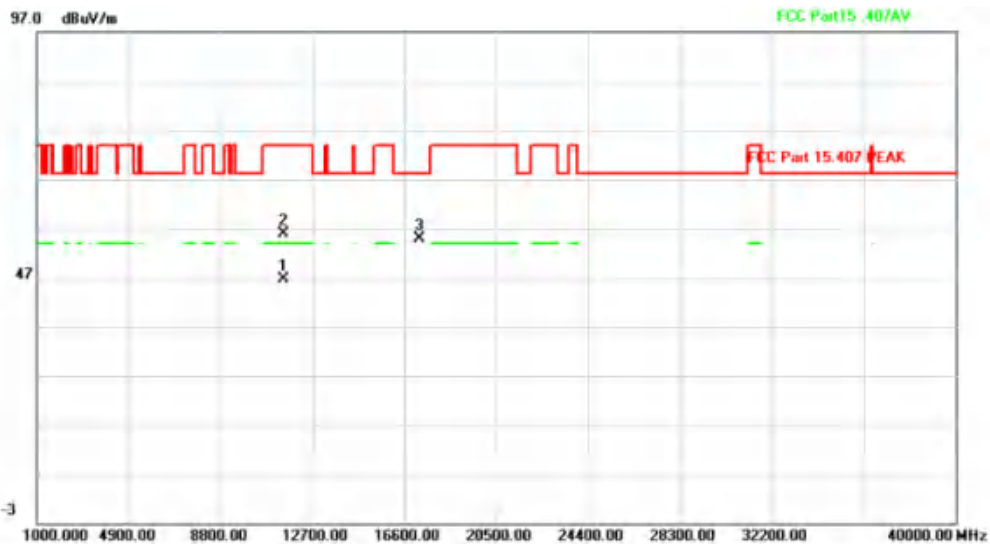
Test mode: 11N20MIMO

Test Channel:149

VERTICAL

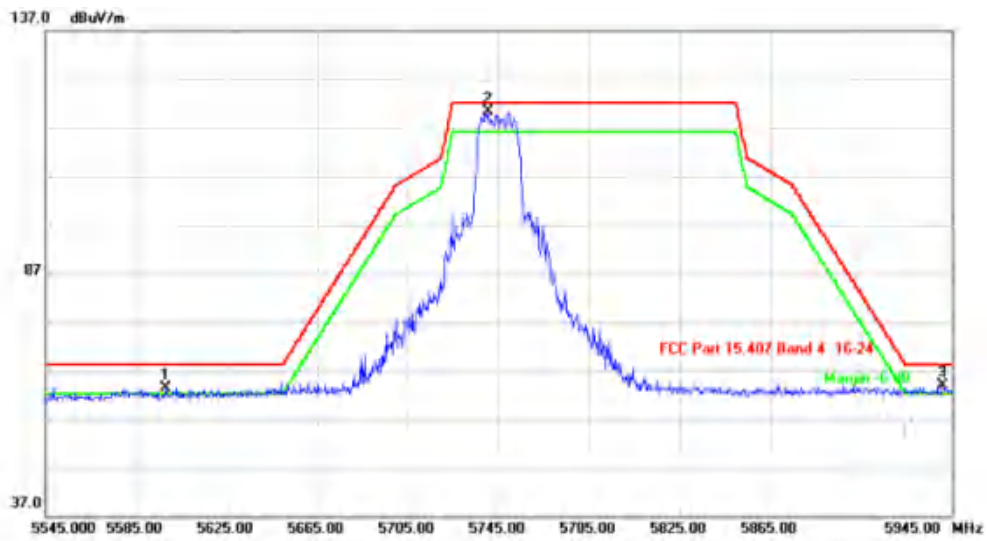


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | ! | 5582.200 | 30.96 | 33.65 | 64.61 | 68.20 | -3.59 | peak | | |
| 2 | * | 5739.800 | 85.49 | 33.93 | 119.42 | 122.20 | -2.78 | peak | | |
| 3 | ! | 5941.800 | 30.15 | 34.30 | 64.45 | 68.20 | -3.75 | peak | | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11490.170 | 47.02 | -0.36 | 46.66 | 54.00 | -7.34 | AVG | | |
| 2 | | 11490.500 | 56.17 | -0.36 | 55.81 | 74.00 | -18.19 | peak | | |
| 3 | | 17233.500 | 51.03 | 3.78 | 54.81 | 68.20 | -13.39 | peak | | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | ! | 5598.200 | 29.78 | 33.68 | 63.46 | 68.20 | -4.74 | | | peak |
| 2 | * | 5740.200 | 86.41 | 33.93 | 120.34 | 122.20 | -1.86 | | | peak |
| 3 | ! | 5941.000 | 29.53 | 34.29 | 63.82 | 68.20 | -4.38 | | | peak |



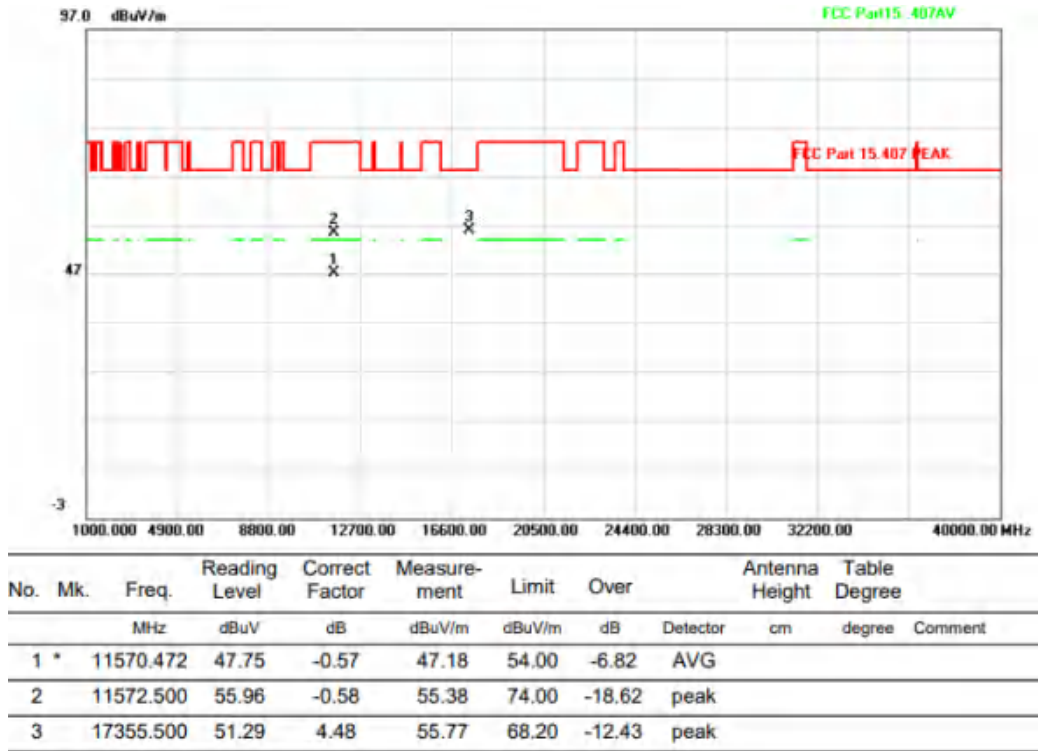
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11488.652 | 51.00 | -0.37 | 50.63 | 54.00 | -3.37 | | | AVG |
| 2 | | 11490.500 | 60.54 | -0.36 | 60.18 | 74.00 | -13.82 | | | peak |
| 3 | | 17233.500 | 51.58 | 3.78 | 55.36 | 68.20 | -12.84 | | | peak |

Above 1G (1GHz~40GHz)

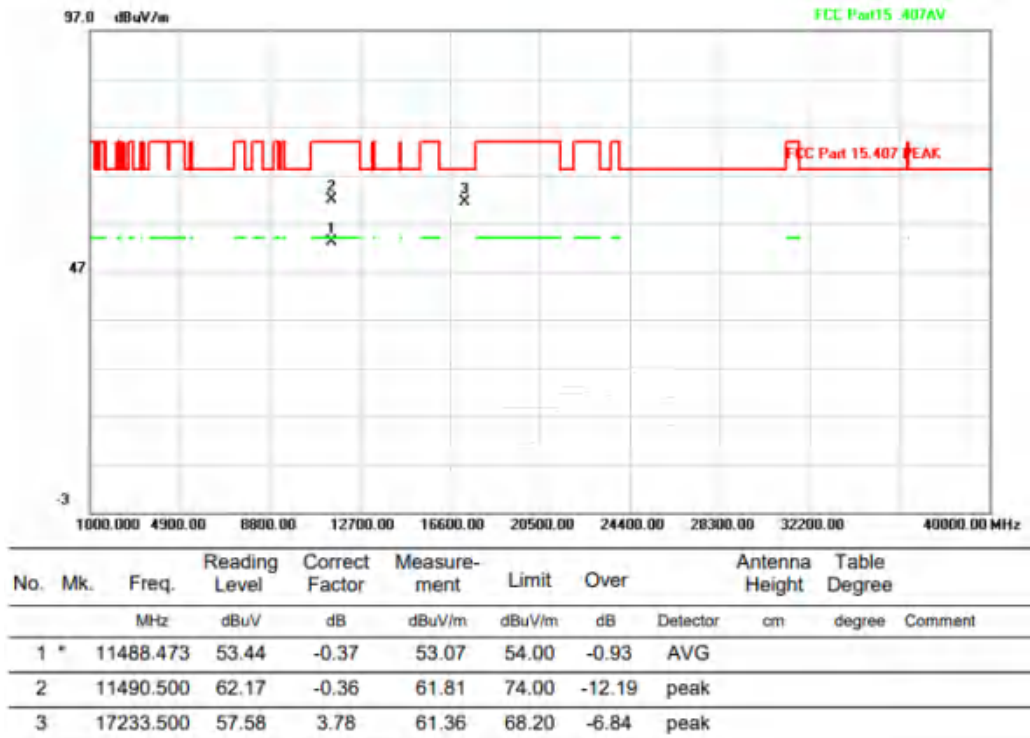
Test mode: 11N20MIMO

Test Channel:157

VERTICAL



HORIZONTAL

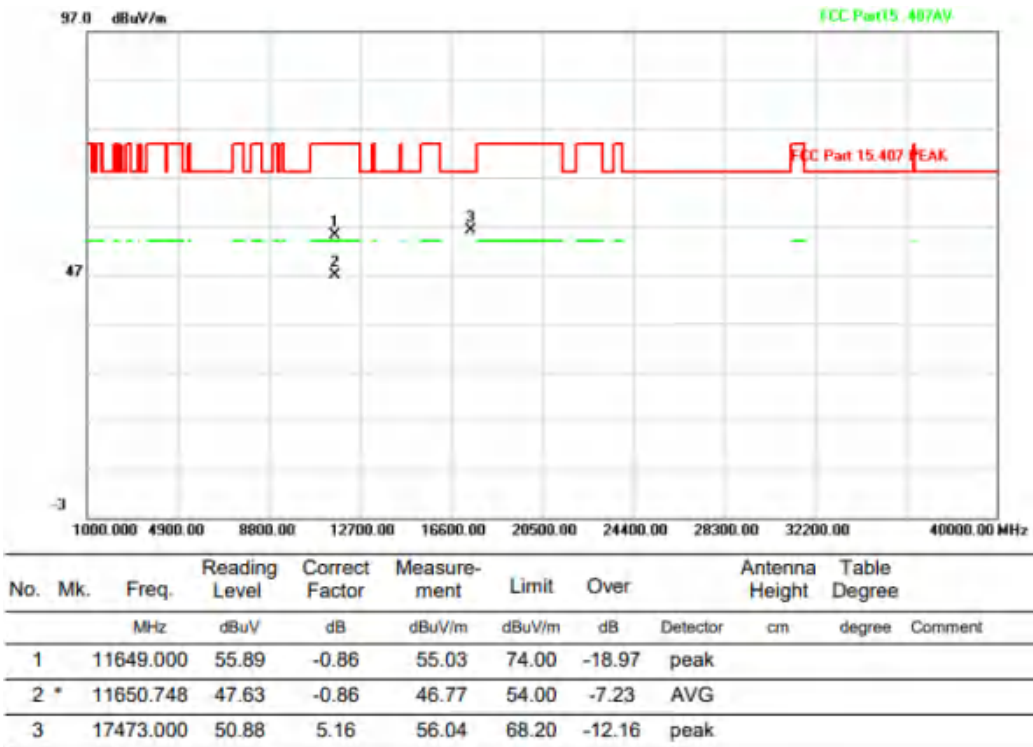
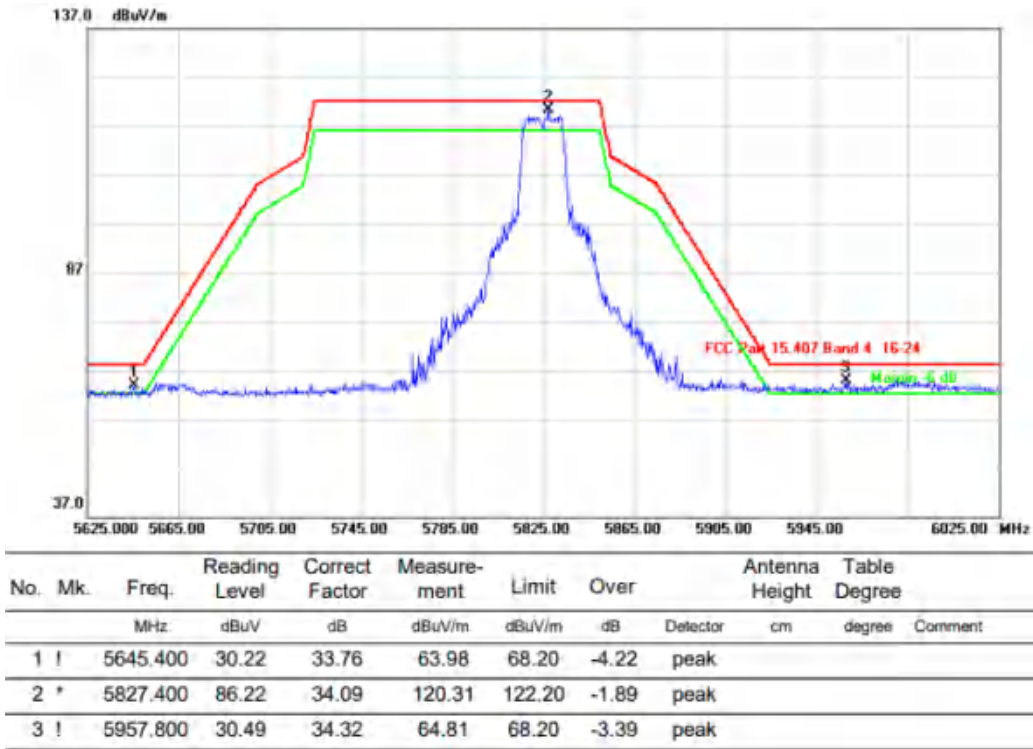


Above 1G (1GHz~40GHz)

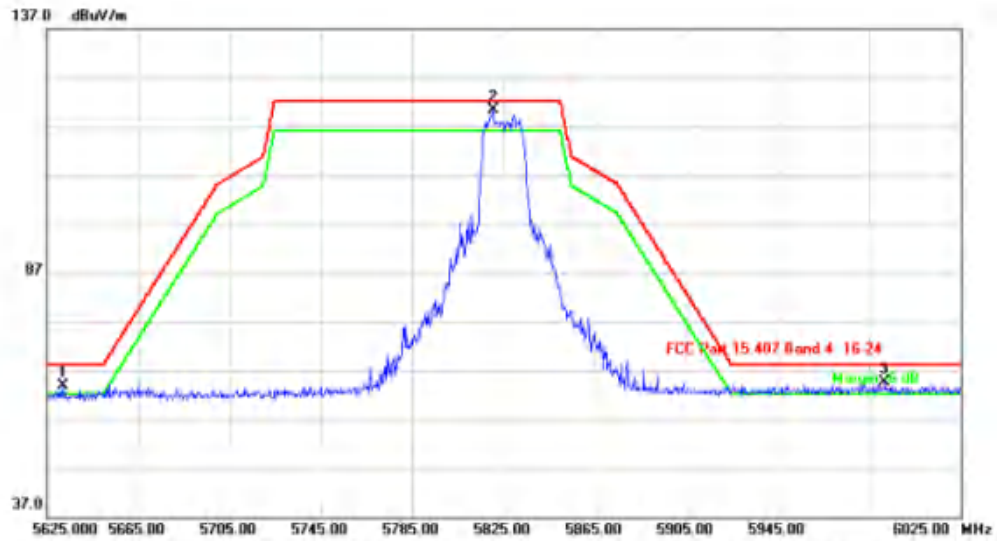
Test mode: 11N20MIMO

Test Channel:165

VERTICAL



HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | ! | 5632.200 | 30.16 | 33.74 | 63.90 | 68.20 | -4.30 | | | peak |
| 2 | * | 5820.200 | 86.41 | 34.08 | 120.49 | 122.20 | -1.71 | | | peak |
| 3 | ! | 5991.800 | 30.33 | 34.39 | 64.72 | 68.20 | -3.48 | | | peak |



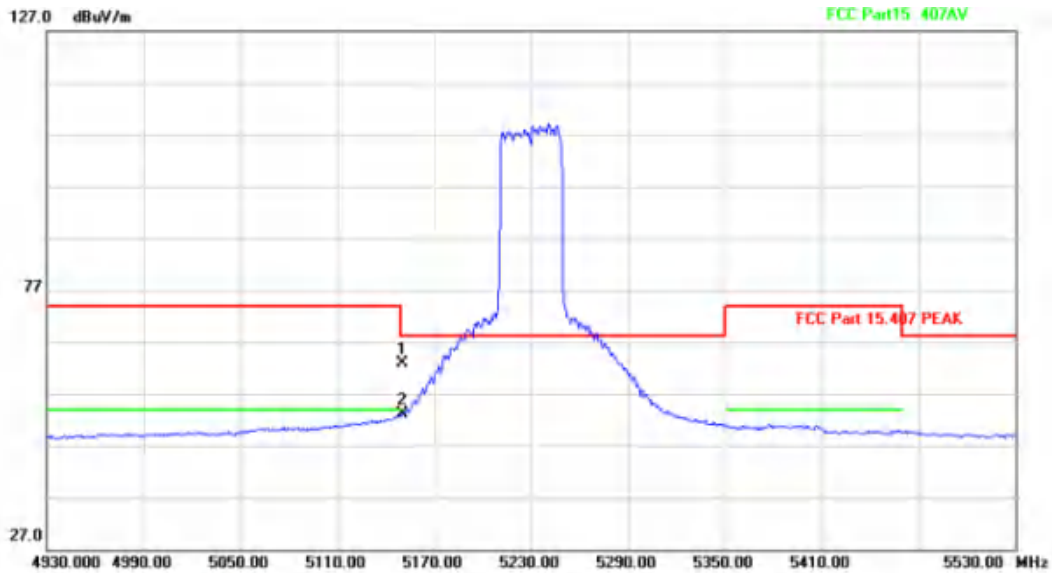
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11648.405 | 51.74 | -0.85 | 50.89 | 54.00 | -3.11 | | | AVG |
| 2 | | 11653.500 | 60.01 | -0.87 | 59.14 | 74.00 | -14.86 | | | peak |
| 3 | | 17473.000 | 49.77 | 5.16 | 54.93 | 68.20 | -13.27 | | | peak |

Above 1G (1GHz~40GHz)

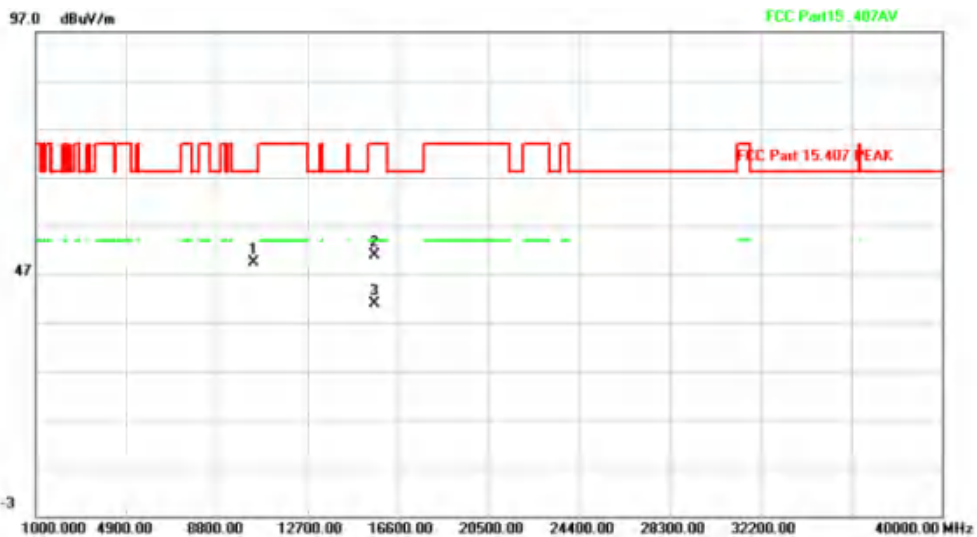
Test mode: 11N40MIMO

Test Channel:38

VERTICAL

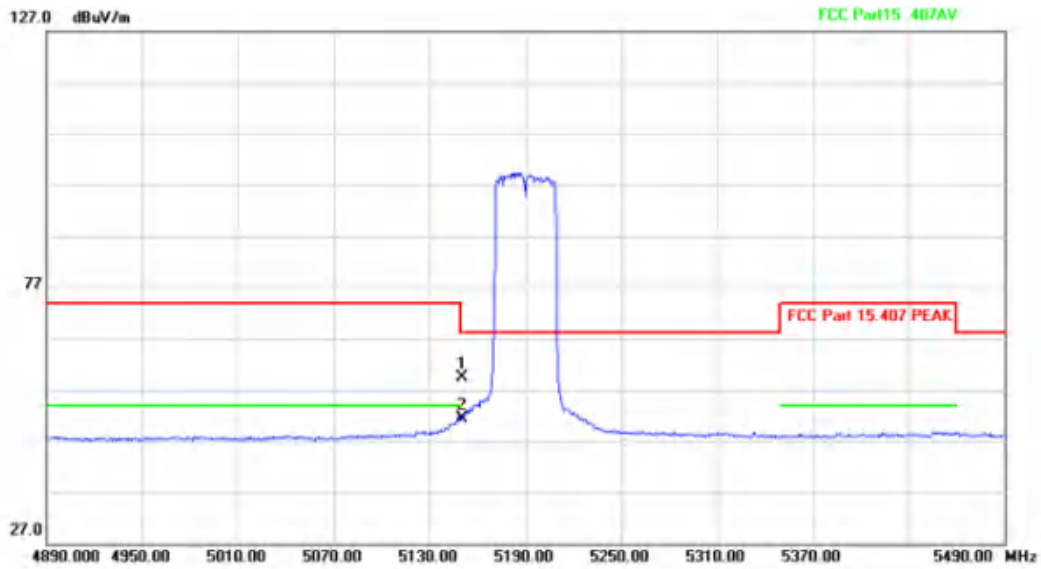


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5150.000 | 29.42 | 33.43 | 62.85 | 74.00 | -11.15 | | | peak |
| 2 * | | 5150.000 | 19.68 | 33.43 | 53.11 | 54.00 | -0.89 | | | AVG |

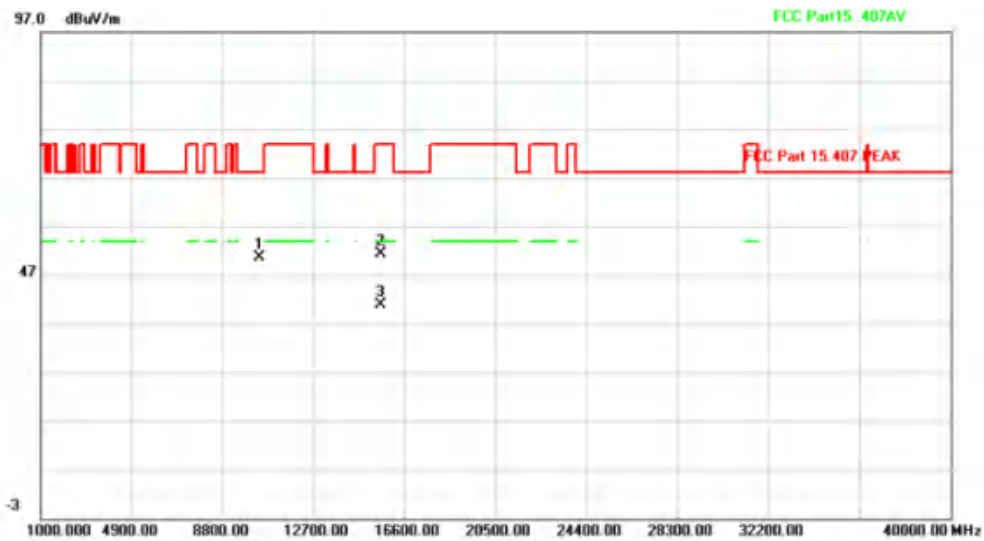


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10378.500 | 53.04 | -3.59 | 49.45 | 68.20 | -18.75 | | | peak |
| 2 | | 15568.500 | 51.01 | -0.15 | 50.86 | 74.00 | -23.14 | | | peak |
| 3 * | | 15569.951 | 40.96 | -0.15 | 40.81 | 54.00 | -13.19 | | | AVG |

HORIZONTALA



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 5150.000 | 26.05 | 33.43 | 59.48 | 74.00 | -14.52 | peak | |
| 2 * | | 5150.000 | 17.99 | 33.43 | 51.42 | 54.00 | -2.58 | AVG | |



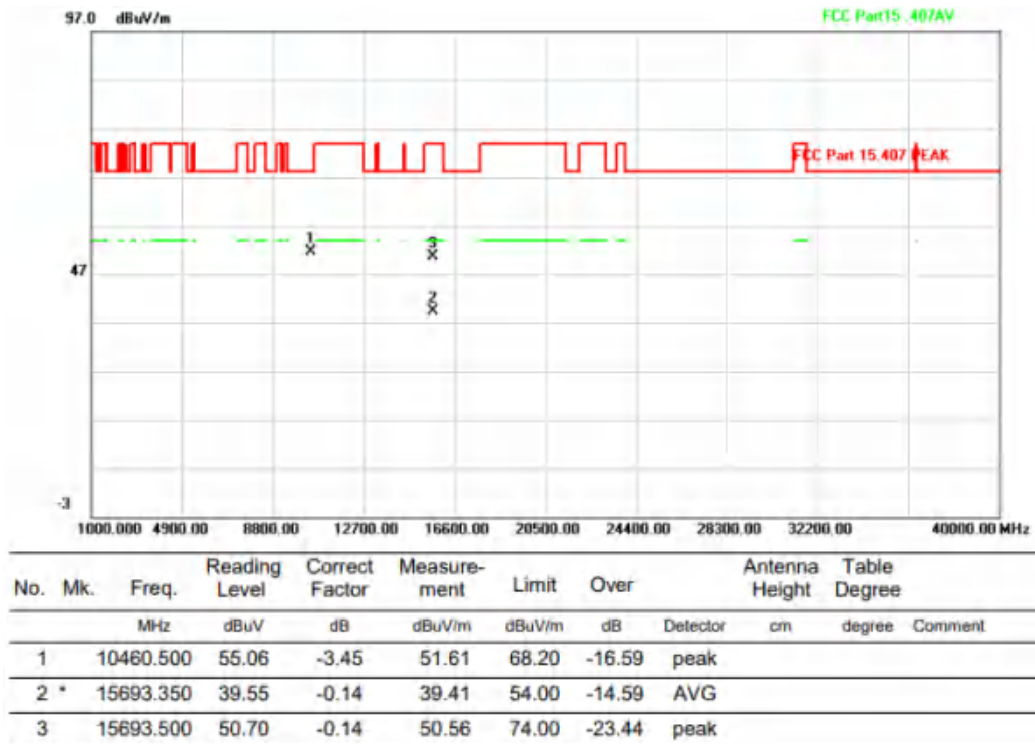
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 10380.500 | 54.21 | -3.58 | 50.63 | 68.20 | -17.57 | peak | |
| 2 | | 15570.500 | 51.52 | -0.15 | 51.37 | 74.00 | -22.63 | peak | |
| 3 * | | 15570.960 | 40.99 | -0.15 | 40.84 | 54.00 | -13.16 | AVG | |

Above 1G (1GHz~40GHz)

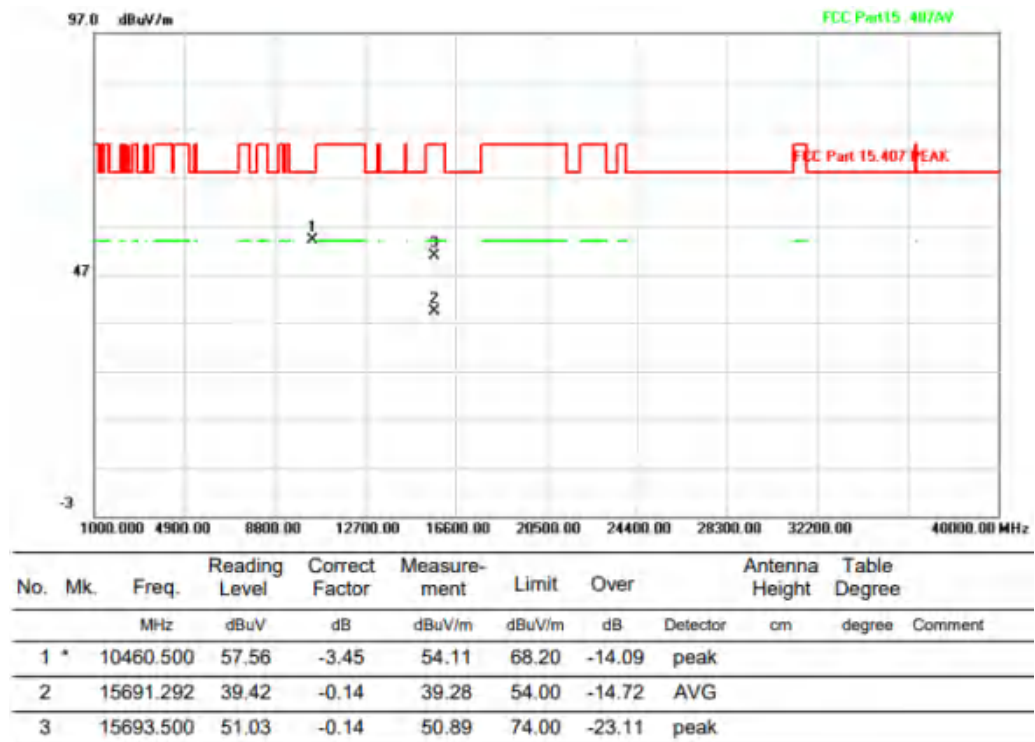
Test mode: 11N40MIMO

Test Channel:46

VERTICAL



HORIZONTAL

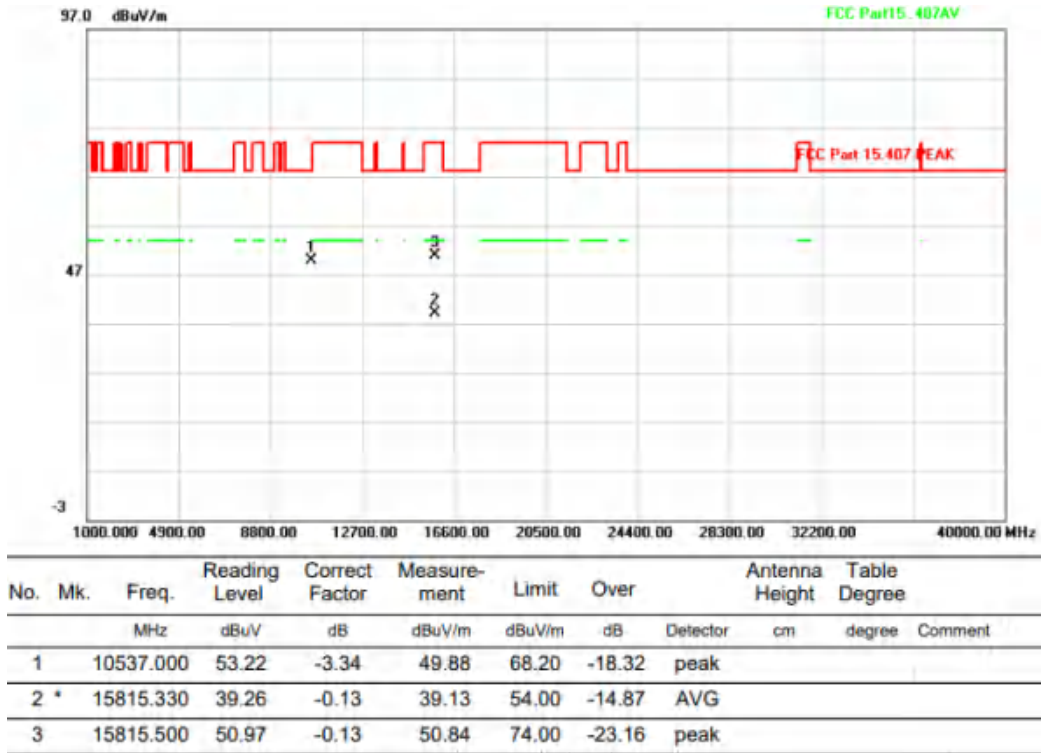


Above 1G (1GHz~40GHz)

Test mode: 11N40MIMO

Test Channel:54

VERTICAL



HORIZONTAL

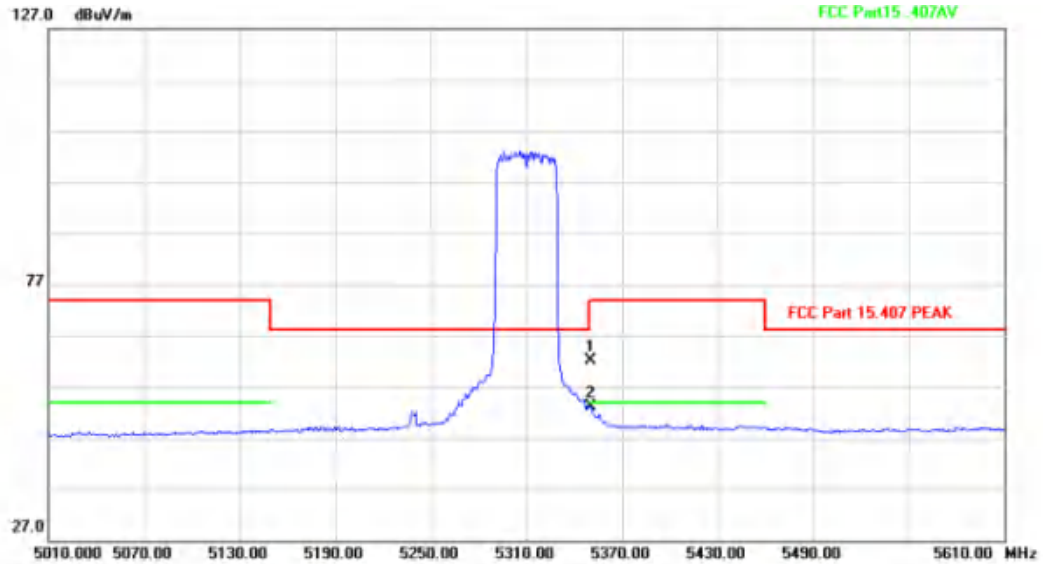


Above 1G (1GHz~40GHz)

Test mode: 11N40MIMO

Test Channel:62

VERTICAL

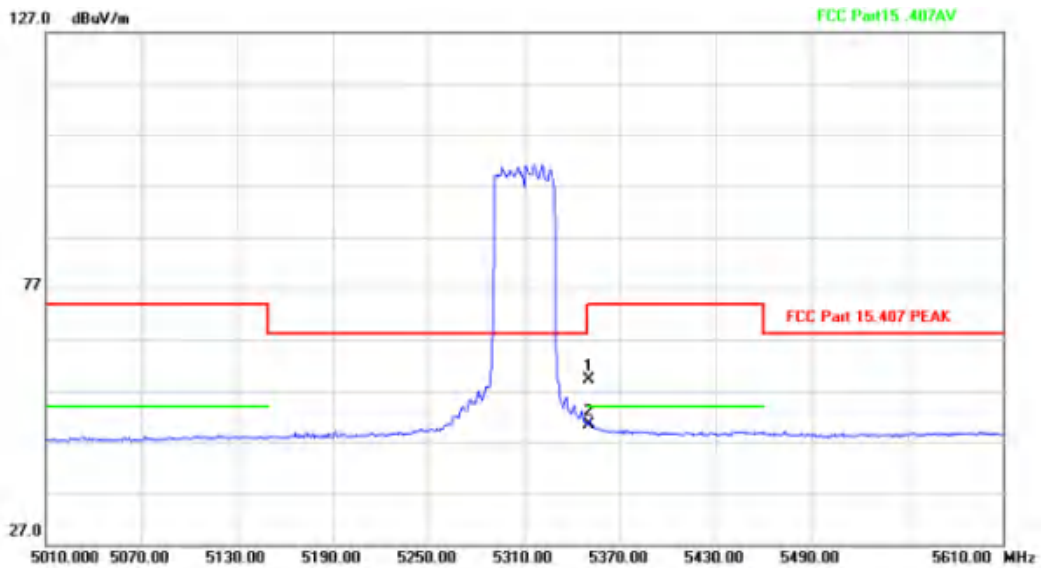


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5350.000 | 28.72 | 33.47 | 62.19 | 74.00 | -11.81 | peak | | |
| 2 | * | 5350.000 | 19.70 | 33.47 | 53.17 | 54.00 | -0.83 | AVG | | |

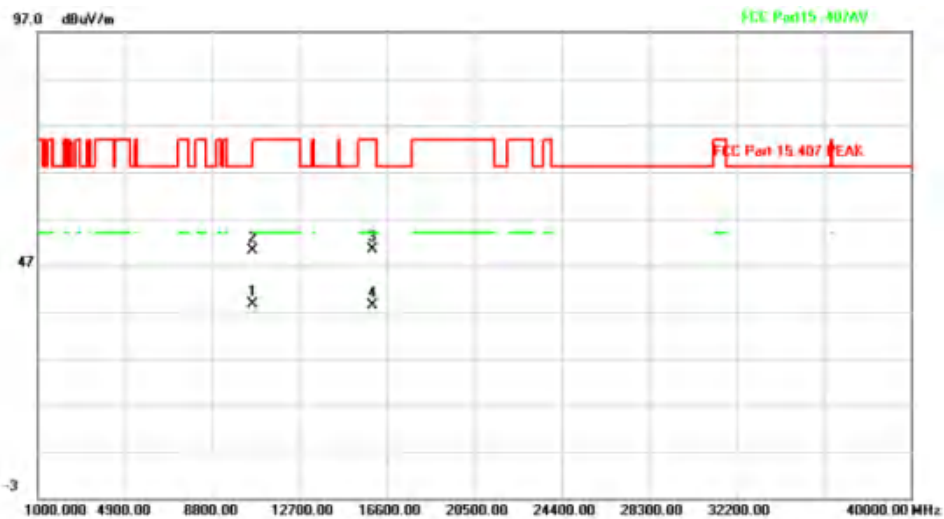


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10617.971 | 41.88 | -3.25 | 38.63 | 54.00 | -15.37 | AVG | | |
| 2 | | 10619.000 | 53.37 | -3.25 | 50.12 | 74.00 | -23.88 | peak | | |
| 3 | * | 15930.213 | 38.91 | -0.12 | 38.79 | 54.00 | -15.21 | AVG | | |
| 4 | | 15933.000 | 50.47 | -0.12 | 50.35 | 74.00 | -23.65 | peak | | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | | 5350.000 | 25.68 | 33.47 | 59.15 | 74.00 | -14.85 | | | peak |
| 2 * | | 5350.000 | 17.00 | 33.47 | 50.47 | 54.00 | -3.53 | | | AVG |



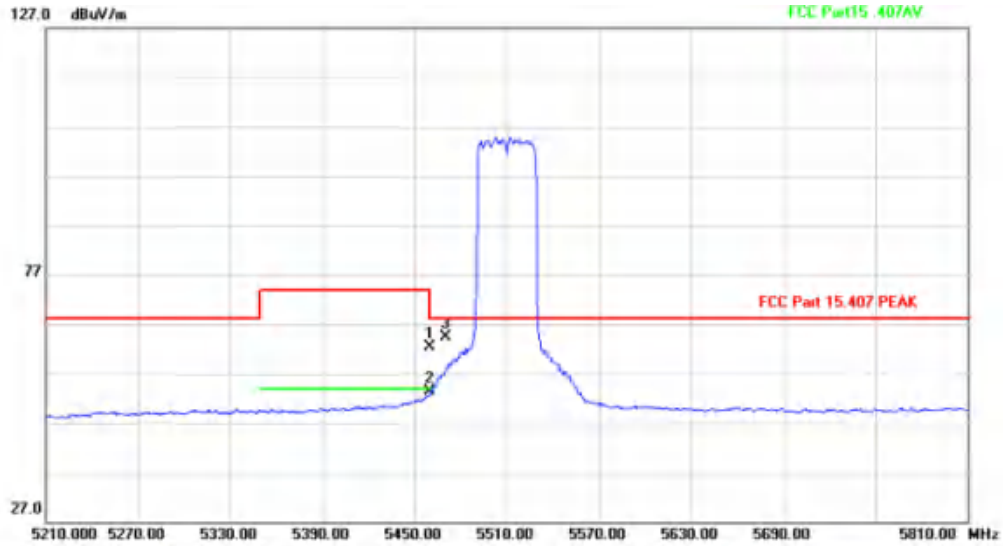
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 * | | 10617.412 | 41.89 | -3.25 | 38.64 | 54.00 | -15.36 | | | AVG |
| 2 | | 10619.000 | 53.48 | -3.25 | 50.23 | 74.00 | -23.77 | | | peak |
| 3 | | 15927.500 | 50.53 | -0.12 | 50.41 | 74.00 | -23.59 | | | peak |
| 4 | | 15929.448 | 38.51 | -0.12 | 38.39 | 54.00 | -15.61 | | | AVG |

Above 1G (1GHz~40GHz)

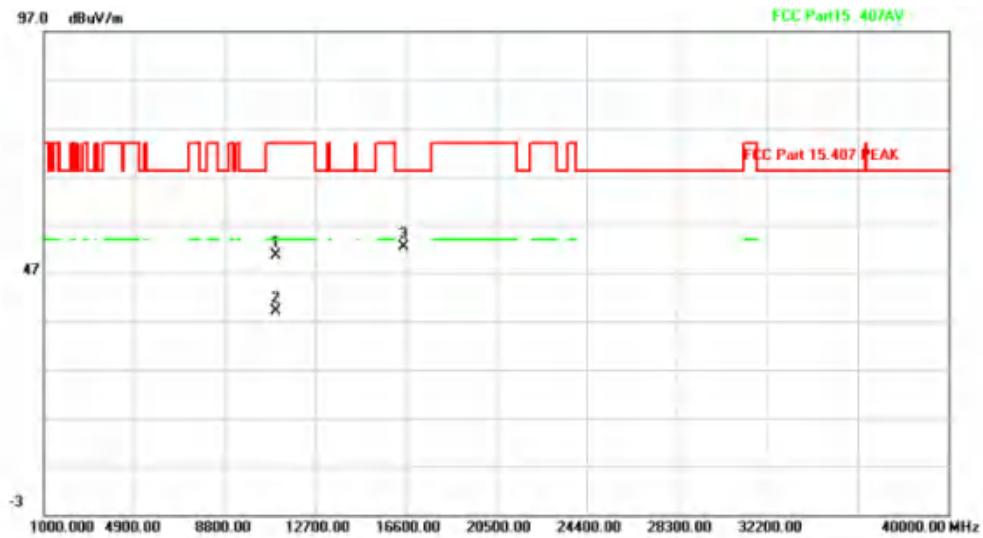
Test mode: 11N40MIMO

Test Channel:102

VERTICAL

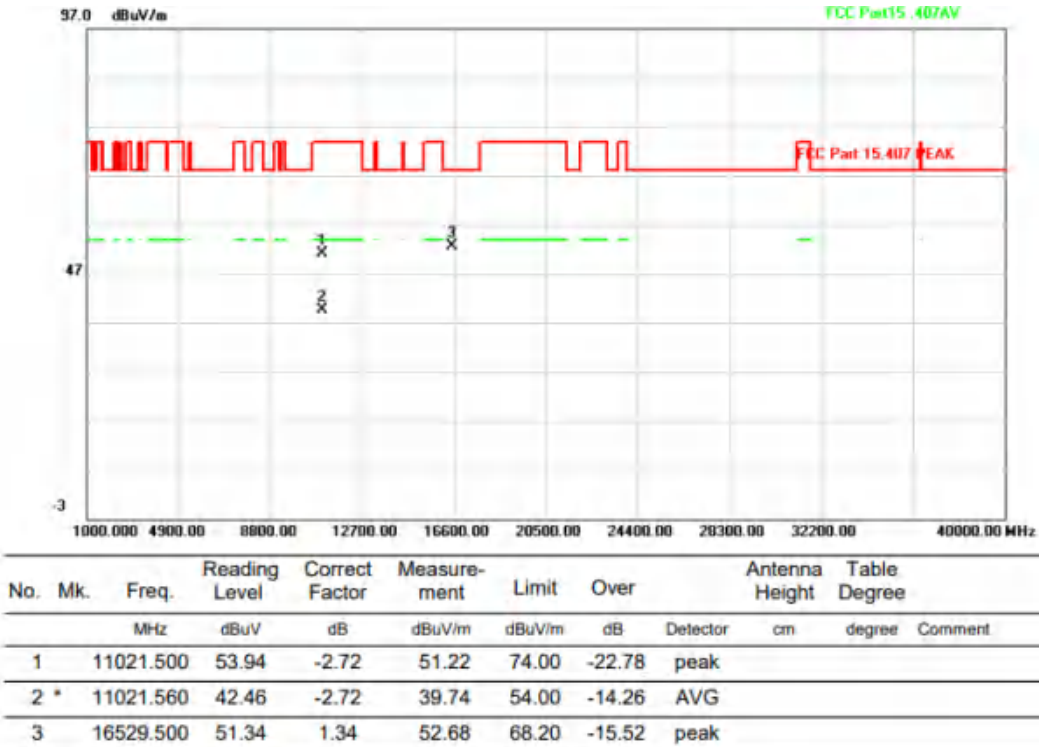
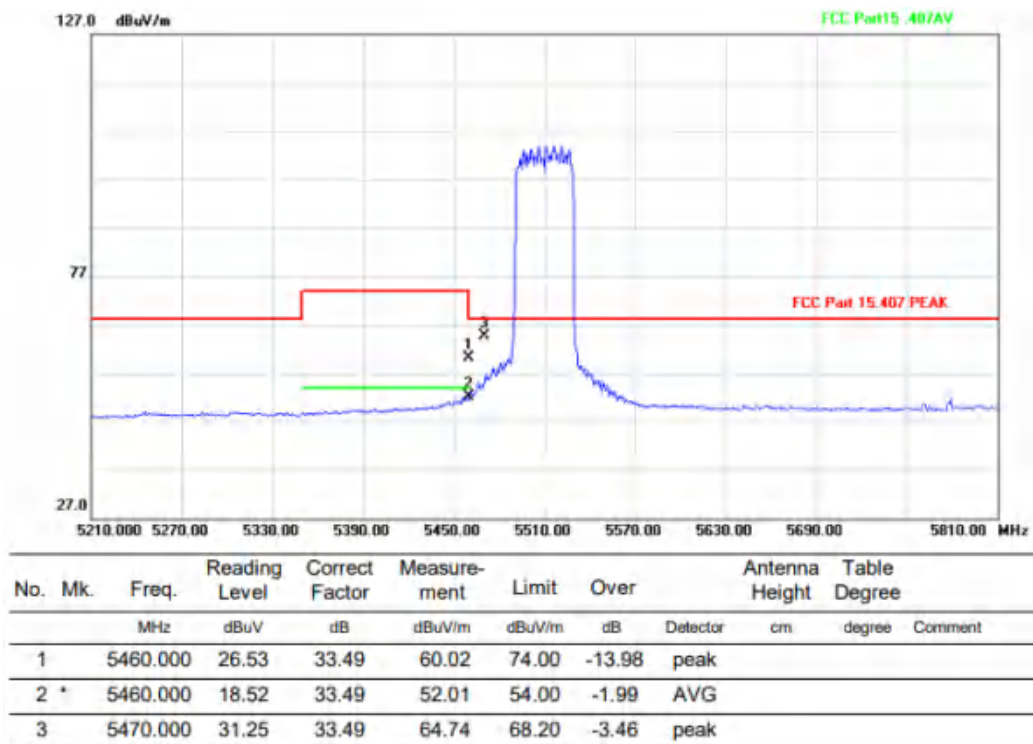


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5460.000 | 28.92 | 33.49 | 62.41 | 74.00 | -11.59 | | | peak |
| 2 | * | 5460.000 | 19.91 | 33.49 | 53.40 | 54.00 | -0.60 | | | AVG |
| 3 | | 5470.000 | 30.80 | 33.49 | 64.29 | 68.20 | -3.91 | | | peak |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11021.500 | 53.33 | -2.72 | 50.61 | 74.00 | -23.39 | | | peak |
| 2 | * | 11023.898 | 41.72 | -2.71 | 39.01 | 54.00 | -14.99 | | | AVG |
| 3 | | 16529.500 | 51.02 | 1.34 | 52.36 | 68.20 | -15.84 | | | peak |

HORIZONTALA

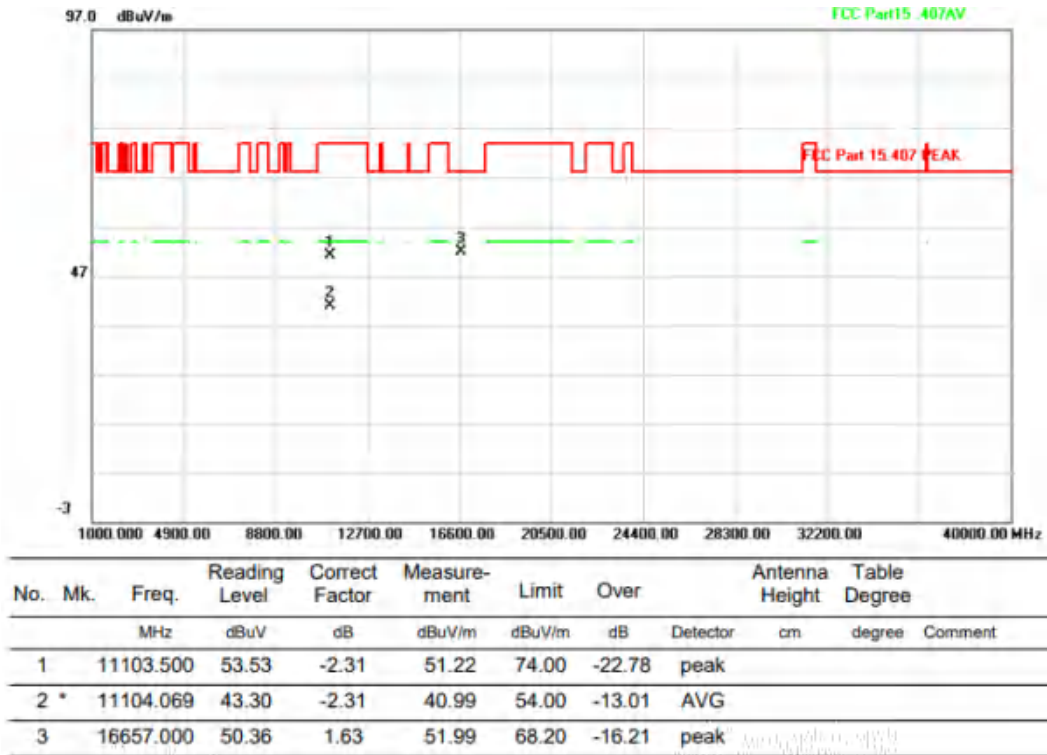


Above 1G (1GHz~40GHz)

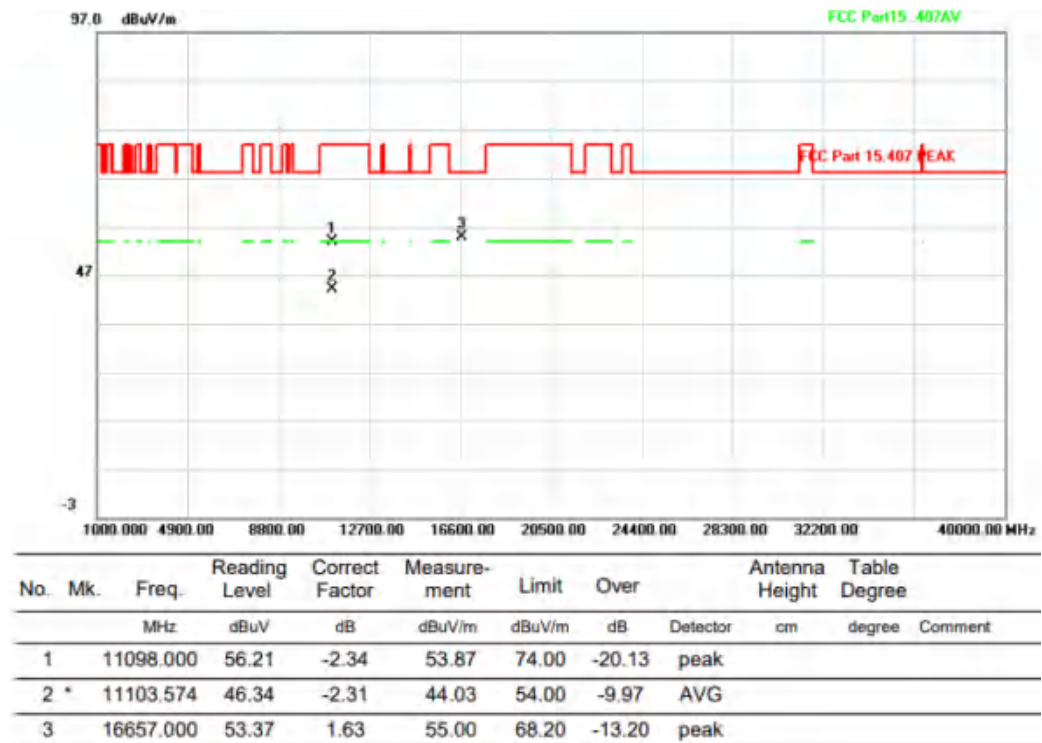
Test mode: 11N40MIMO

Test Channel:110

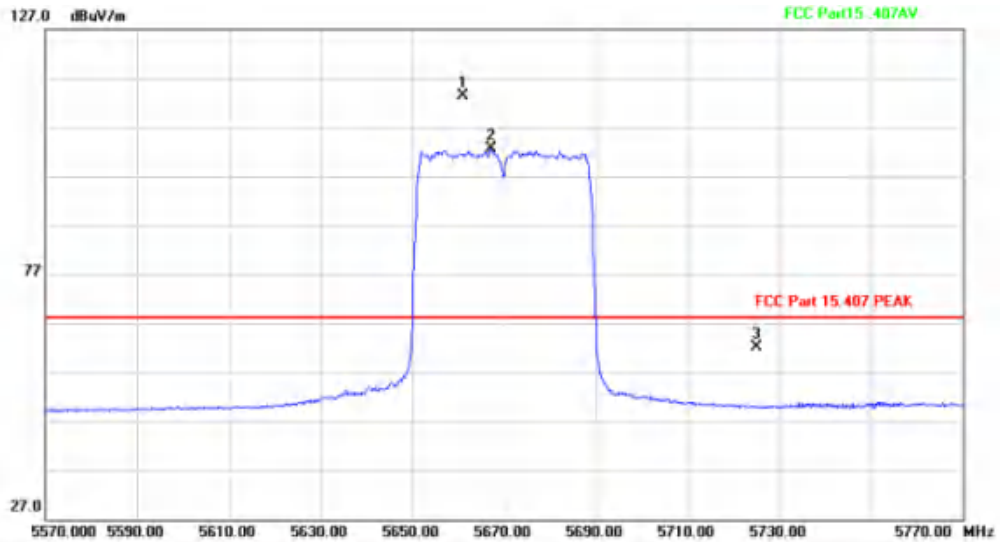
VERTICAL



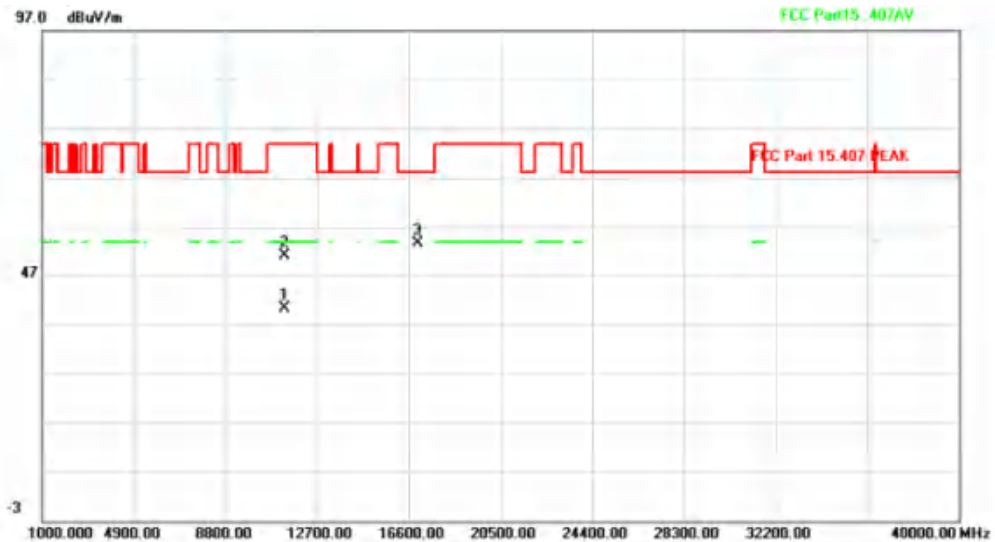
HORIZONTAL



VERTICAL

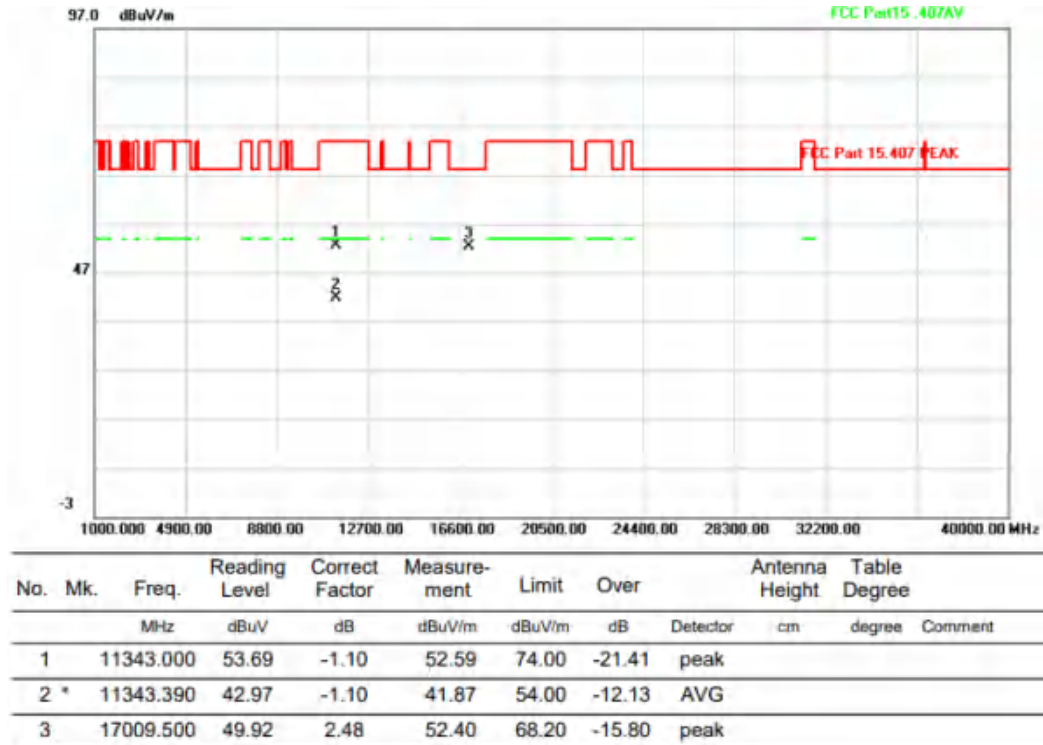
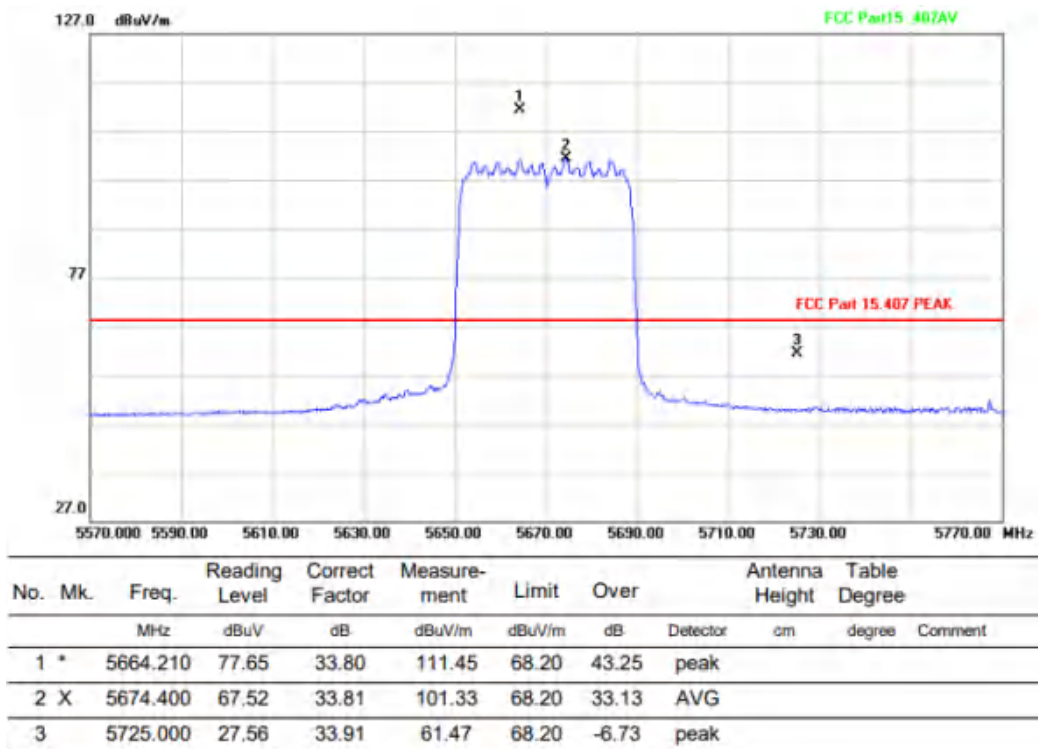


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 5661.010 | 79.64 | 33.79 | 113.43 | 68.20 | 45.23 | | | peak |
| 2 | X | 5667.200 | 68.86 | 33.80 | 102.66 | 68.20 | 34.46 | | | AVG |
| 3 | | 5725.000 | 28.29 | 33.91 | 62.20 | 68.20 | -6.00 | | | peak |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11341.501 | 41.37 | -1.11 | 40.26 | 54.00 | -13.74 | | | AVG |
| 2 | | 11343.000 | 52.23 | -1.10 | 51.13 | 74.00 | -22.87 | | | peak |
| 3 | | 17009.500 | 51.09 | 2.48 | 53.57 | 68.20 | -14.63 | | | peak |

HORIZONTAL

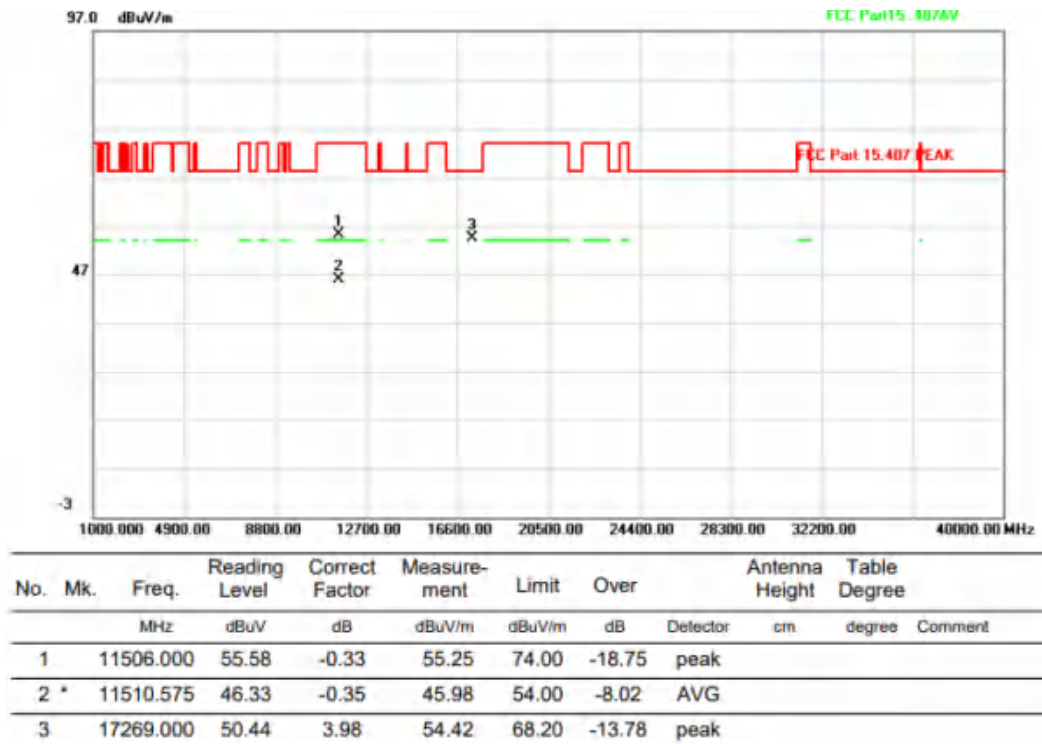
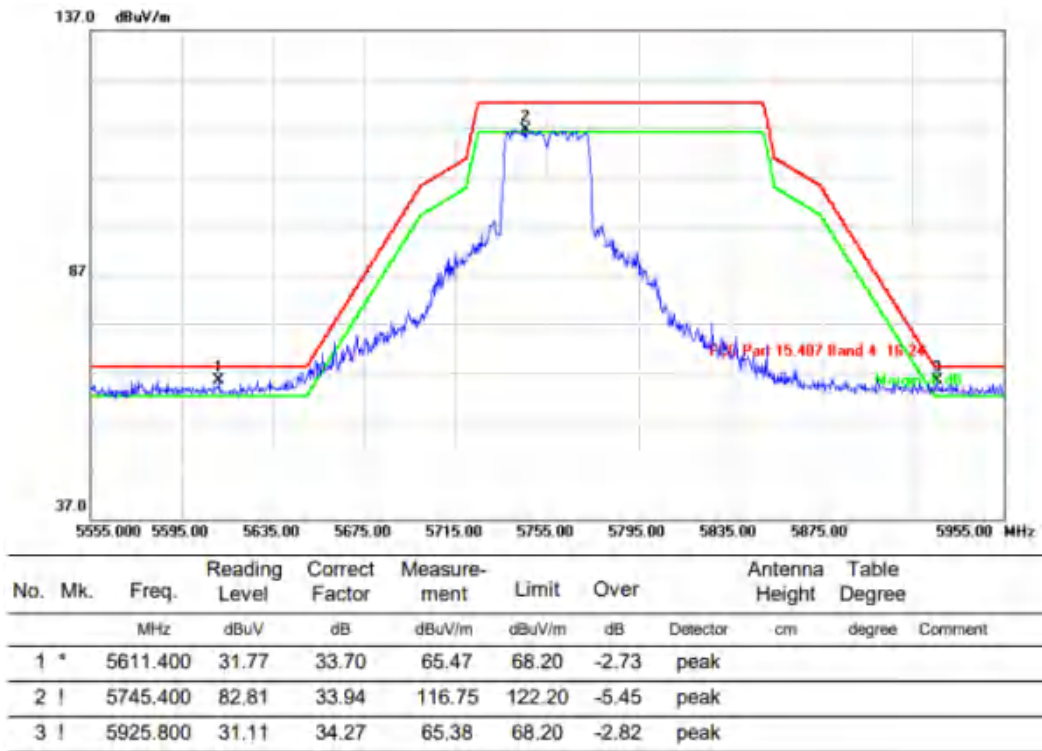


Above 1G (1GHz~40GHz)

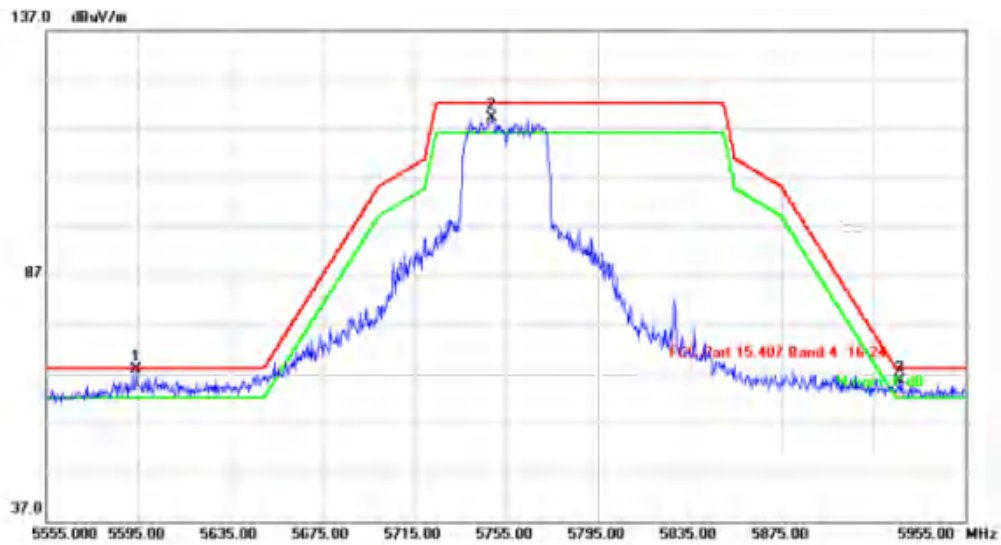
Test mode: 11N40MIMO

Test Channel:151

VERTICAL



HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 5594.200 | 34.14 | 33.67 | 67.81 | 68.20 | -0.39 | | | peak |
| 2 | ! | 5749.000 | 85.26 | 33.95 | 119.21 | 122.20 | -2.99 | | | peak |
| 3 | ! | 5926.600 | 31.38 | 34.27 | 65.65 | 68.20 | -2.55 | | | peak |



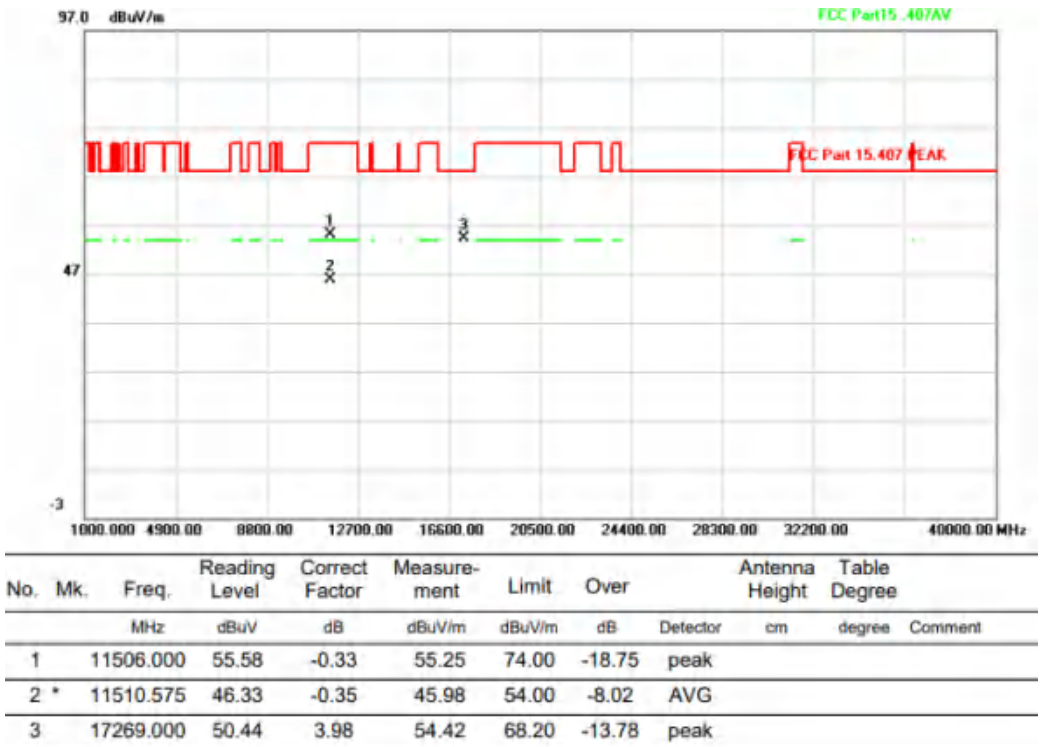
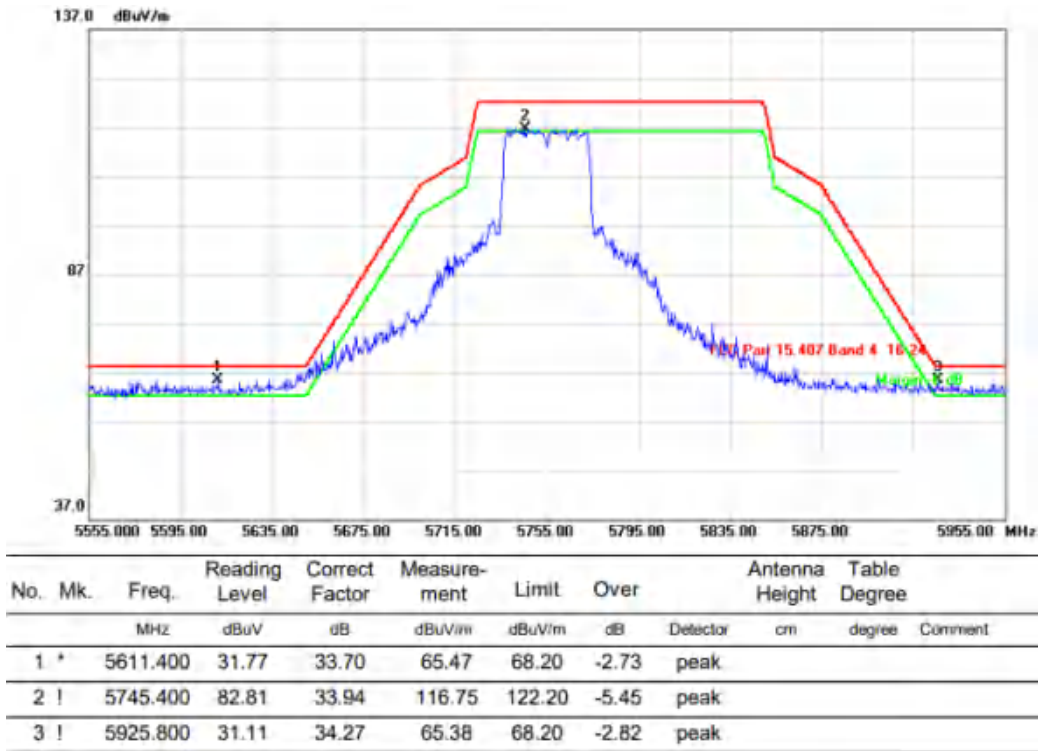
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11506.000 | 60.27 | -0.33 | 59.94 | 74.00 | -14.06 | | | peak |
| 2 | * | 11508.258 | 51.39 | -0.34 | 51.05 | 54.00 | -2.95 | | | AVG |
| 3 | | 17269.000 | 51.92 | 3.98 | 55.90 | 68.20 | -12.30 | | | peak |

Above 1G (1GHz~40GHz)

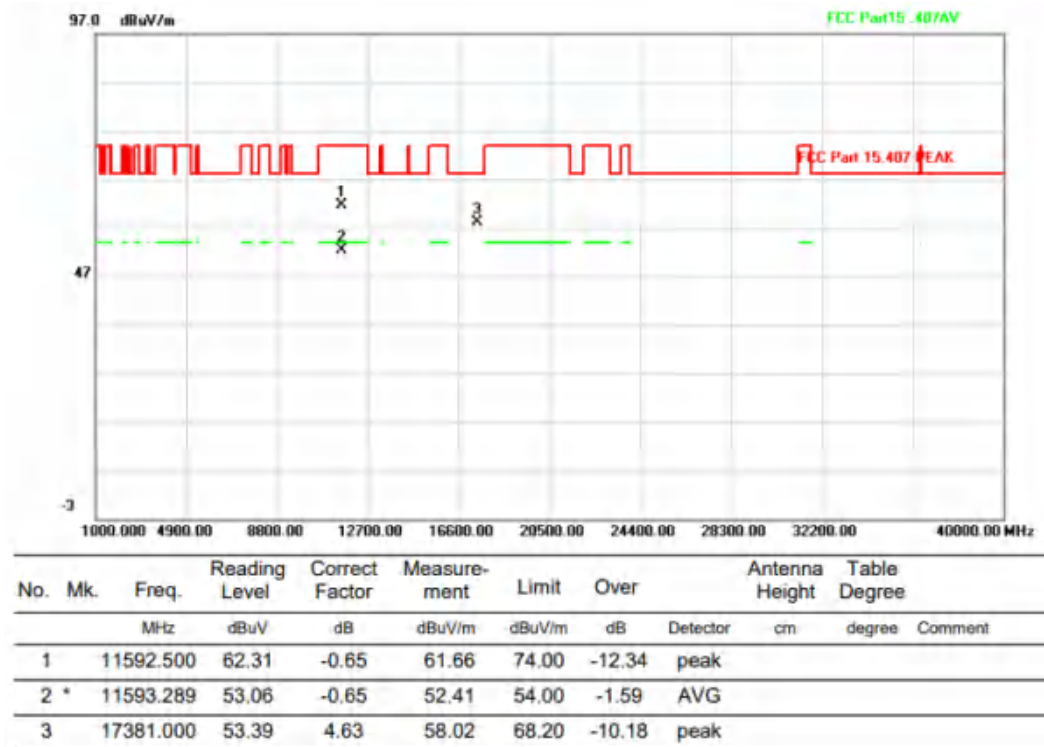
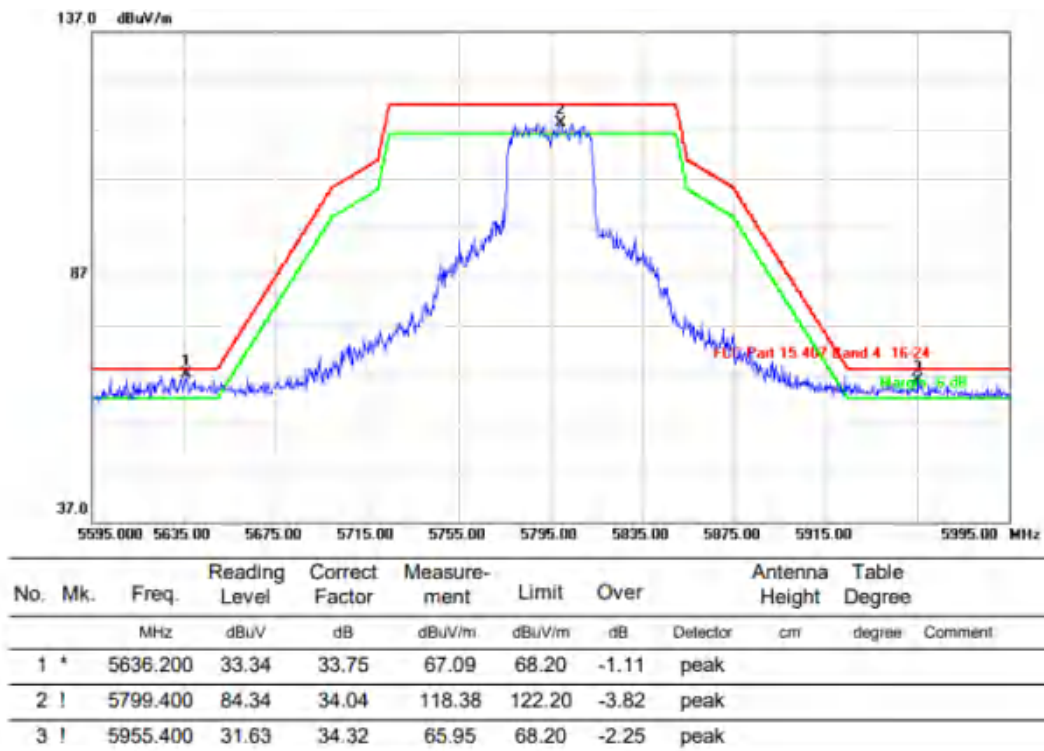
Test mode: 11N40MIMO

Test Channel:159

VERTICAL



HORIZONTAL

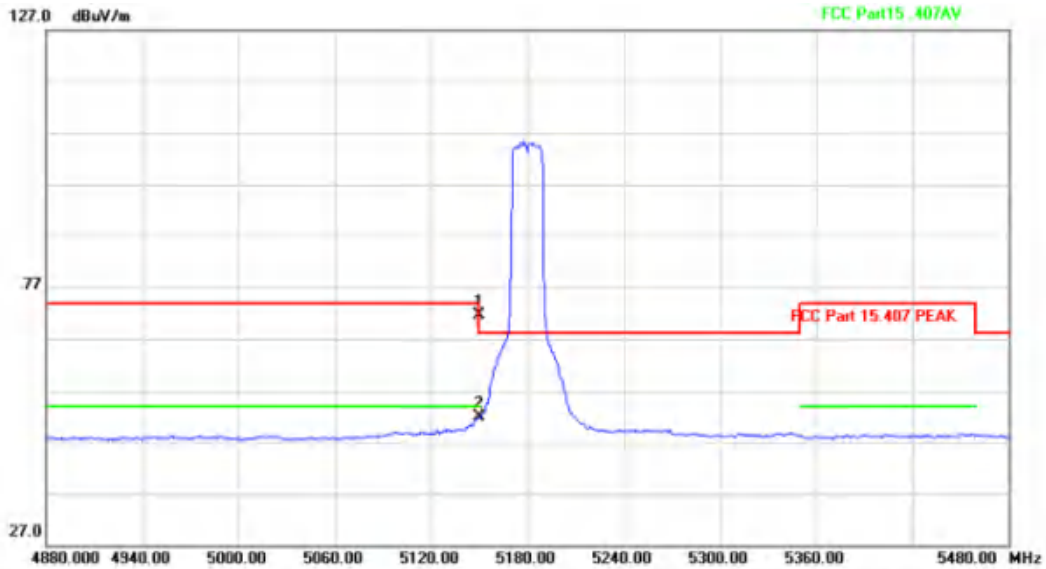


Above 1G (1GHz~40GHz)

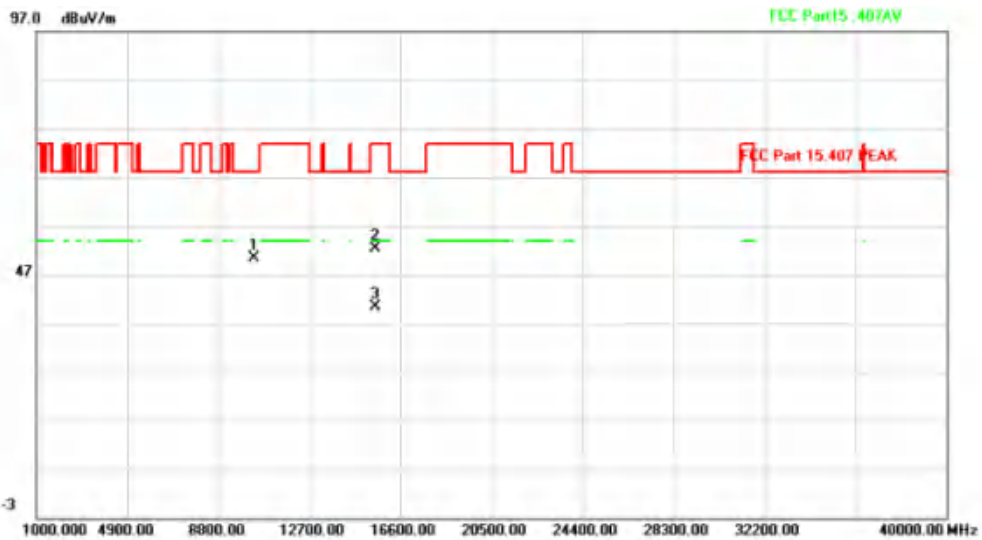
Test mode: 11AC20MIMO

Test Channel:36

VERTICAL

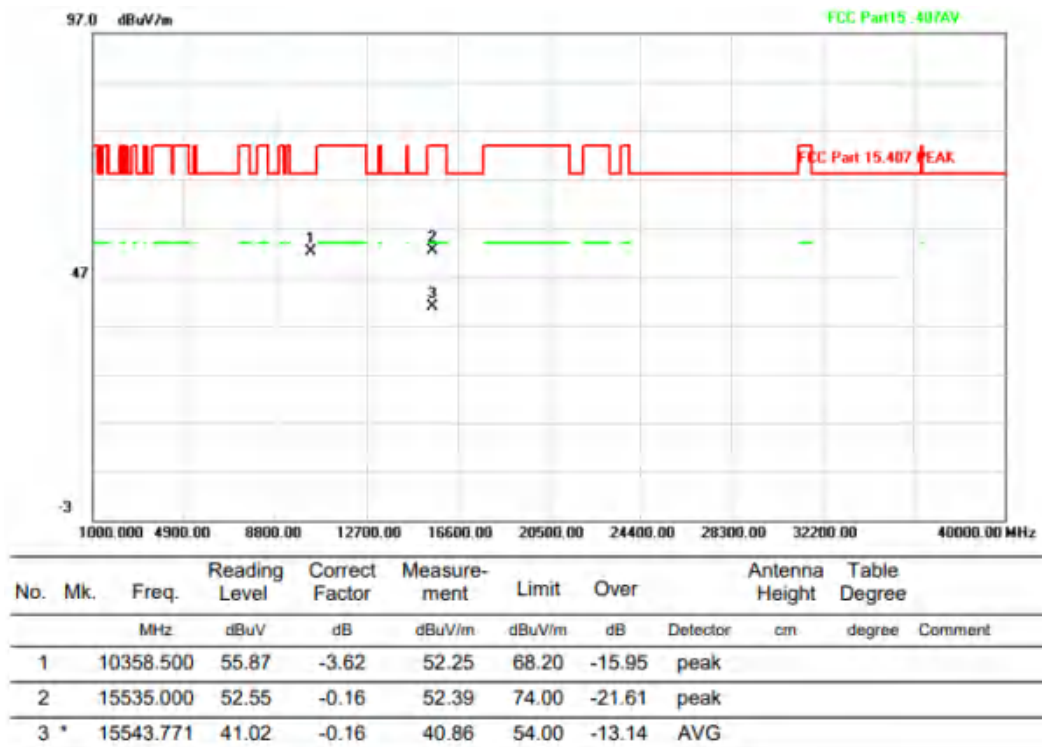
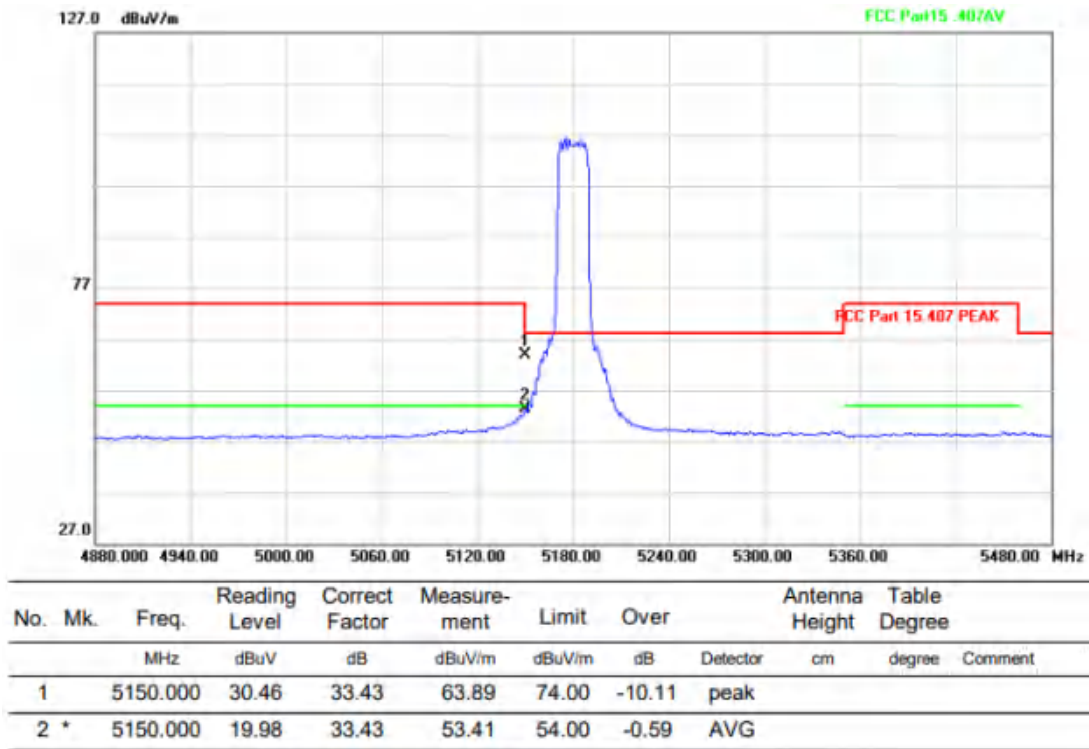


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5150.000 | 38.08 | 33.43 | 71.51 | 74.00 | -2.49 | | | peak |
| 2 * | | 5150.000 | 18.44 | 33.43 | 51.87 | 54.00 | -2.13 | | | AVG |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10358.500 | 54.10 | -3.62 | 50.48 | 68.20 | -17.72 | | | peak |
| 2 | | 15535.000 | 52.57 | -0.16 | 52.41 | 74.00 | -21.59 | | | peak |
| 3 * | | 15542.153 | 40.52 | -0.16 | 40.36 | 54.00 | -13.64 | | | AVG |

HORIZONTAL

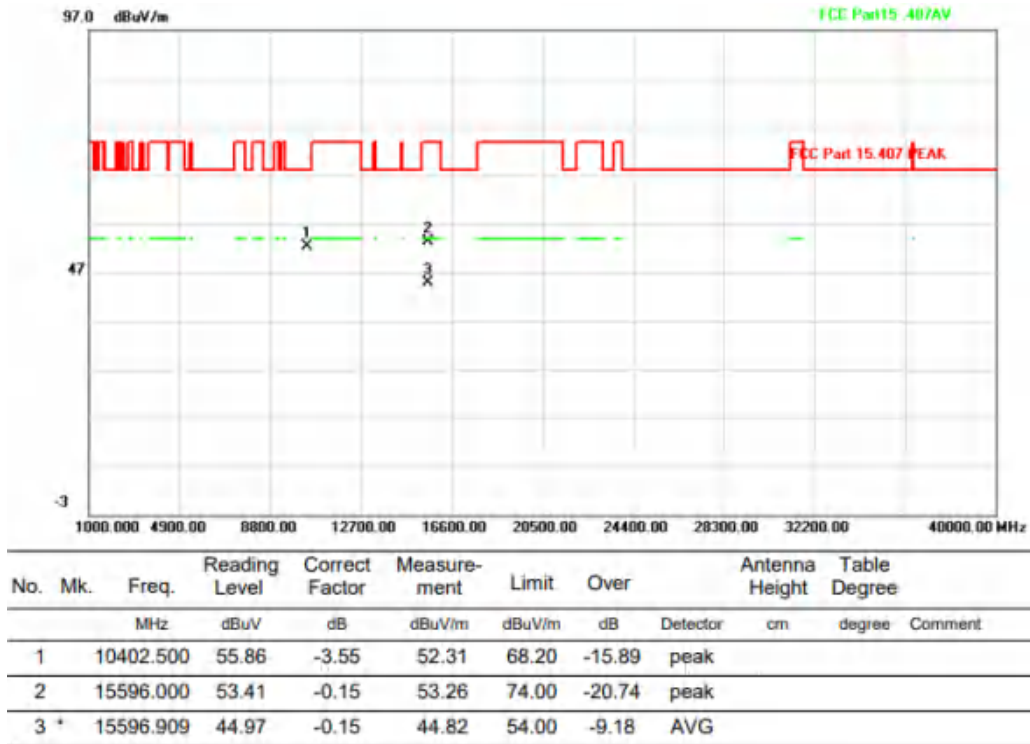


Above 1G (1GHz~40GHz)

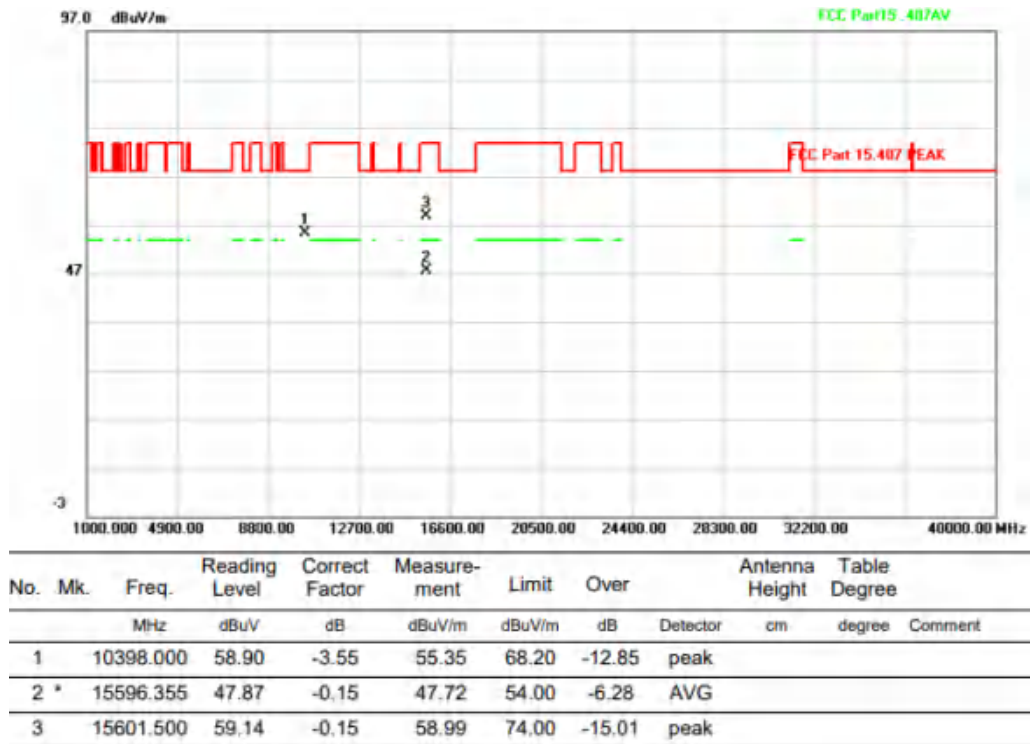
Test mode: 11AC20MIMO

Test Channel:40

VERTICAL



HORIZONTAL

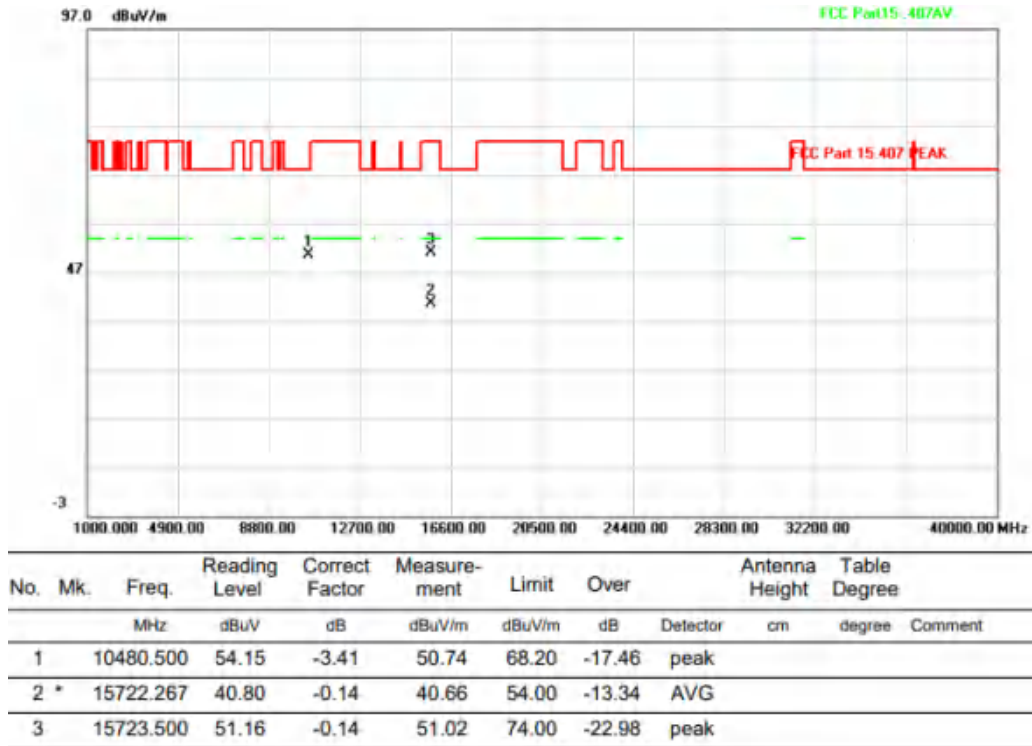


Above 1G (1GHz~40GHz)

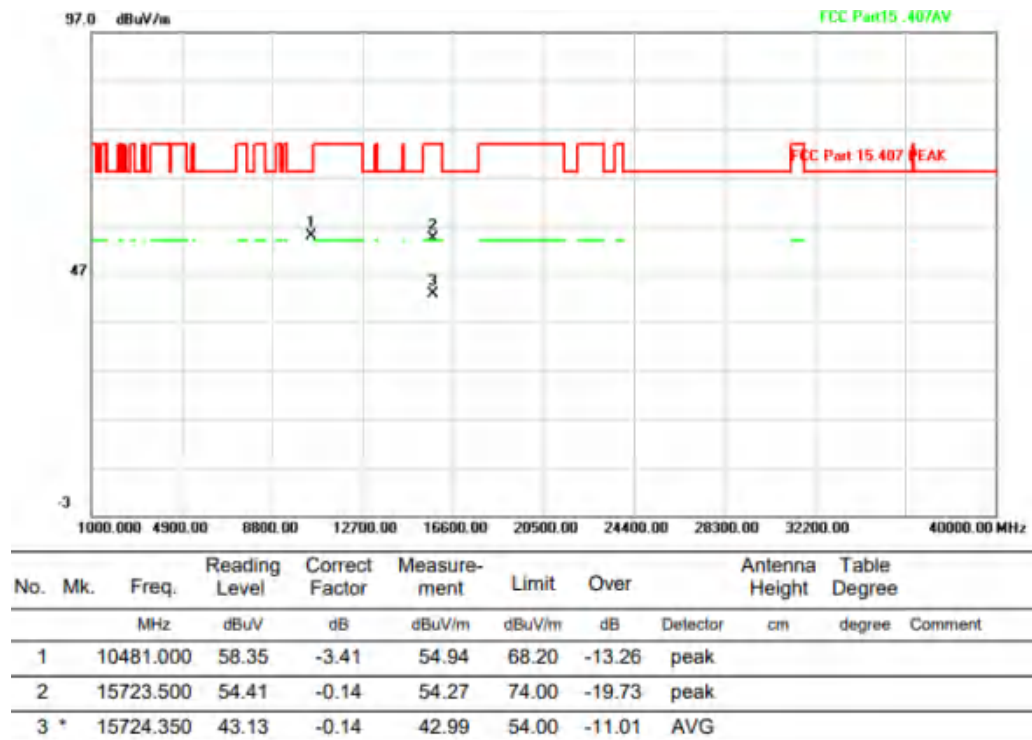
Test mode: 11AC20MIMO

Test Channel:48

VERTICAL



HORIZONTAL

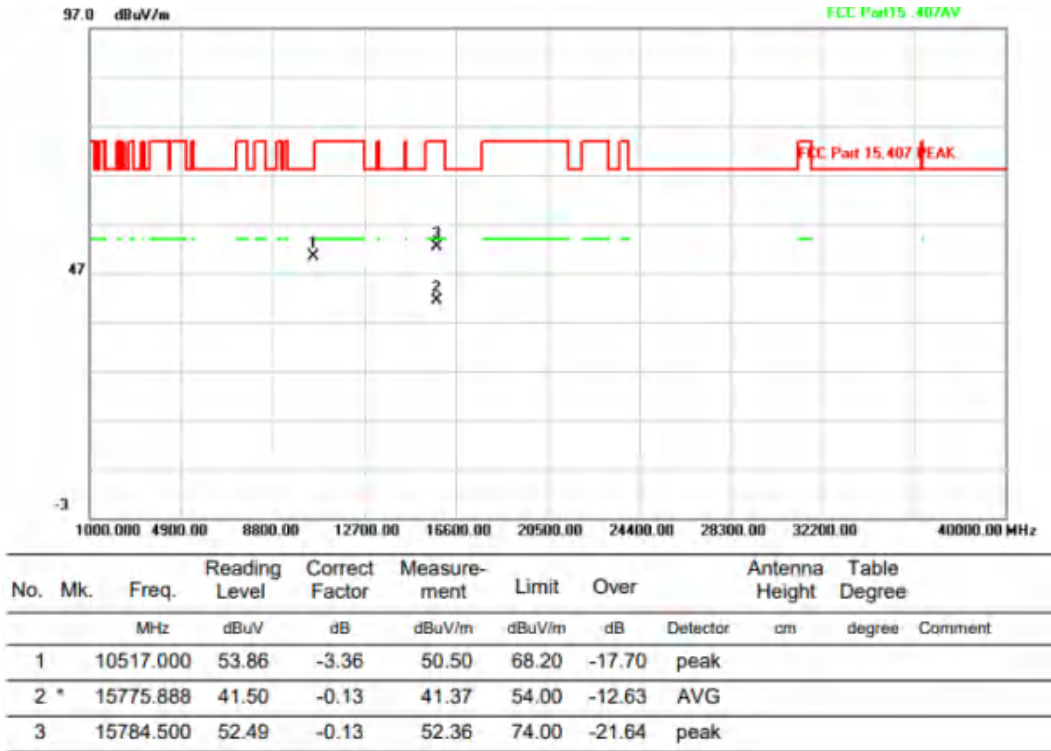


Above 1G (1GHz~40GHz)

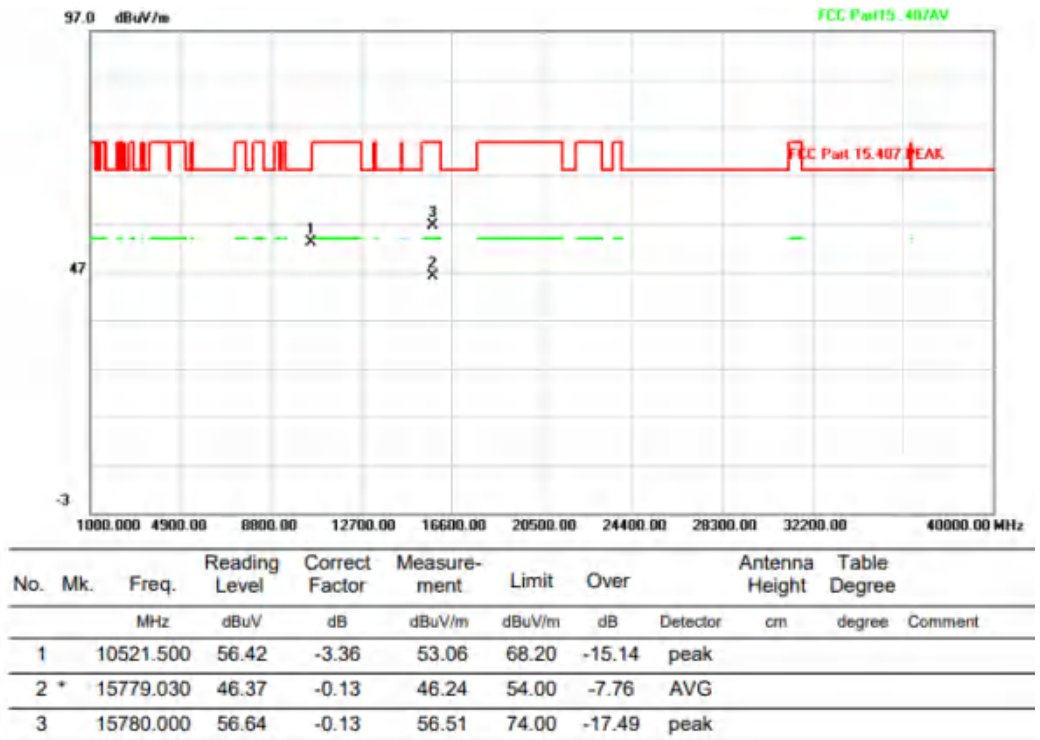
Test mode: 11AC20MIMO

Test Channel:52

VERTICAL



HORIZONTAL

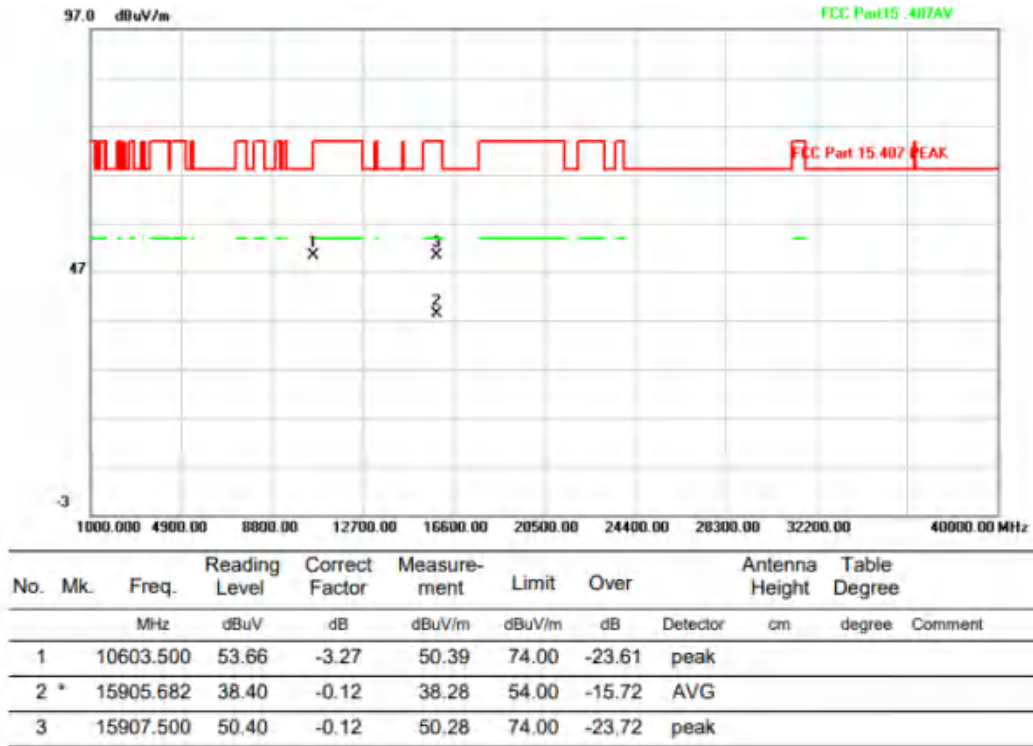


Above 1G (1GHz~40GHz)

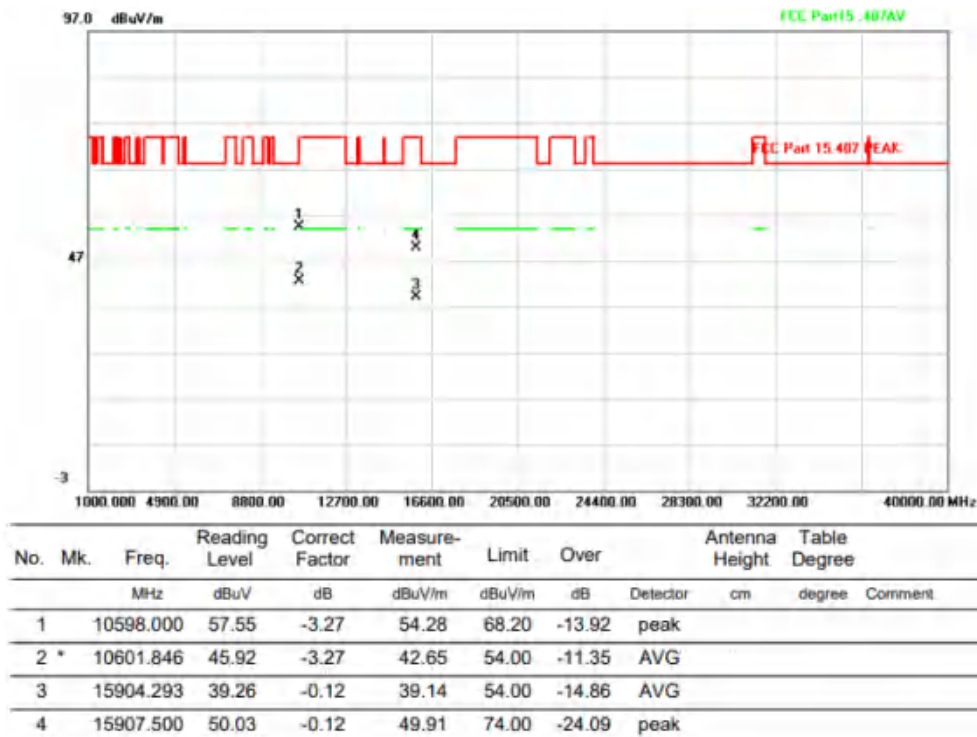
Test mode: 11AC20MIMO

Test Channel:56

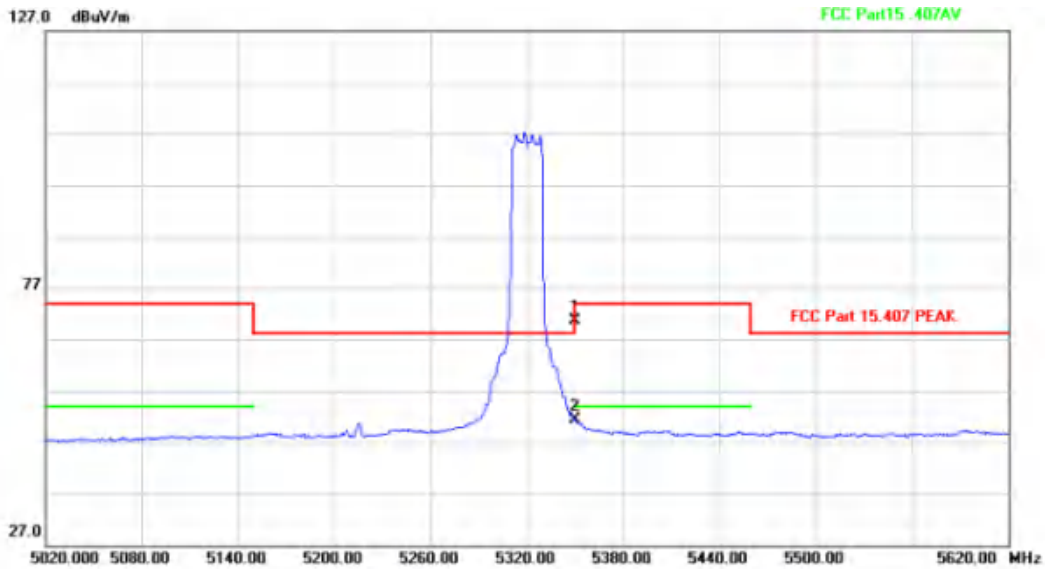
VERTICAL



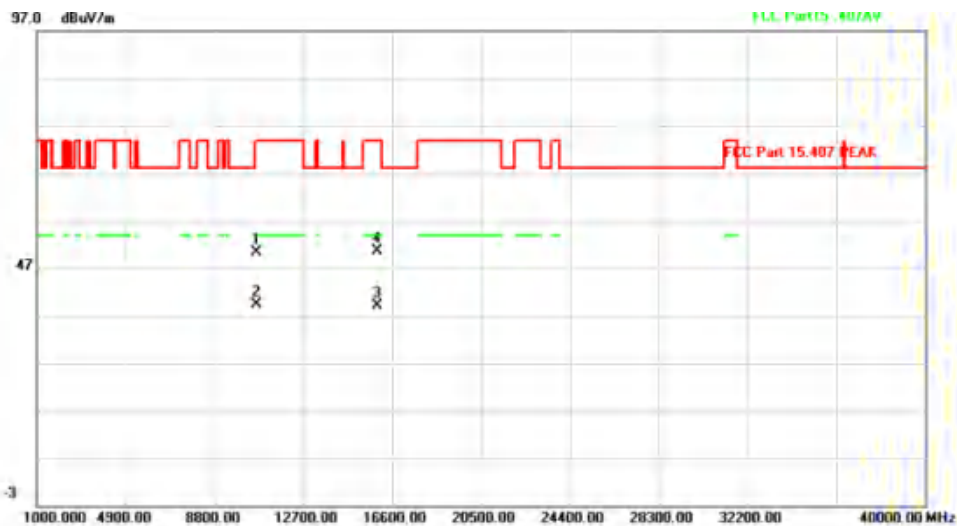
HORIZONTAL



VERTICAL

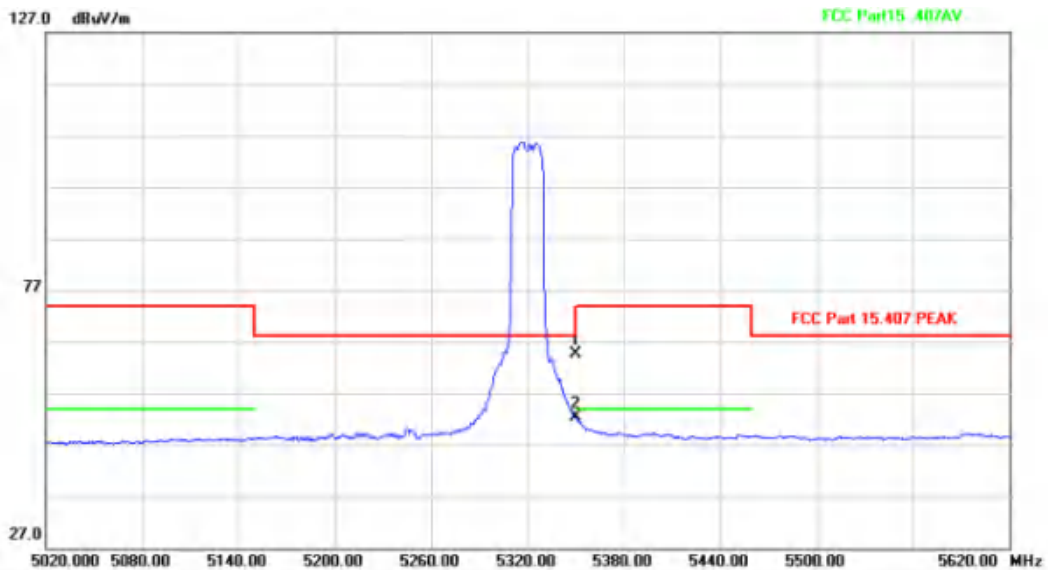


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5350.000 | 37.04 | 33.47 | 70.51 | 74.00 | -3.49 | peak | | |
| 2 | * | 5350.000 | 17.93 | 33.47 | 51.40 | 54.00 | -2.60 | AVG | | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10639.000 | 53.72 | -3.23 | 50.49 | 74.00 | -23.51 | peak | | |
| 2 | * | 10644.534 | 42.52 | -3.22 | 39.30 | 54.00 | -14.70 | AVG | | |
| 3 | | 15960.698 | 39.29 | -0.11 | 39.18 | 54.00 | -14.82 | AVG | | |
| 4 | | 15968.500 | 50.82 | -0.11 | 50.71 | 74.00 | -23.29 | peak | | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5350.000 | 31.15 | 33.47 | 64.62 | 74.00 | -9.38 | | | peak |
| 2 | * | 5350.000 | 18.92 | 33.47 | 52.39 | 54.00 | -1.61 | | | AVG |



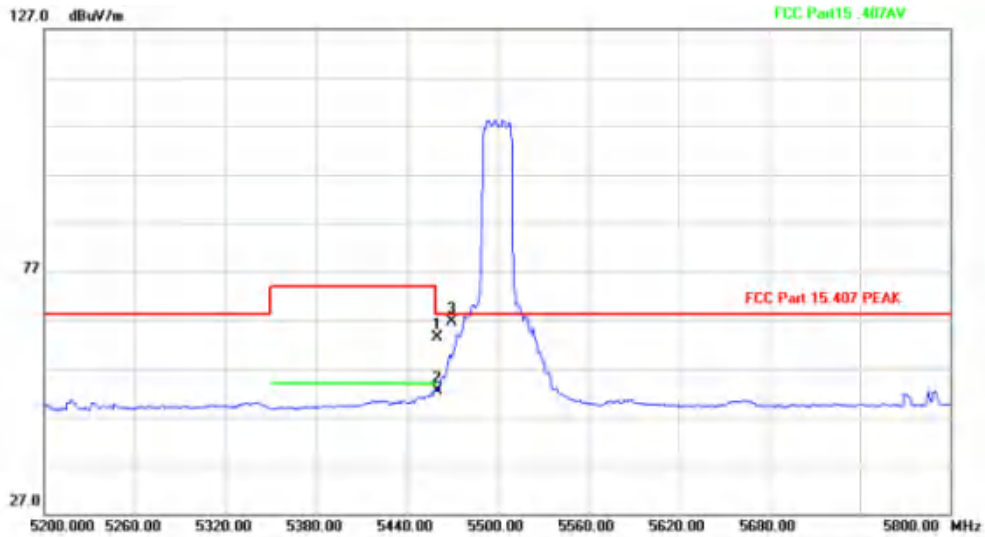
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10639.000 | 54.50 | -3.23 | 51.27 | 74.00 | -22.73 | | | peak |
| 2 | * | 10641.497 | 43.14 | -3.22 | 39.92 | 54.00 | -14.08 | | | AVG |
| 3 | | 15958.500 | 51.28 | -0.11 | 51.17 | 74.00 | -22.83 | | | peak |
| 4 | | 15964.514 | 39.36 | -0.11 | 39.25 | 54.00 | -14.75 | | | AVG |

Above 1G (1GHz~40GHz)

Test mode: 11AC20MIMO

Test Channel:100

VERTICAL

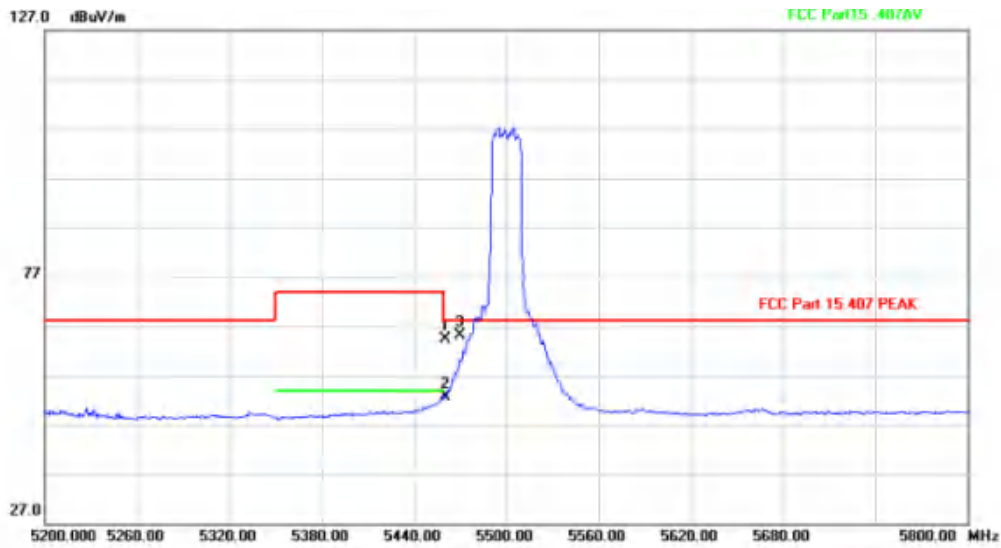


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5460.000 | 30.01 | 33.49 | 63.50 | 74.00 | -10.50 | | | peak |
| 2 | | 5460.000 | 18.88 | 33.49 | 52.37 | 54.00 | -1.63 | | | AVG |
| 3 * | | 5470.000 | 33.25 | 33.49 | 66.74 | 68.20 | -1.46 | | | peak |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10996.000 | 54.09 | -2.83 | 51.26 | 74.00 | -22.74 | | | peak |
| 2 * | | 10999.257 | 44.71 | -2.83 | 41.88 | 54.00 | -12.12 | | | AVG |
| 3 | | 16502.500 | 52.03 | 1.28 | 53.31 | 68.20 | -14.89 | | | peak |

HORIZONTAL

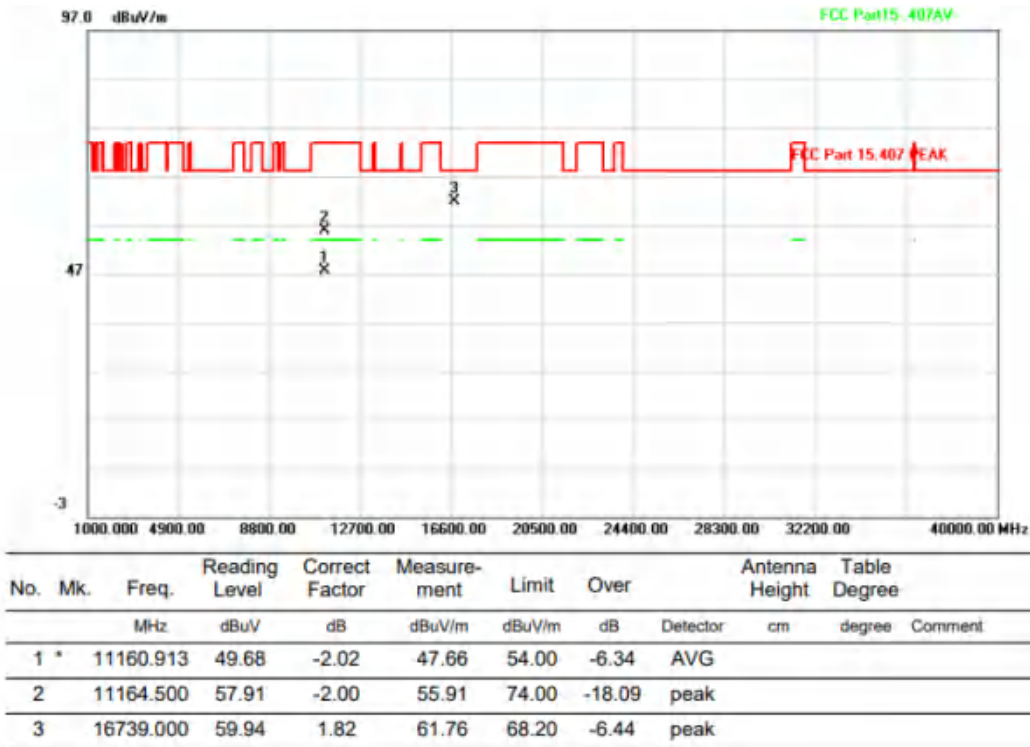


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5460.000 | 30.94 | 33.49 | 64.43 | 74.00 | -9.57 | | | peak |
| 2 | * | 5460.000 | 19.10 | 33.49 | 52.59 | 54.00 | -1.41 | | | AVG |
| 3 | | 5470.000 | 31.65 | 33.49 | 65.14 | 68.20 | -3.06 | | | peak |

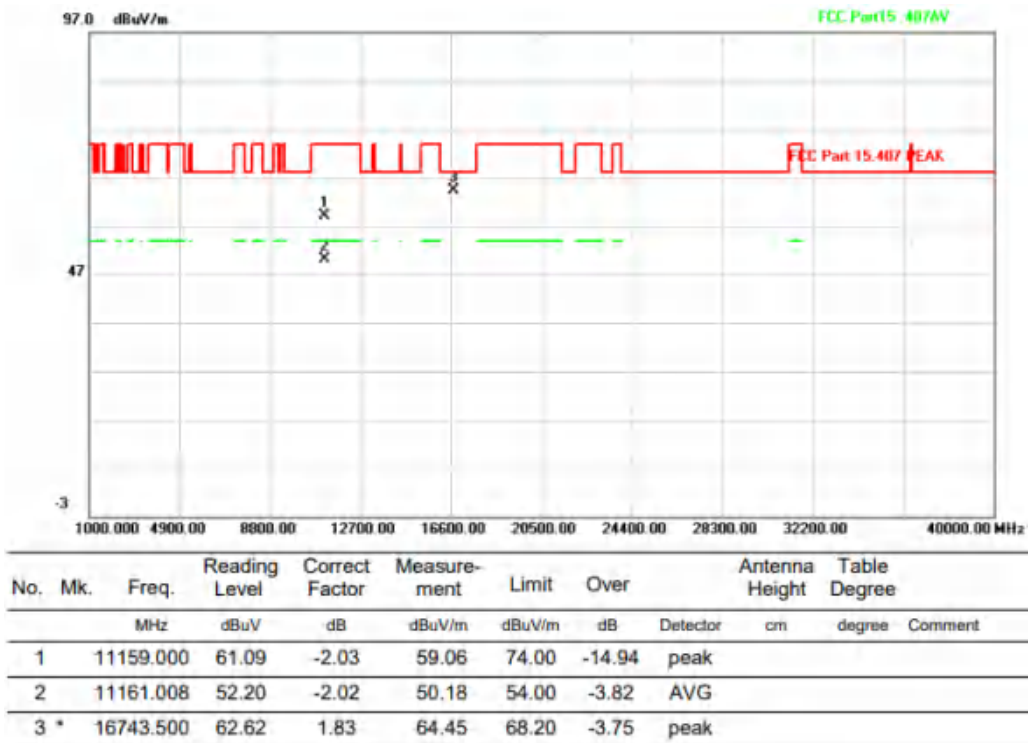


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10996.000 | 55.88 | -2.83 | 53.05 | 74.00 | -20.95 | | | peak |
| 2 | * | 11001.434 | 46.29 | -2.82 | 43.47 | 54.00 | -10.53 | | | AVG |
| 3 | | 16504.000 | 55.31 | 1.28 | 56.59 | 68.20 | -11.61 | | | peak |

VERTICAL



HORIZONTAL

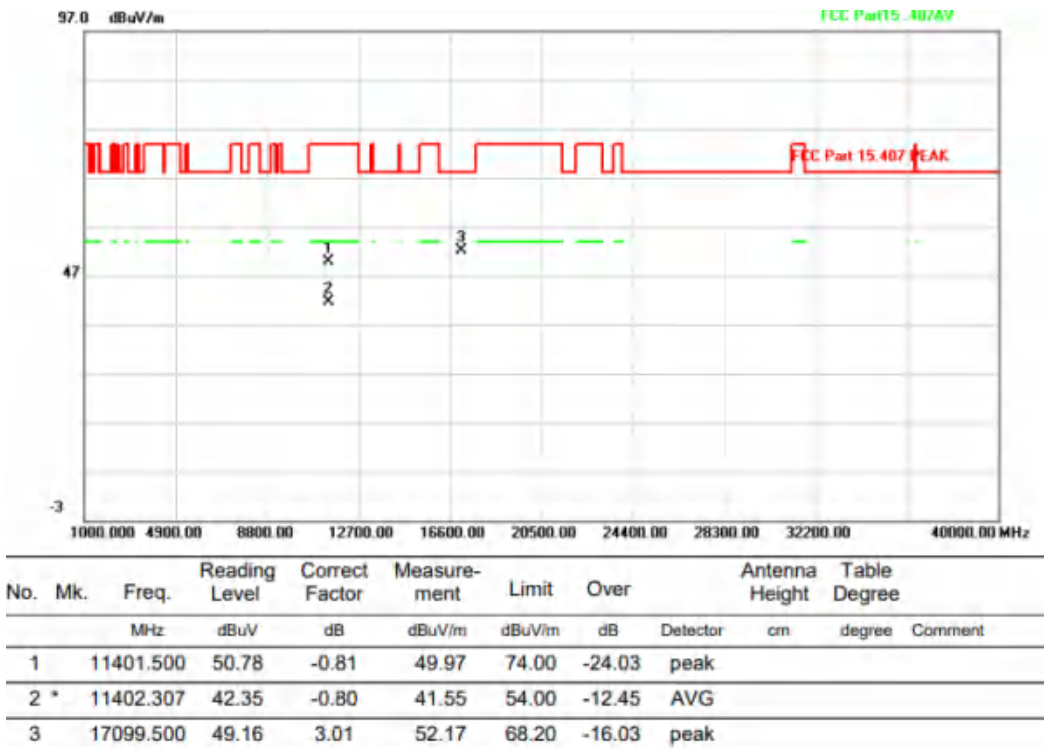
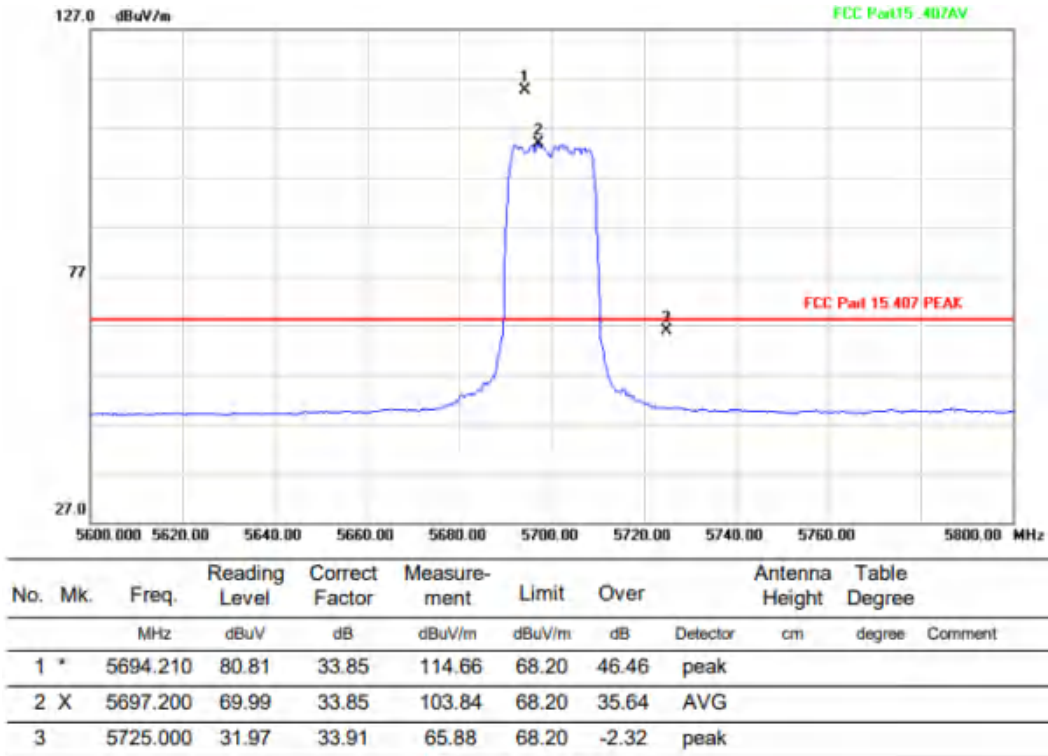


Above 1G (1GHz~40GHz)

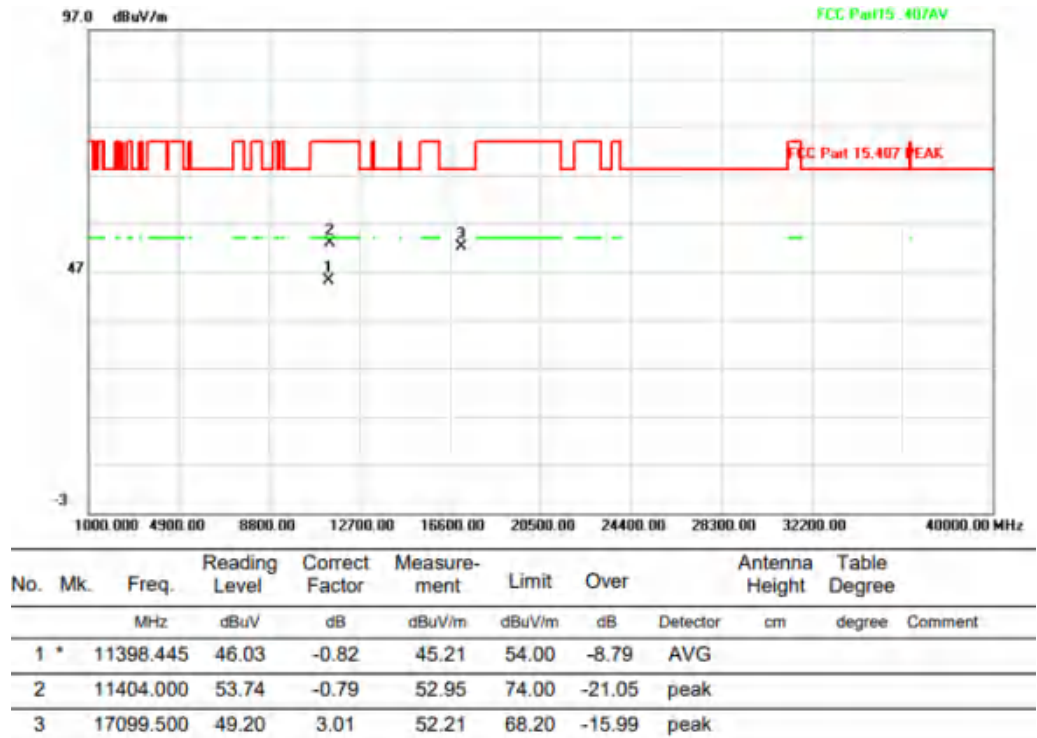
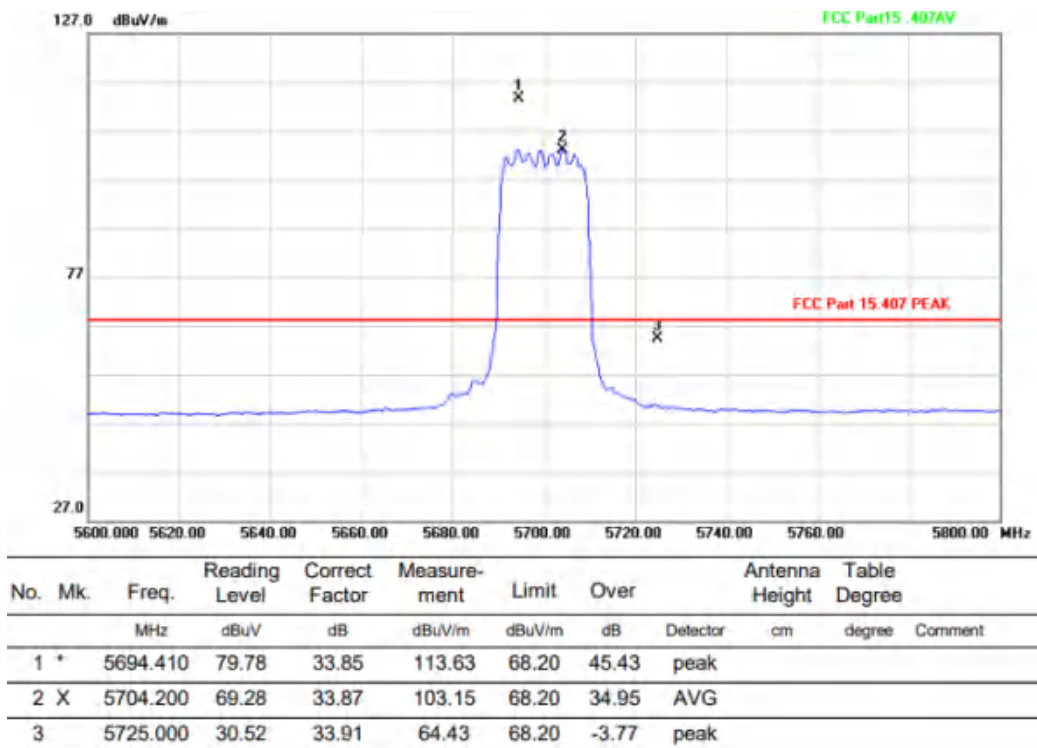
Test mode: 11AC20MIMO

Test Channel:140

VERTICAL



HORIZONTAL

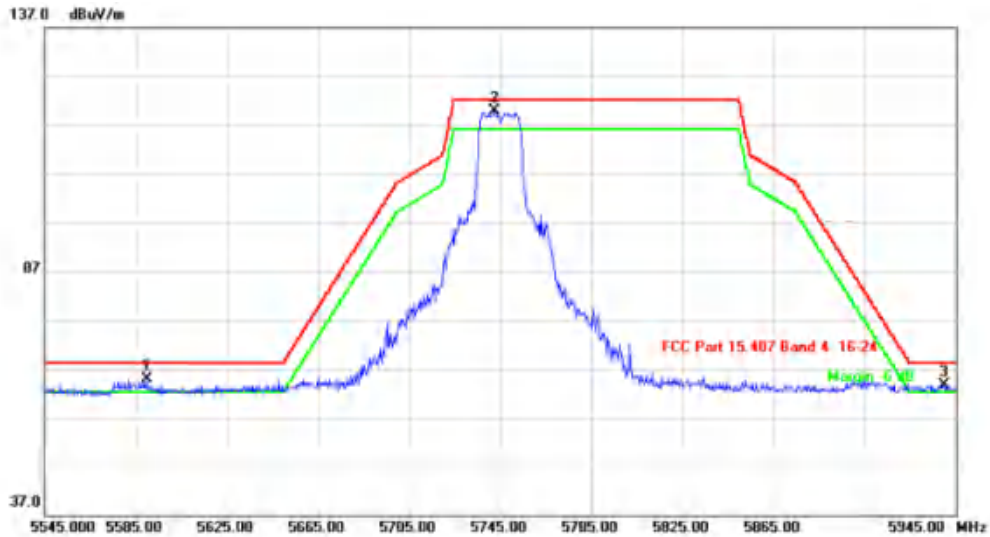


Above 1G (1GHz~40GHz)

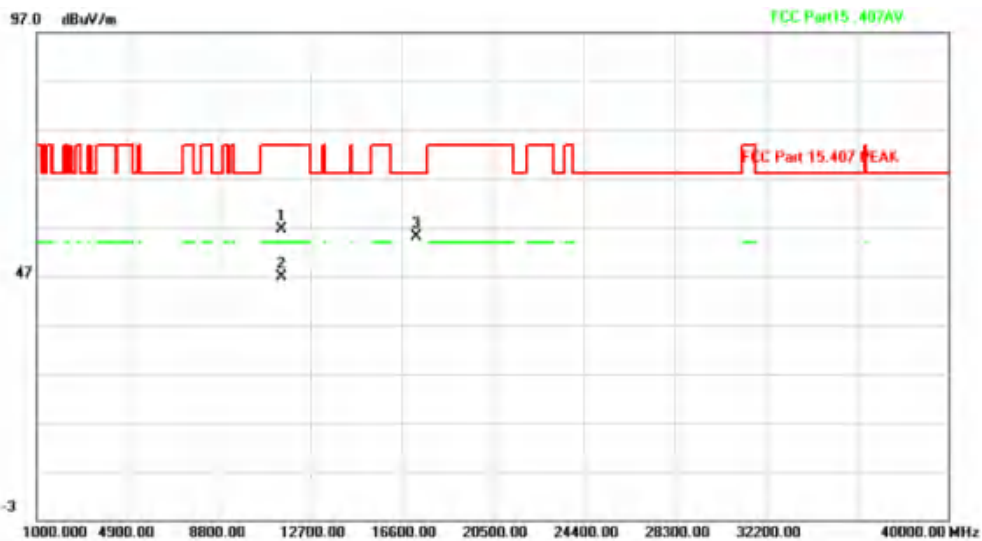
Test mode: 11AC20MIMO

Test Channel:149

VERTICAL

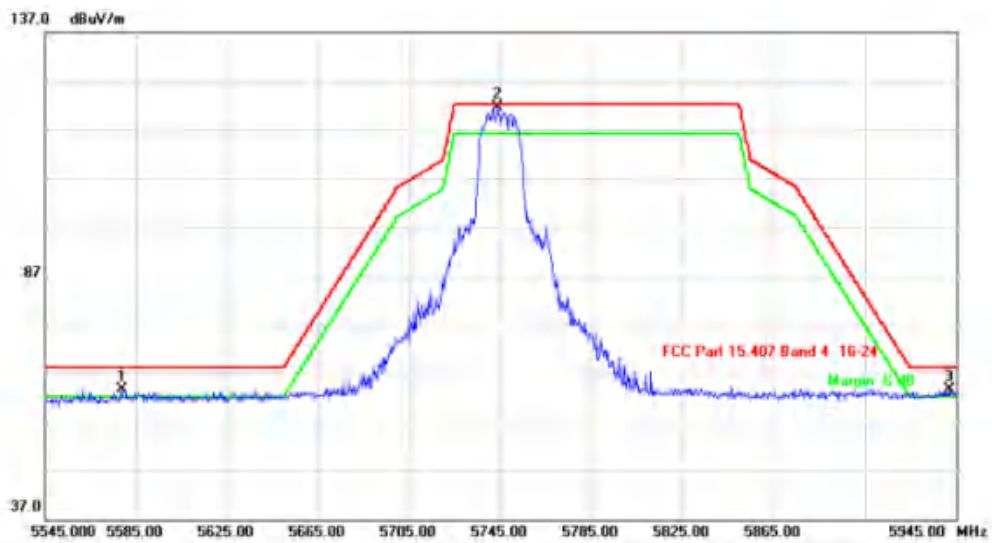


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | ! | 5589.800 | 31.20 | 33.66 | 64.86 | 68.20 | -3.34 | | |
| 2 | * | 5742.600 | 85.90 | 33.94 | 119.84 | 122.20 | -2.36 | | |
| 3 | ! | 5939.800 | 29.33 | 34.29 | 63.62 | 68.20 | -4.58 | | |

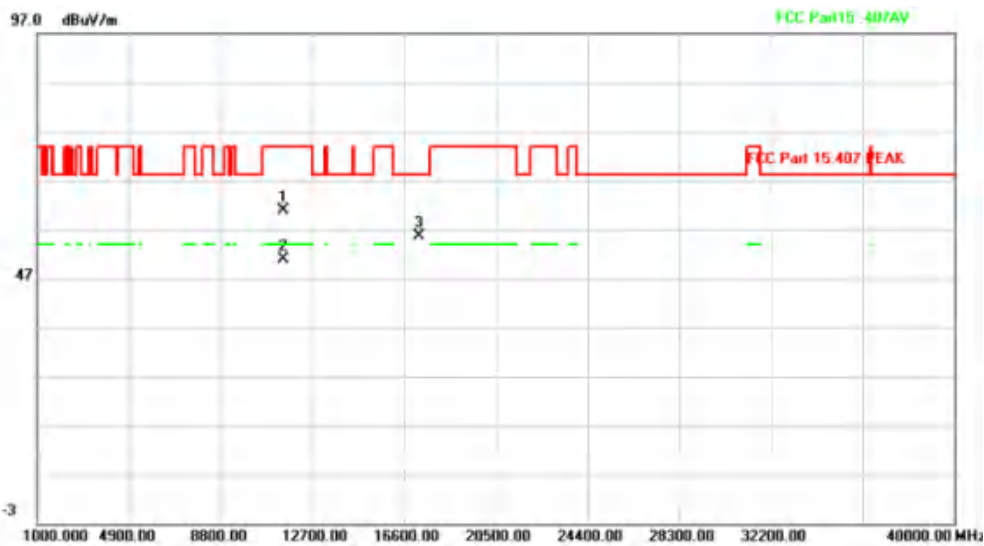


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 11490.000 | 56.96 | -0.36 | 56.60 | 74.00 | -17.40 | | |
| 2 | * | 11490.596 | 47.30 | -0.36 | 46.94 | 54.00 | -7.06 | | |
| 3 | | 17233.500 | 51.24 | 3.78 | 55.02 | 68.20 | -13.18 | | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | ! | 5578.600 | 30.03 | 33.64 | 63.67 | 68.20 | -4.53 | | | peak |
| 2 | * | 5743.800 | 87.61 | 33.94 | 121.55 | 122.20 | -0.65 | | | peak |
| 3 | ! | 5942.200 | 29.44 | 34.30 | 63.74 | 68.20 | -4.46 | | | peak |



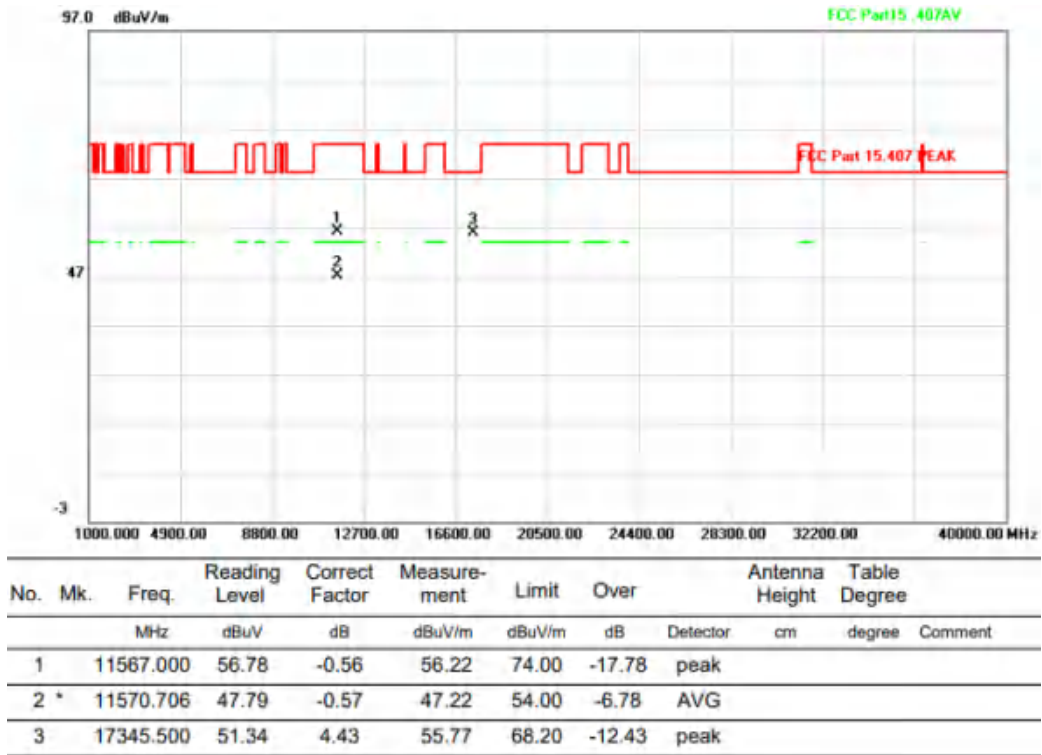
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11490.500 | 61.16 | -0.36 | 60.80 | 74.00 | -13.20 | | | peak |
| 2 | * | 11493.447 | 51.14 | -0.34 | 50.80 | 54.00 | -3.20 | | | AVG |
| 3 | | 17233.500 | 51.78 | 3.78 | 55.56 | 68.20 | -12.64 | | | peak |

Above 1G (1GHz~40GHz)

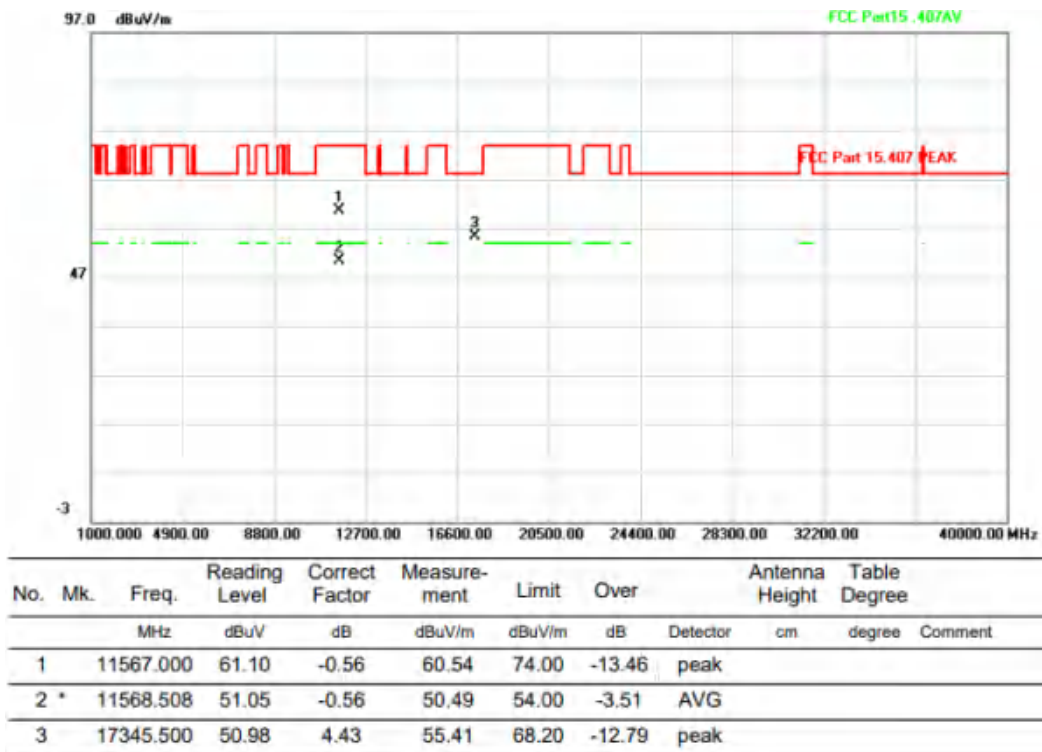
Test mode: 11AC20MIMO

Test Channel:157

VERTICAL



HORIZONTAL

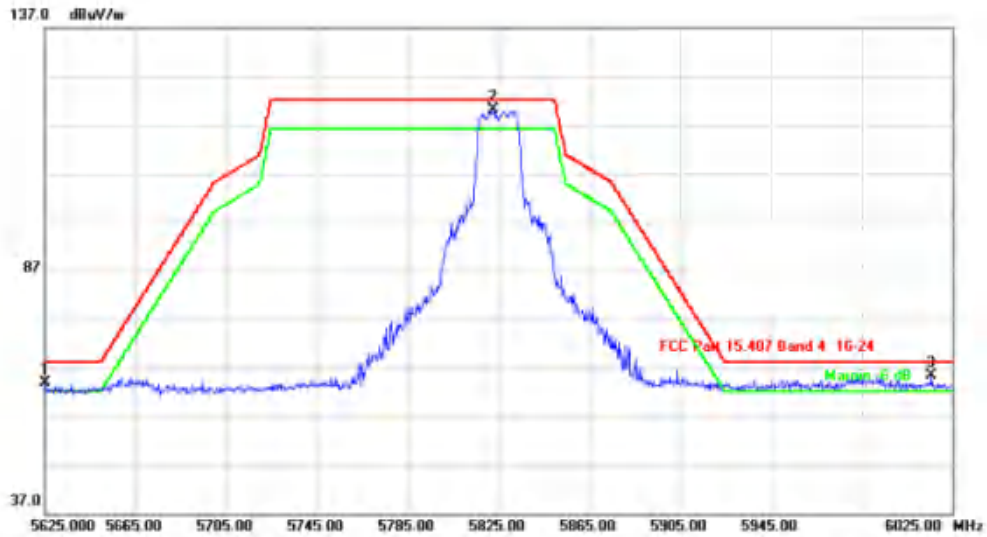


Above 1G (1GHz~40GHz)

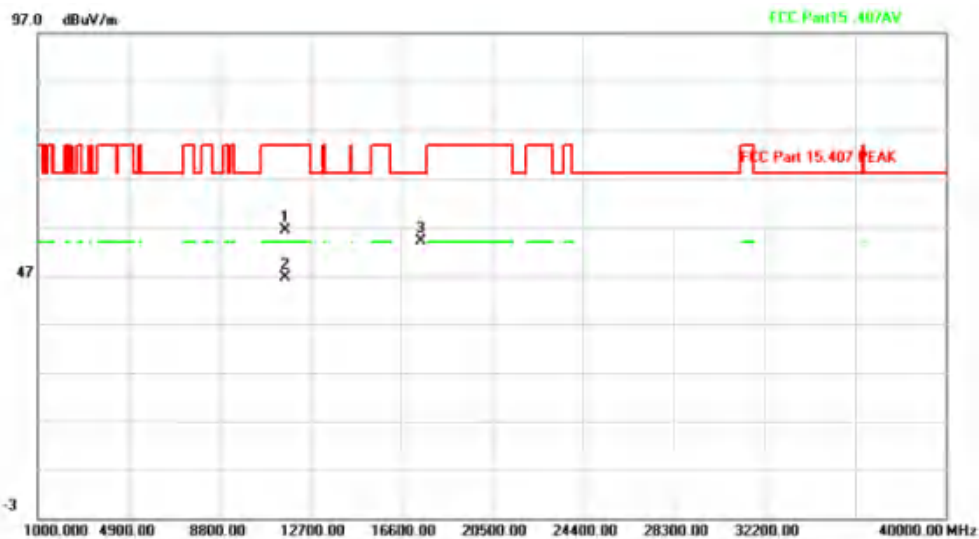
Test mode: 11AC20MIMO

Test Channel:165

VERTICAL

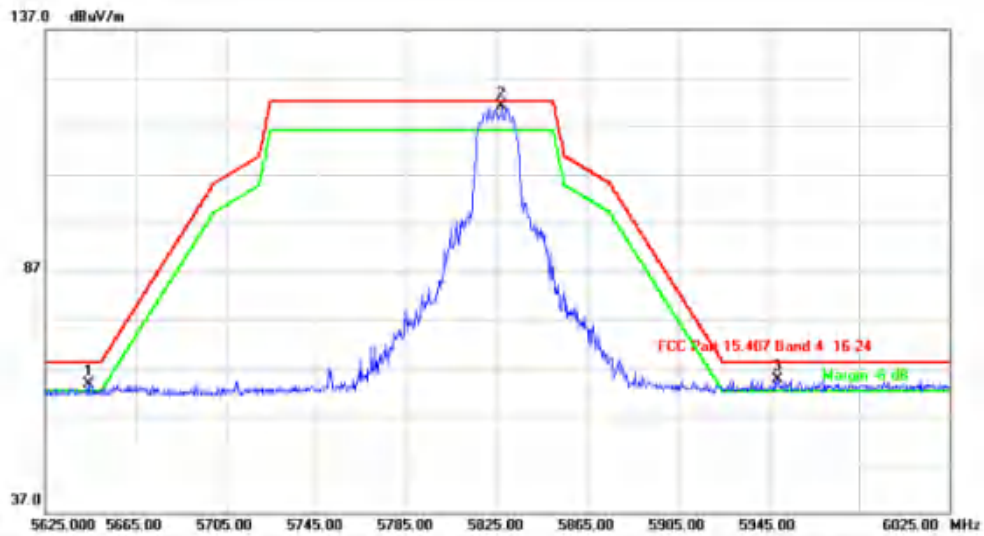


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | ! | 5625.400 | 30.17 | 33.73 | 63.90 | 68.20 | -4.30 | peak | |
| 2 | * | 5822.600 | 86.10 | 34.08 | 120.18 | 122.20 | -2.02 | peak | |
| 3 | ! | 6015.800 | 30.89 | 34.44 | 65.33 | 68.20 | -2.87 | peak | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 11649.000 | 57.14 | -0.86 | 56.28 | 74.00 | -17.72 | peak | |
| 2 | * | 11650.528 | 47.61 | -0.86 | 46.75 | 54.00 | -7.25 | AVG | |
| 3 | | 17473.000 | 48.94 | 5.16 | 54.10 | 68.20 | -14.10 | peak | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | ! | 5644.200 | 29.78 | 33.76 | 63.54 | 68.20 | -4.66 | | | peak |
| 2 | * | 5827.000 | 86.92 | 34.09 | 121.01 | 122.20 | -1.19 | | | peak |
| 3 | ! | 5949.000 | 30.29 | 34.31 | 64.60 | 68.20 | -3.60 | | | peak |



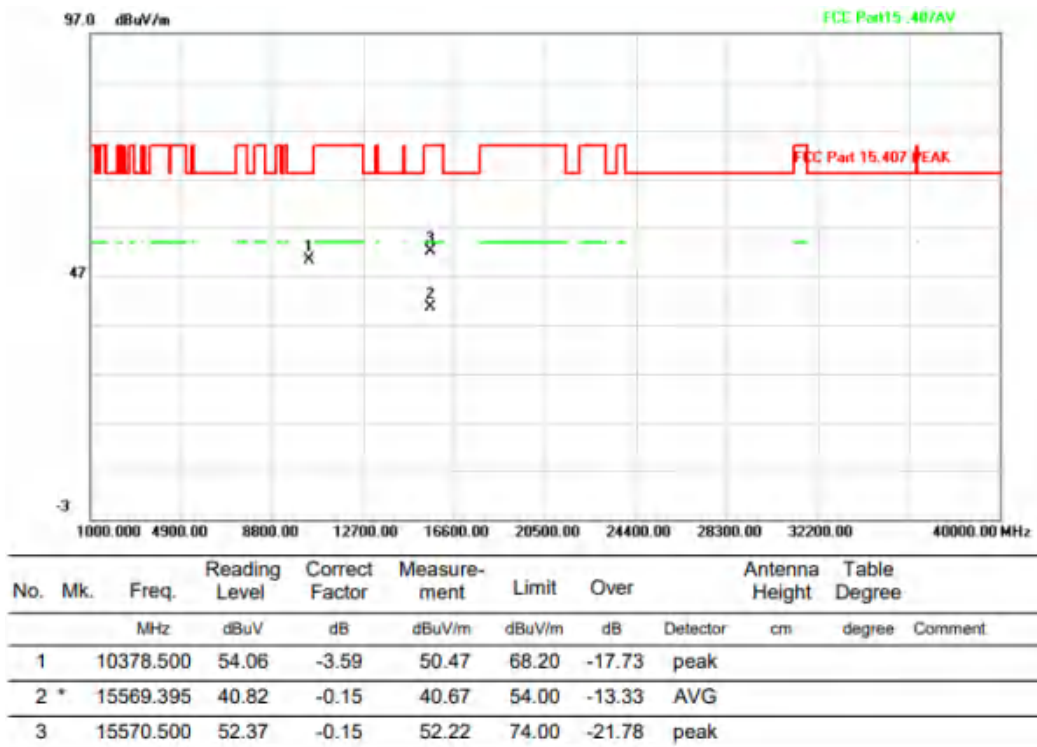
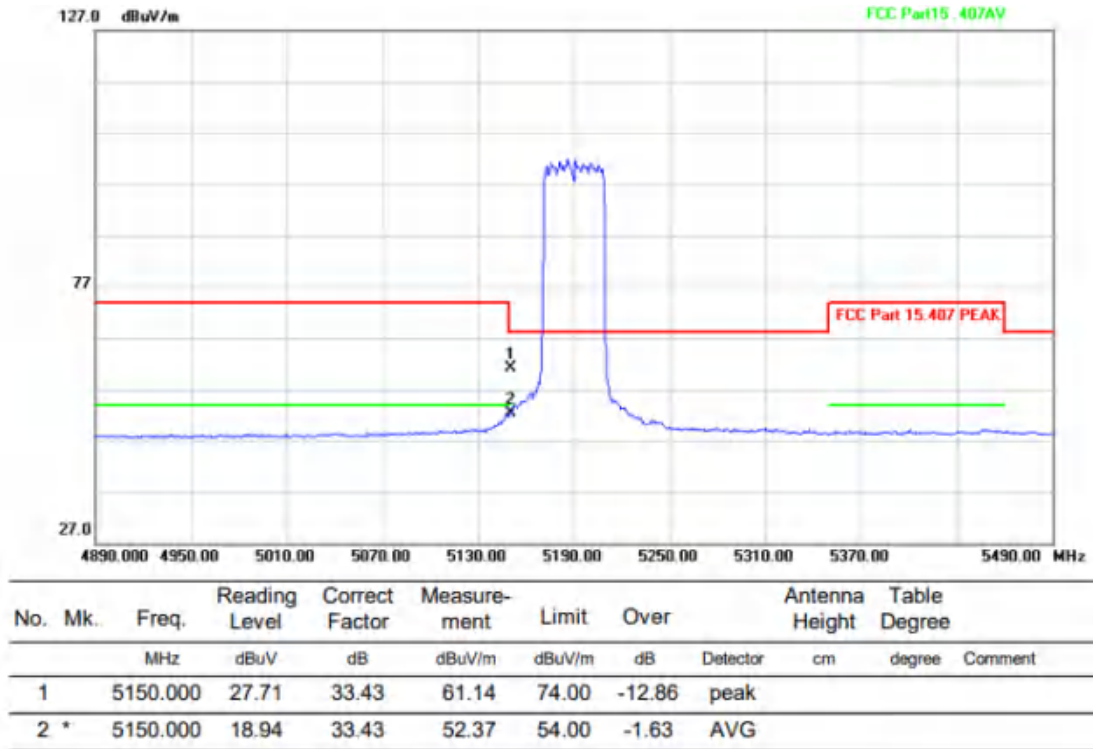
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11648.371 | 51.72 | -0.85 | 50.87 | 54.00 | -3.13 | | | AVG |
| 2 | | 11649.000 | 60.99 | -0.86 | 60.13 | 74.00 | -13.87 | | | peak |
| 3 | | 17473.000 | 49.56 | 5.16 | 54.72 | 68.20 | -13.48 | | | peak |

Above 1G (1GHz~40GHz)

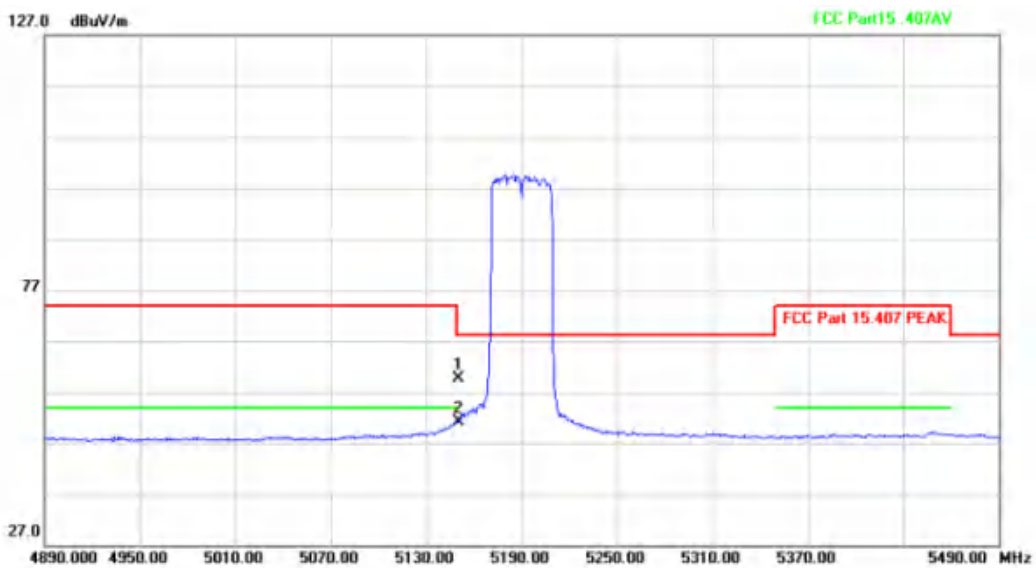
Test mode: 11AC40MIMO

Test Channel:38

VERTICAL



HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5150.000 | 26.26 | 33.43 | 59.69 | 74.00 | -14.31 | | | peak |
| 2 | * | 5150.000 | 17.80 | 33.43 | 51.23 | 54.00 | -2.77 | | | AVG |



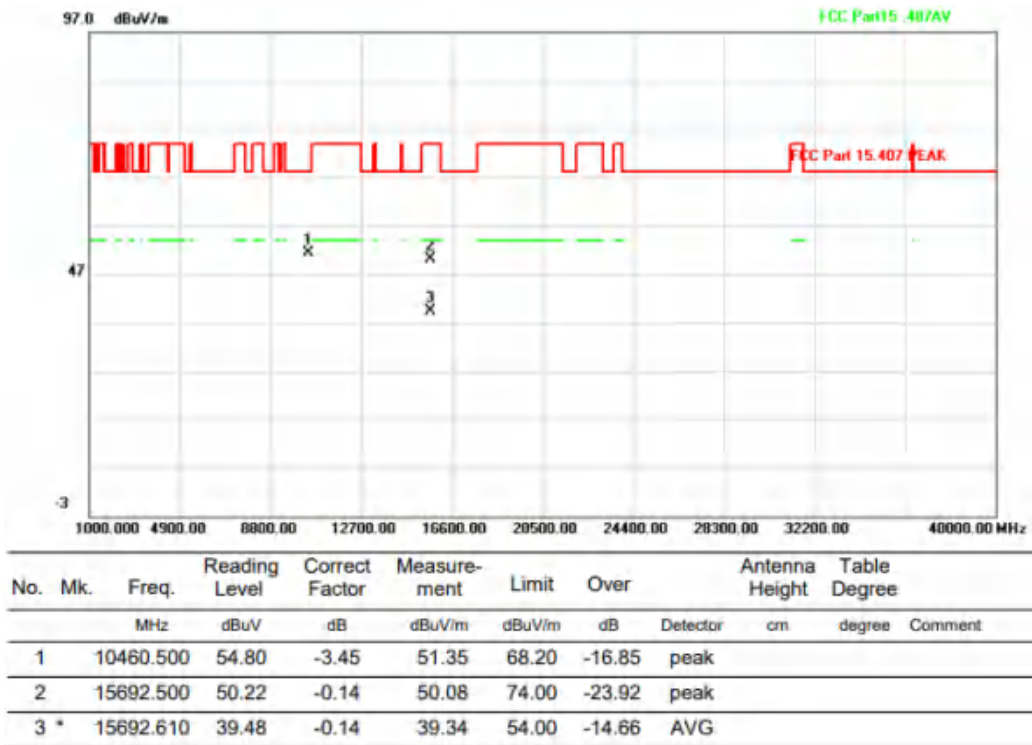
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10378.500 | 52.83 | -3.59 | 49.24 | 68.20 | -18.96 | | | peak |
| 2 | * | 15570.080 | 40.90 | -0.15 | 40.75 | 54.00 | -13.25 | | | AVG |
| 3 | | 15570.500 | 51.05 | -0.15 | 50.90 | 74.00 | -23.10 | | | peak |

Above 1G (1GHz~40GHz)

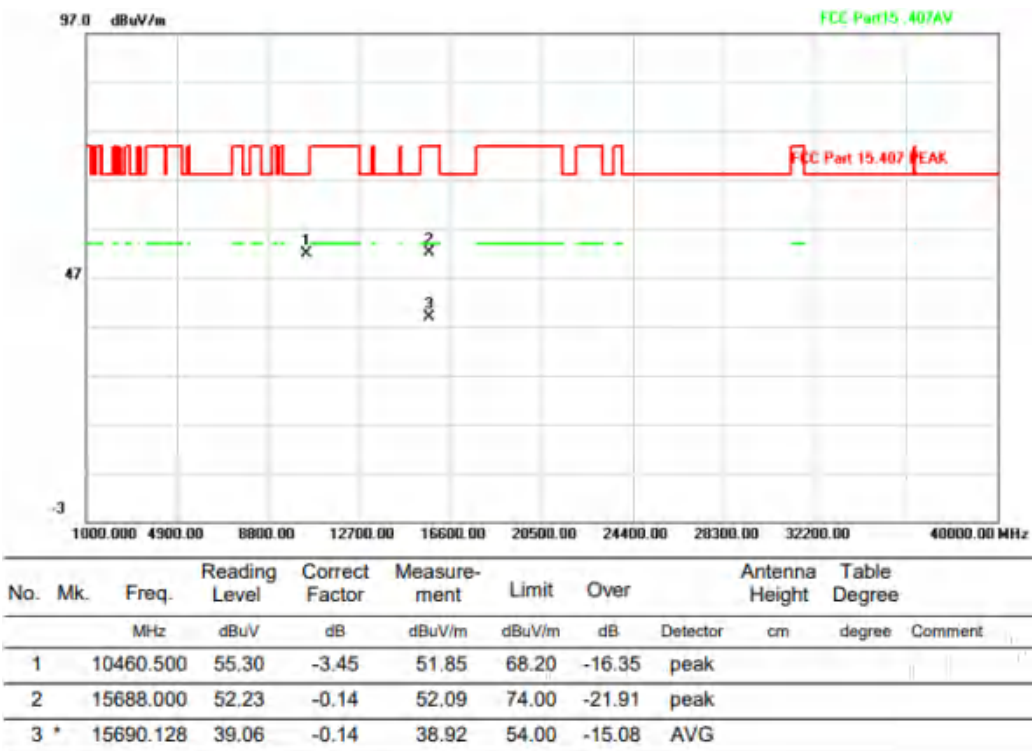
Test mode: 11AC40MIMO

Test Channel:46

VERTICAL



HORIZONTAL

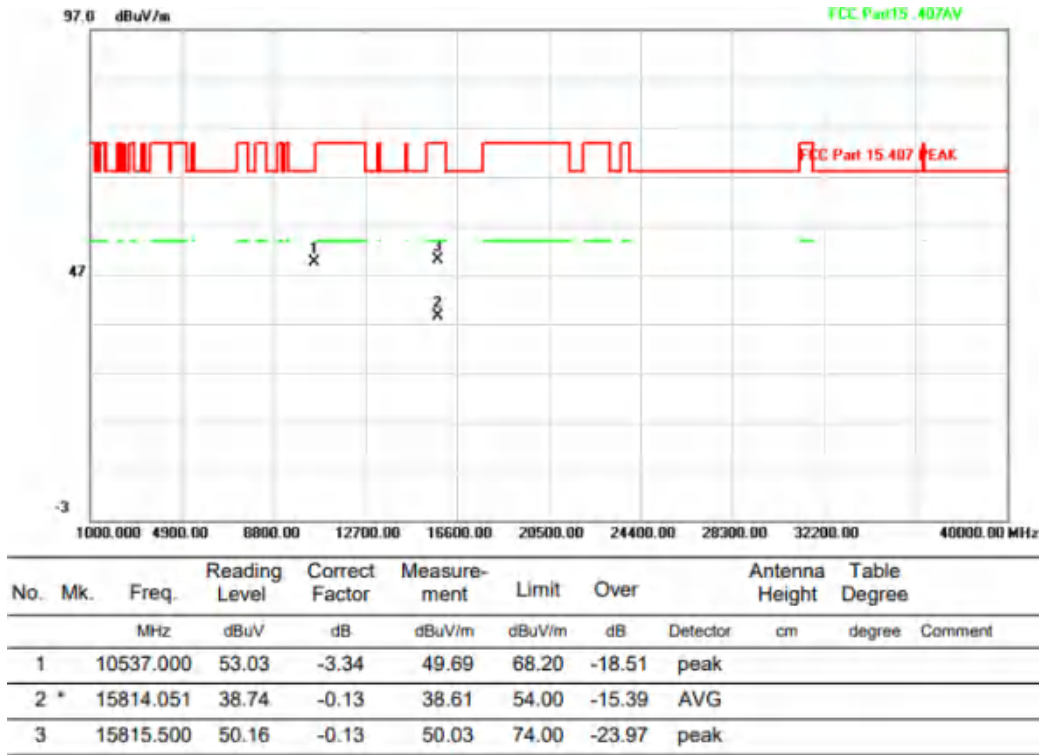


Above 1G (1GHz~40GHz)

Test mode: 11AC40MIMO

Test Channel:54

VERTICAL



HORIZONTAL

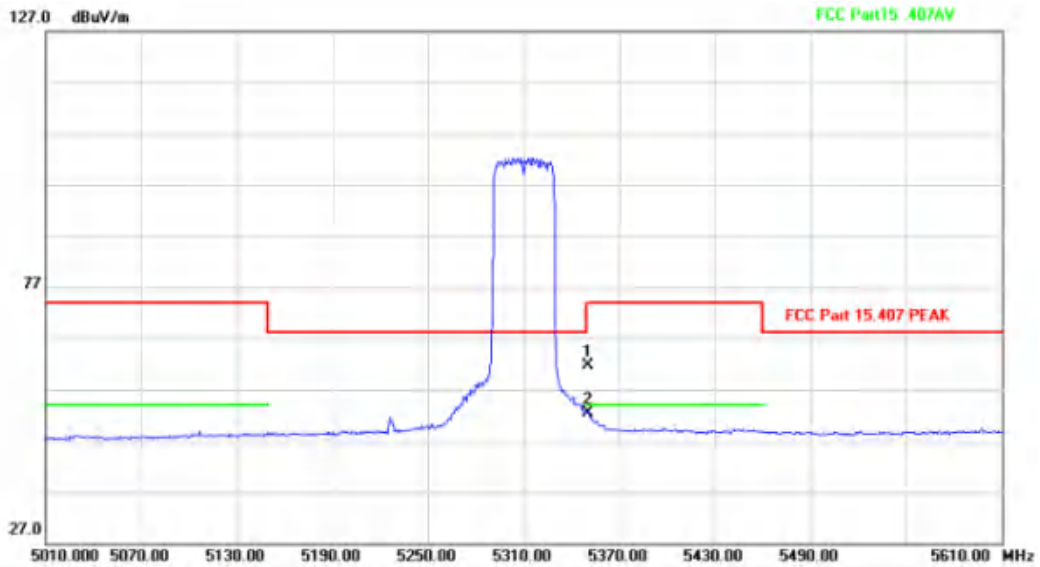


Above 1G (1GHz~40GHz)

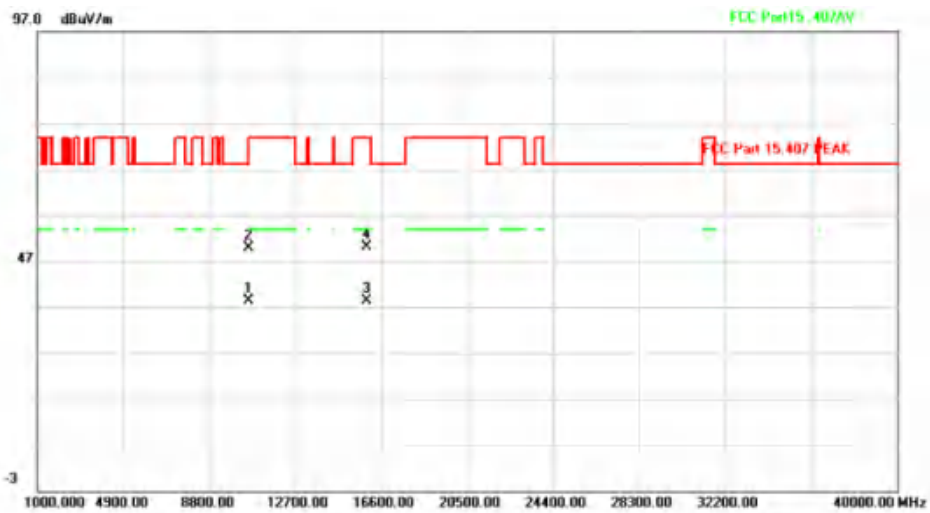
Test mode: 11AC40MIMO

Test Channel:62

VERTICAL

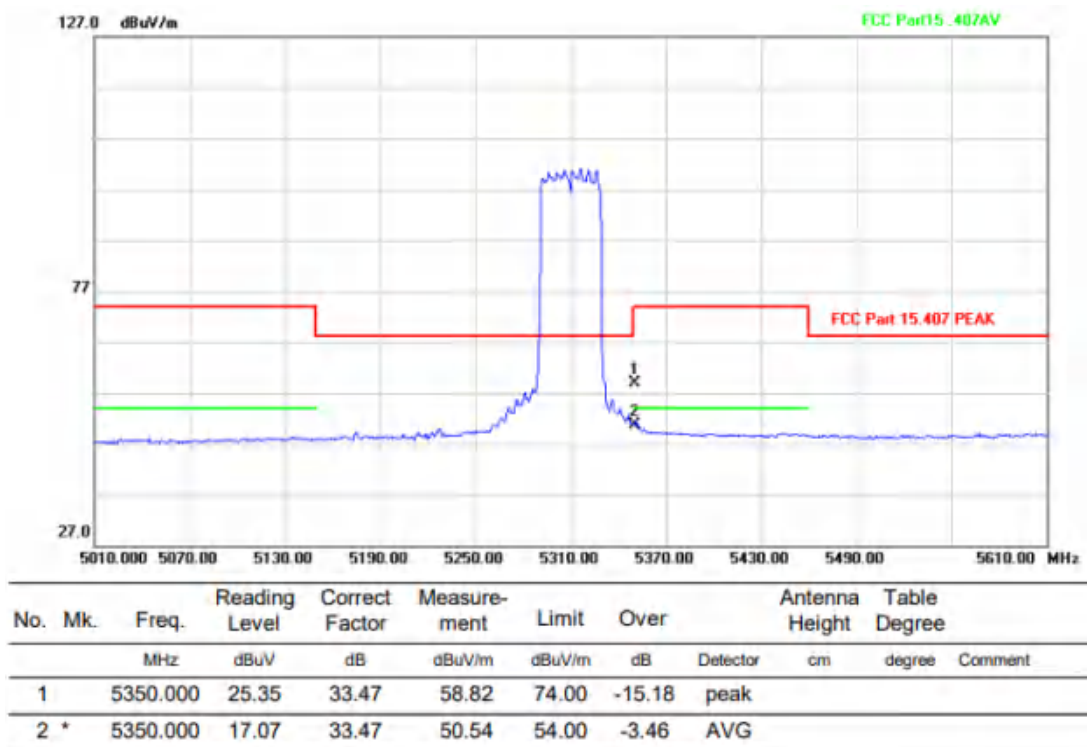


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5350.000 | 28.10 | 33.47 | 61.57 | 74.00 | -12.43 | | | peak |
| 2 | * | 5350.000 | 19.03 | 33.47 | 52.50 | 54.00 | -1.50 | | | AVG |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10618.730 | 41.54 | -3.25 | 38.29 | 54.00 | -15.71 | | | AVG |
| 2 | | 10619.000 | 53.12 | -3.25 | 49.87 | 74.00 | -24.13 | | | peak |
| 3 | * | 15932.890 | 38.44 | -0.12 | 38.32 | 54.00 | -15.68 | | | AVG |
| 4 | | 15933.000 | 50.24 | -0.12 | 50.12 | 74.00 | -23.88 | | | peak |

HORIZONTALA

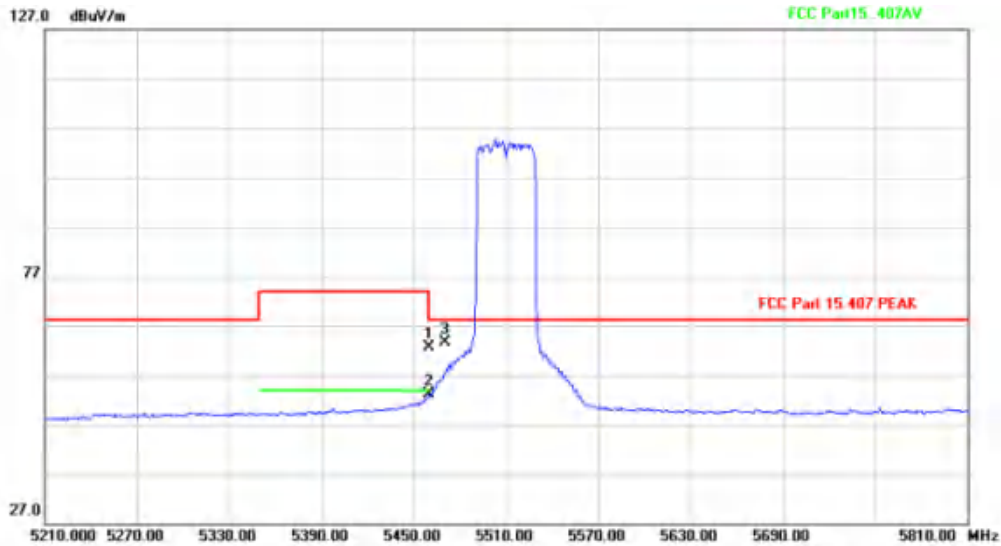


Above 1G (1GHz~40GHz)

Test mode: 11AC40MIMO

Test Channel:102

VERTICAL

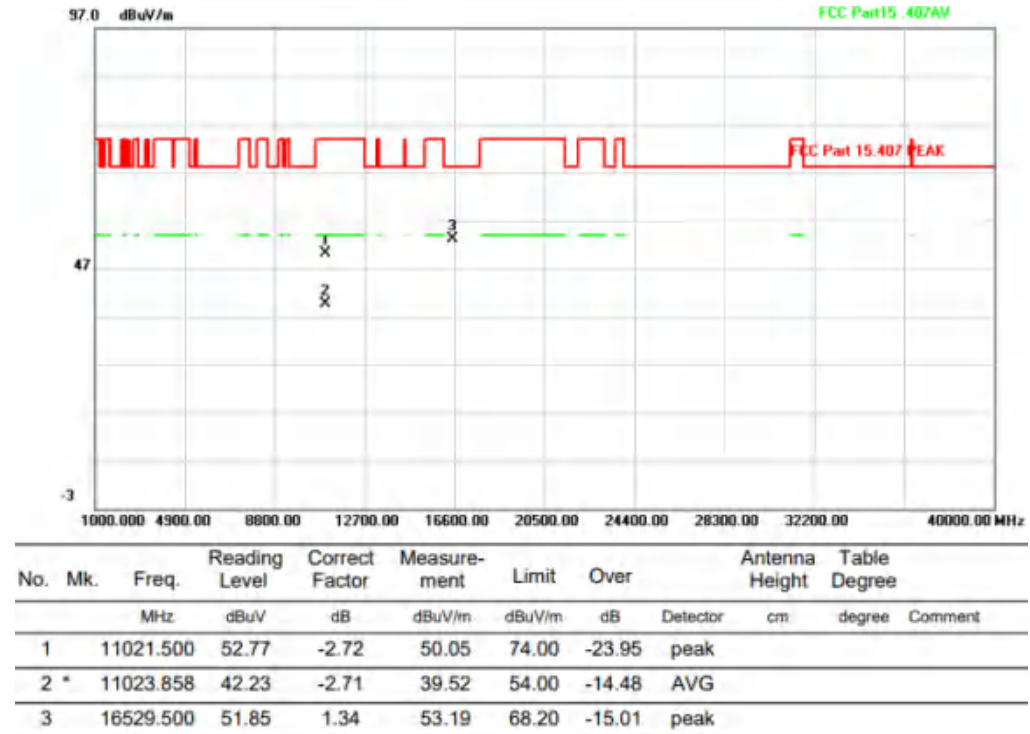
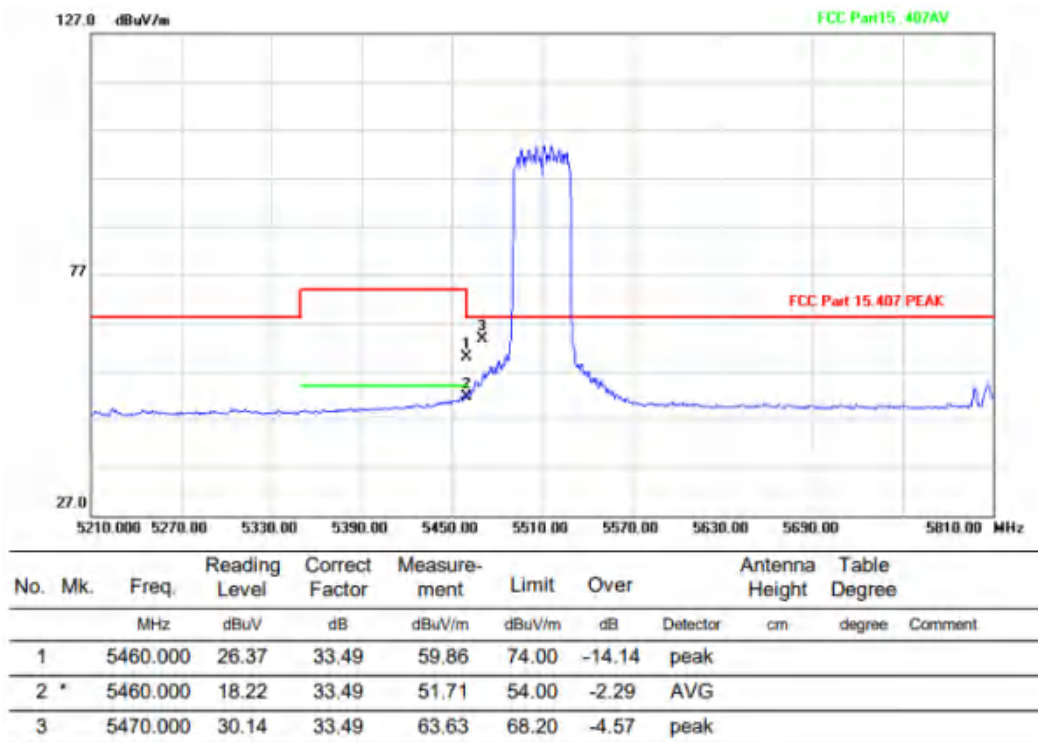


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 5460.000 | 29.24 | 33.49 | 62.73 | 74.00 | -11.27 | peak | |
| 2 | * | 5460.000 | 19.75 | 33.49 | 53.24 | 54.00 | -0.76 | AVG | |
| 3 | | 5470.000 | 30.21 | 33.49 | 63.70 | 68.20 | -4.50 | peak | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 11021.500 | 53.00 | -2.72 | 50.28 | 74.00 | -23.72 | peak | |
| 2 | | 11024.877 | 41.34 | -2.70 | 38.64 | 54.00 | -15.36 | AVG | |
| 3 | * | 16534.000 | 54.04 | 1.35 | 55.39 | 68.20 | -12.81 | peak | |

HORIZONTALA

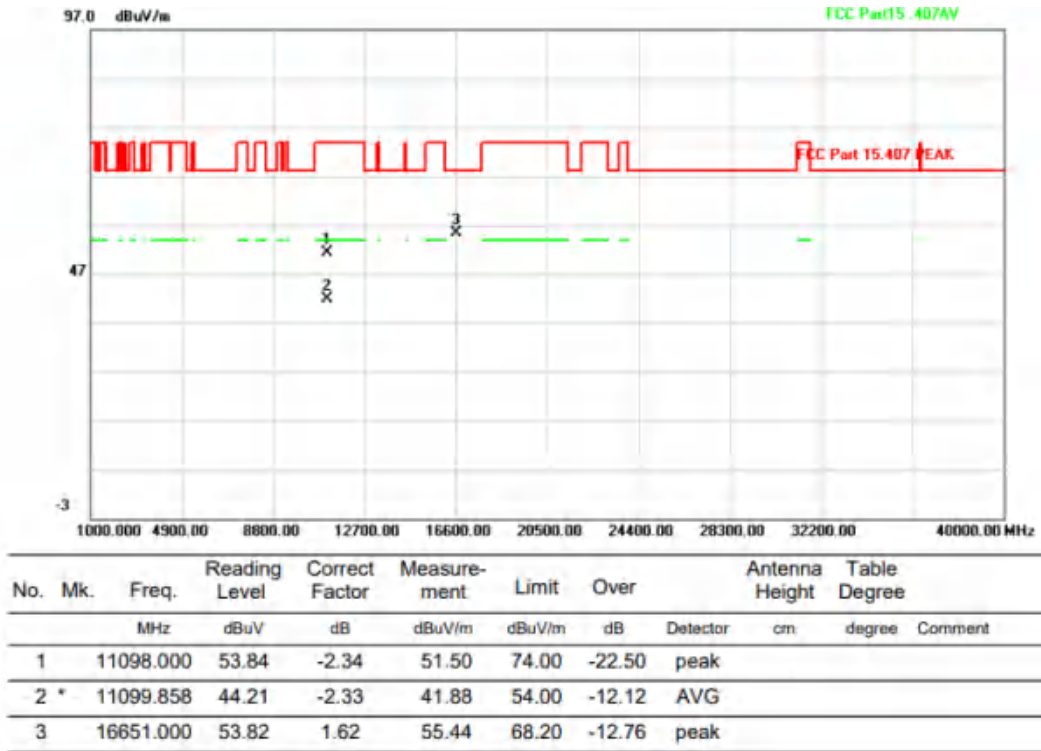


Above 1G (1GHz~40GHz)

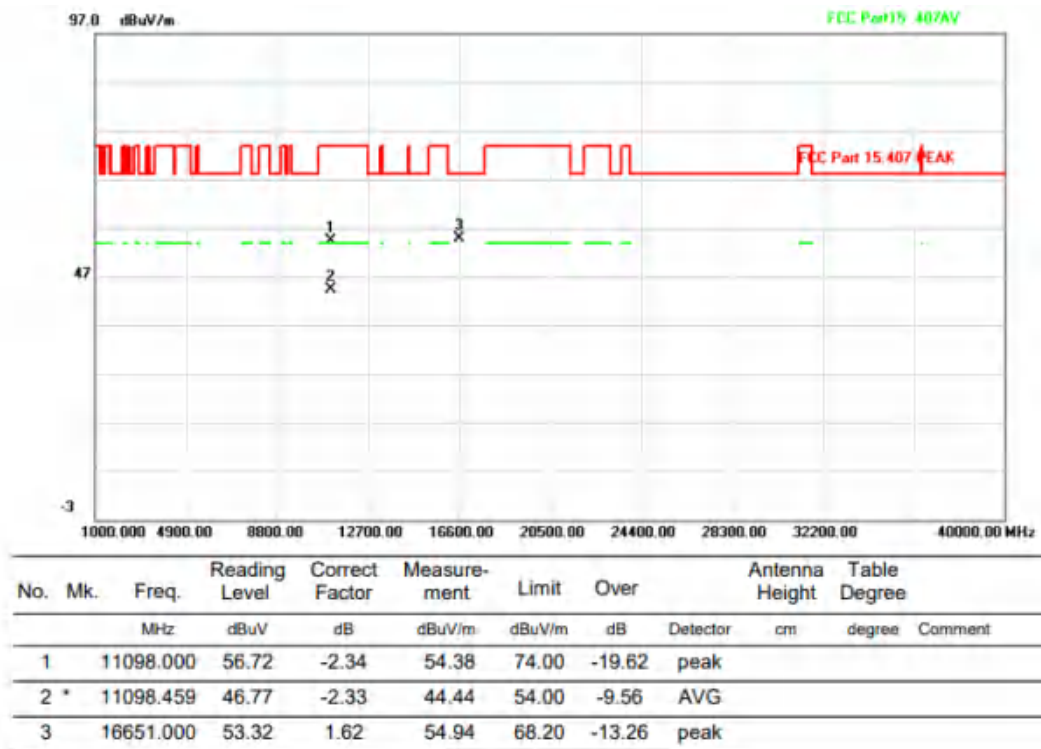
Test mode: 11AC40MIMO

Test Channel:110

VERTICAL



HORIZONTAL

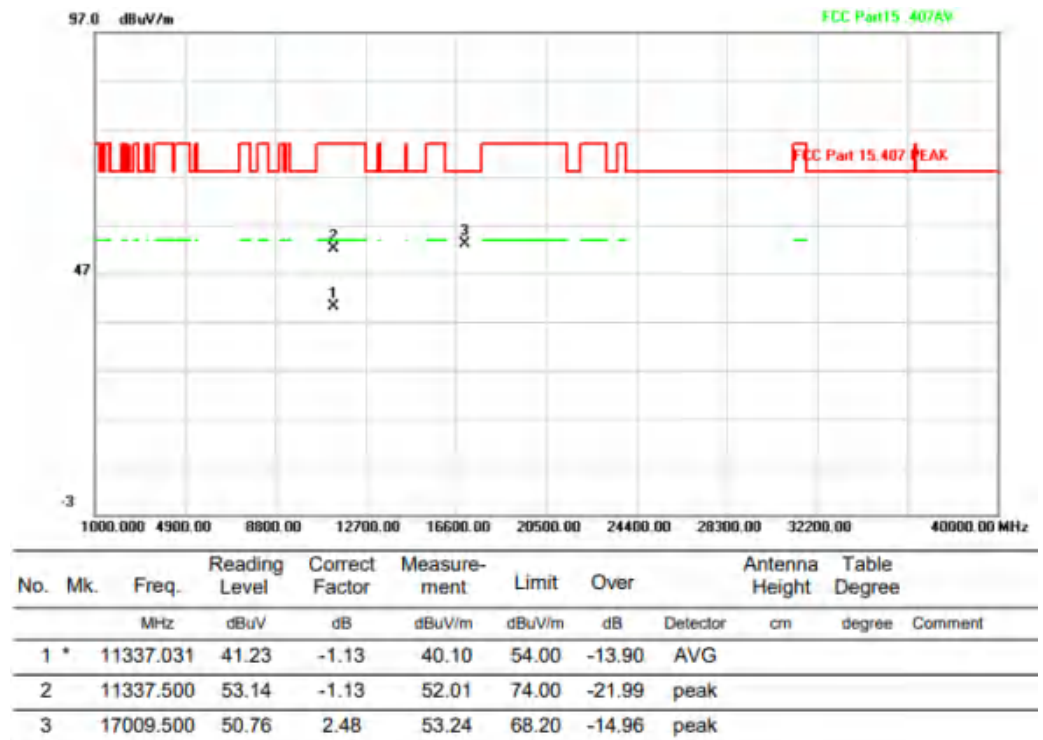
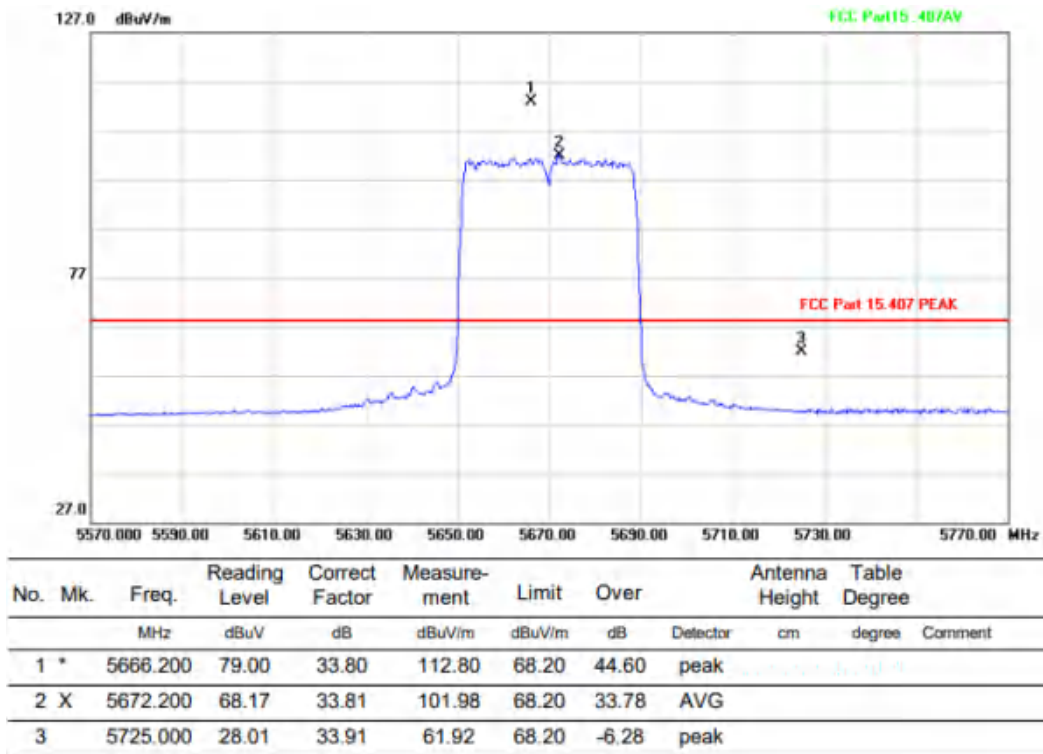


Above 1G (1GHz~40GHz)

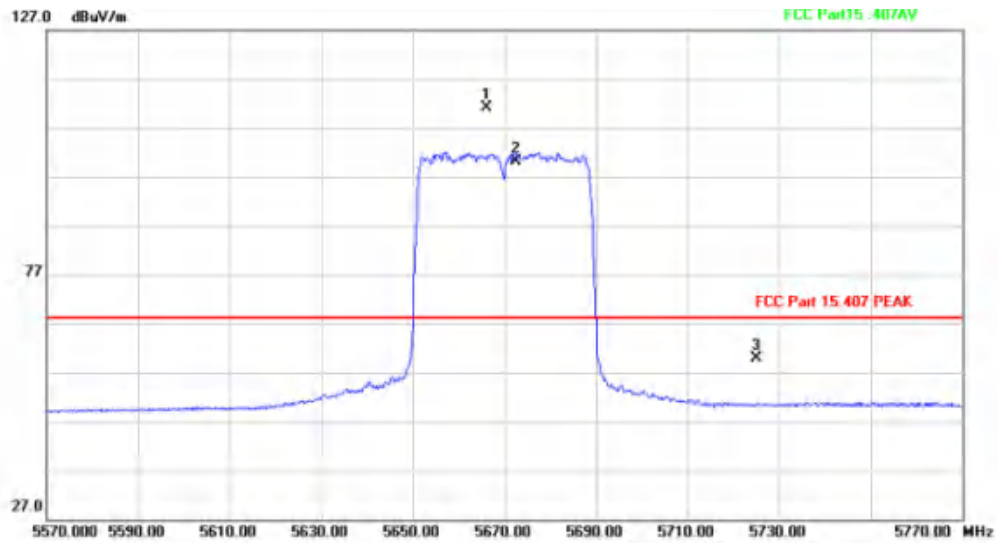
Test mode: 11AC40MIMO

Test Channel:134

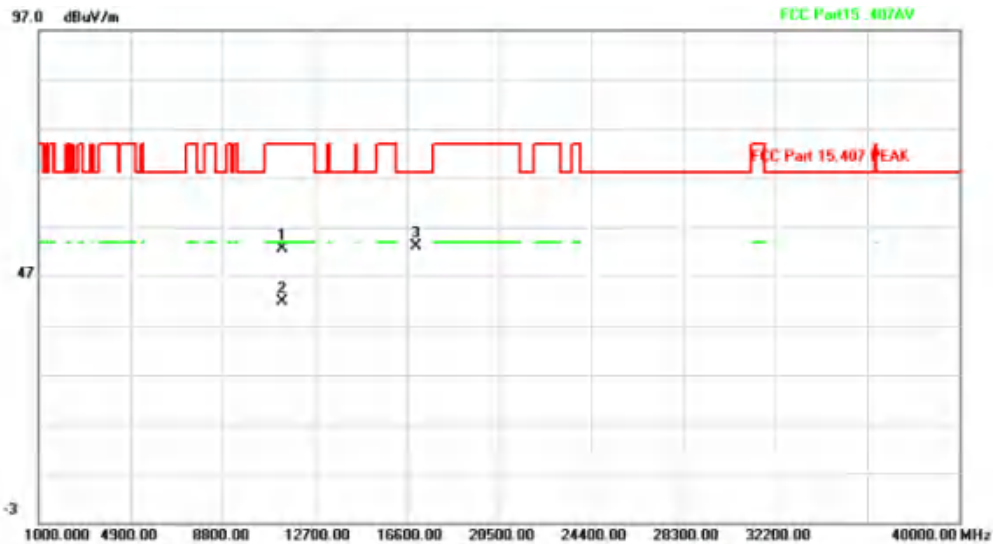
VERTICAL



HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 5666.200 | 77.21 | 33.80 | 111.01 | 68.20 | 42.81 | | | peak |
| 2 | X | 5672.400 | 66.41 | 33.81 | 100.22 | 68.20 | 32.02 | | | AVG |
| 3 | | 5725.000 | 26.07 | 33.91 | 59.98 | 68.20 | -8.22 | | | peak |



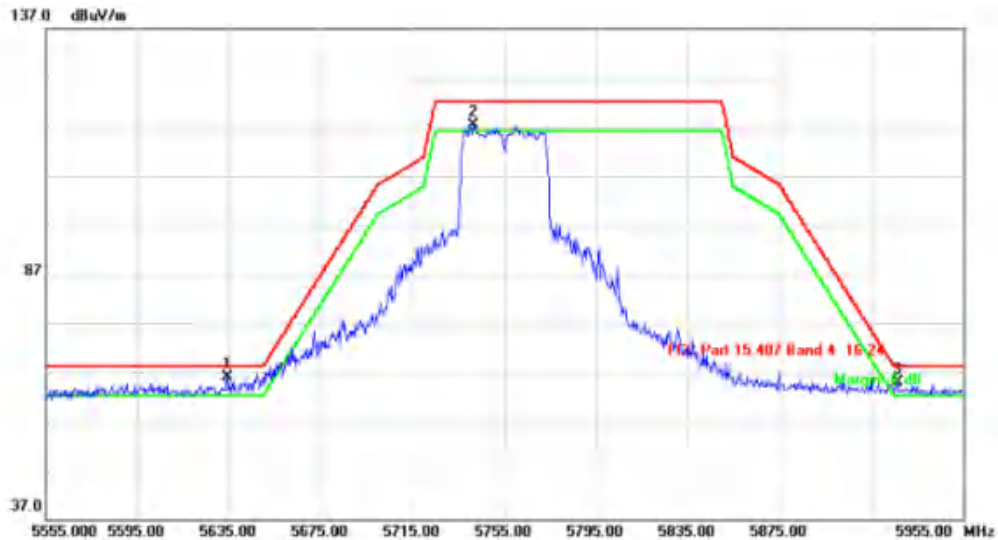
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11337.500 | 53.83 | -1.13 | 52.70 | 74.00 | -21.30 | | | peak |
| 2 | * | 11339.727 | 42.96 | -1.12 | 41.84 | 54.00 | -12.16 | | | AVG |
| 3 | | 17009.500 | 50.72 | 2.48 | 53.20 | 68.20 | -15.00 | | | peak |

Above 1G (1GHz~40GHz)

Test mode: 11AC40MIMO

Test Channel:151

VERTICAL

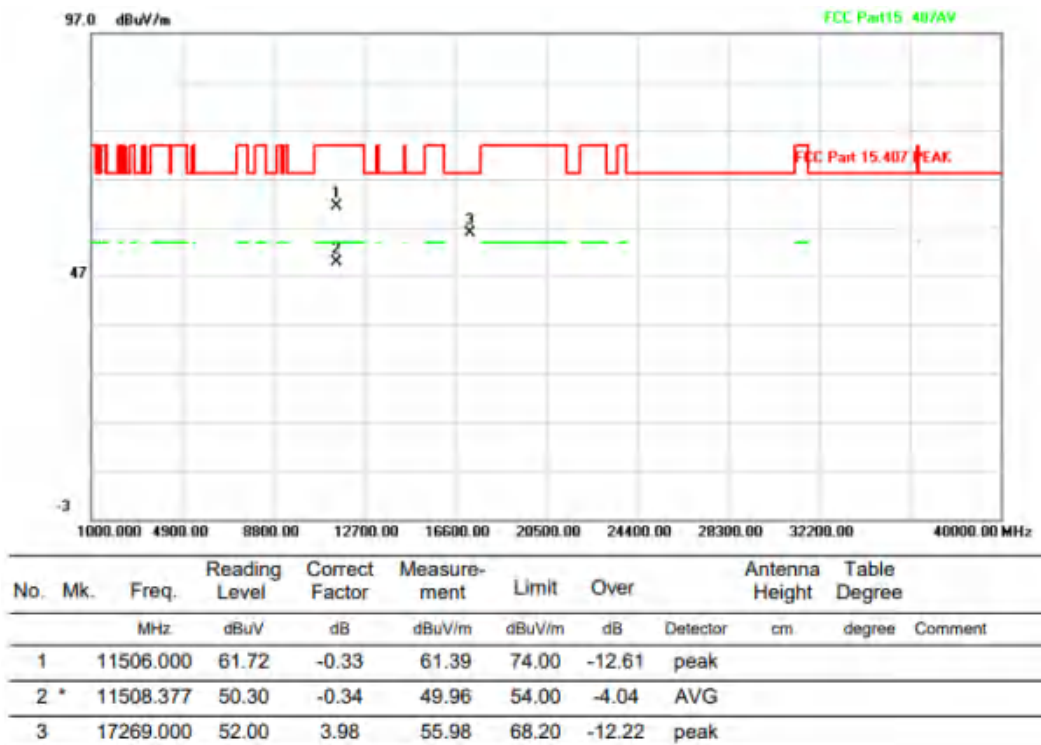
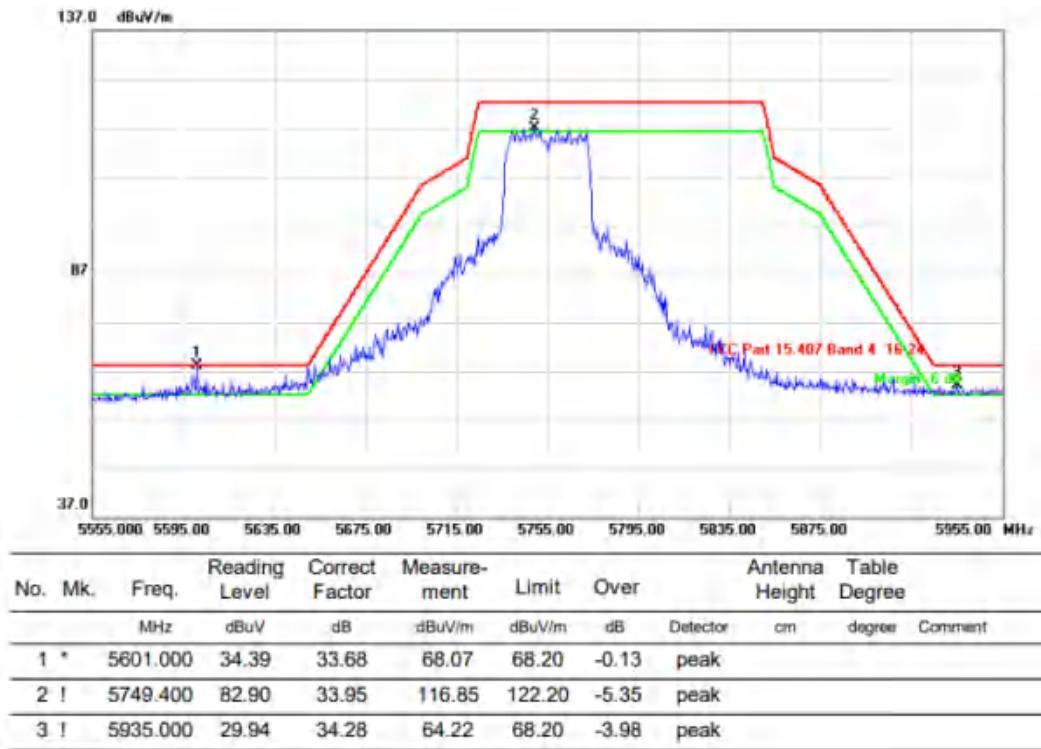


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | * | 5634.200 | 32.09 | 33.74 | 65.83 | 68.20 | -2.37 | peak | | |
| 2 | ! | 5741.400 | 83.54 | 33.93 | 117.47 | 122.20 | -4.73 | peak | | |
| 3 | ! | 5926.200 | 30.51 | 34.27 | 64.78 | 68.20 | -3.42 | peak | | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | | 11506.000 | 55.58 | -0.33 | 55.25 | 74.00 | -18.75 | peak | | |
| 2 | * | 11510.396 | 46.26 | -0.35 | 45.91 | 54.00 | -8.09 | AVG | | |
| 3 | | 17269.000 | 50.85 | 3.98 | 54.83 | 68.20 | -13.37 | peak | | |

HORIZONTAL

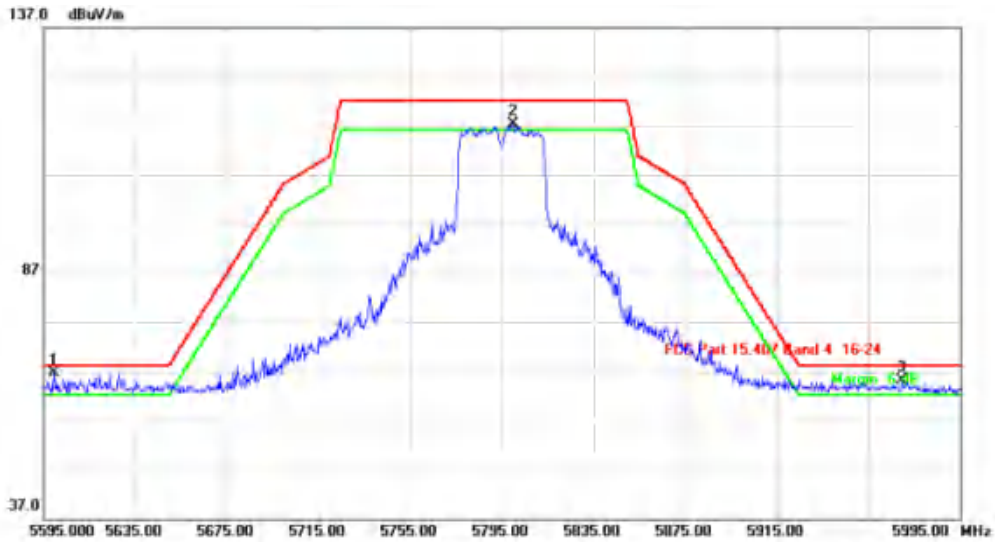


Above 1G (1GHz~40GHz)

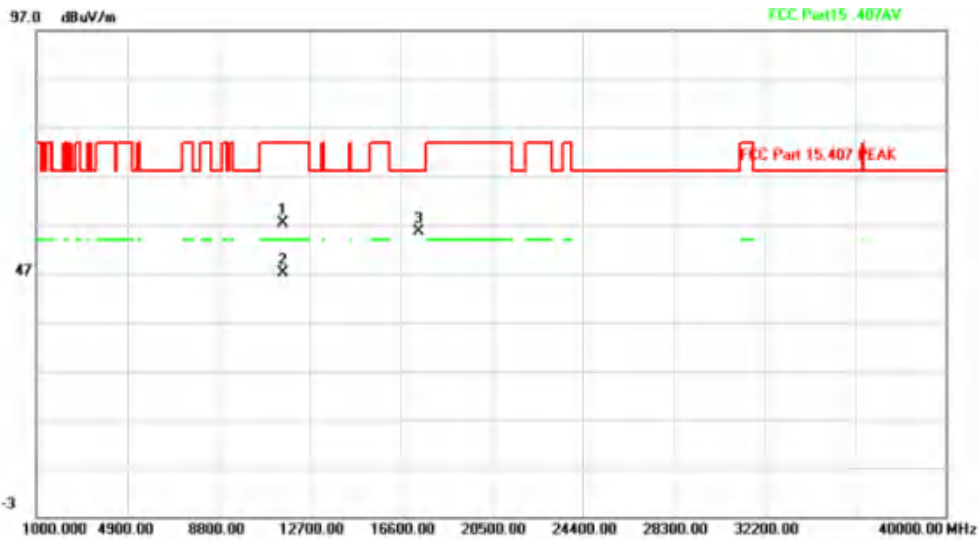
Test mode: 11AC40MIMO

Test Channel:159

VERTICAL

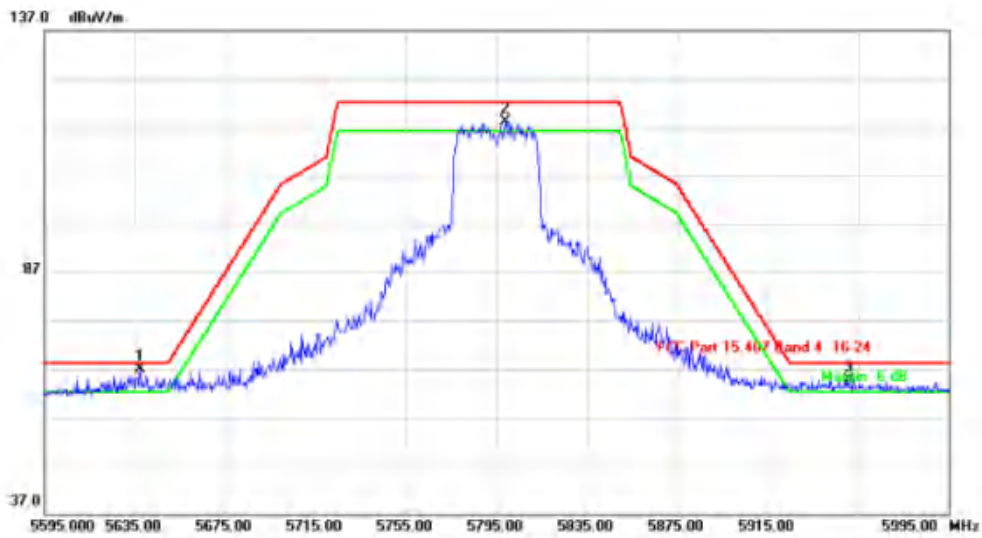


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 5599.400 | 32.90 | 33.68 | 66.58 | 68.20 | -1.62 | | | peak |
| 2 | ! | 5799.800 | 83.29 | 34.04 | 117.33 | 122.20 | -4.87 | | | peak |
| 3 | ! | 5969.800 | 30.76 | 34.35 | 65.11 | 68.20 | -3.09 | | | peak |

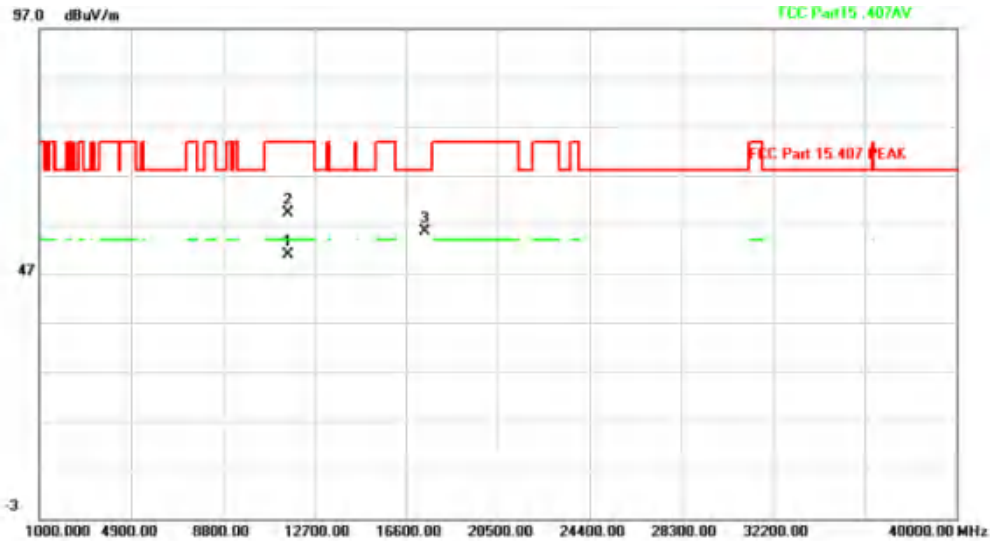


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11582.500 | 58.10 | -0.61 | 57.49 | 74.00 | -16.51 | | | peak |
| 2 | * | 11590.472 | 47.69 | -0.64 | 47.05 | 54.00 | -6.95 | | | AVG |
| 3 | | 17386.500 | 51.07 | 4.66 | 55.73 | 68.20 | -12.47 | | | peak |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 5637.400 | 33.03 | 33.75 | 66.78 | 68.20 | -1.42 | | | peak |
| 2 | ! | 5799.000 | 83.97 | 34.04 | 118.01 | 122.20 | -4.19 | | | peak |
| 3 | ! | 5951.000 | 30.37 | 34.31 | 64.68 | 68.20 | -3.52 | | | peak |



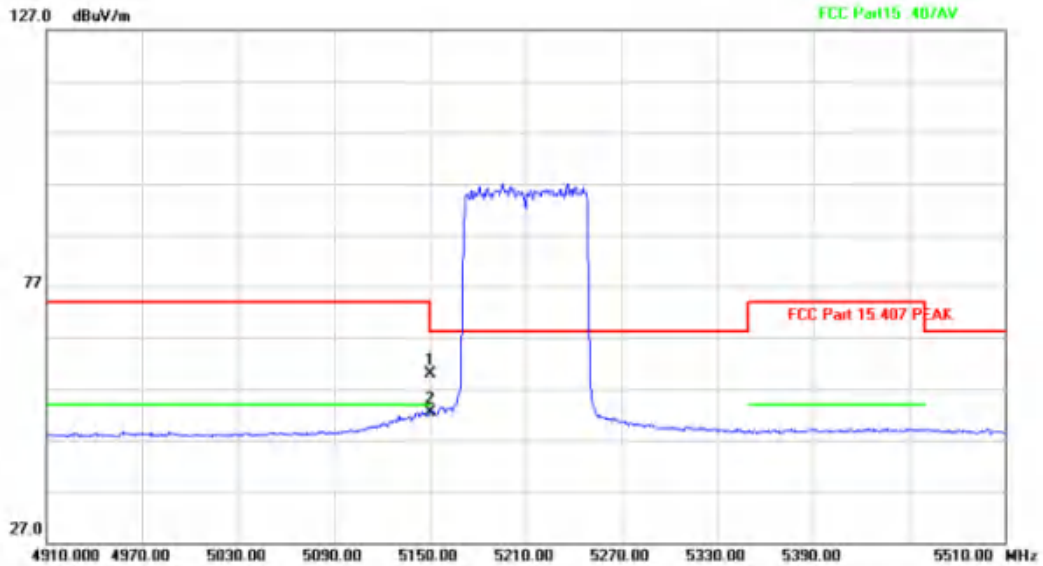
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11588.539 | 51.55 | -0.63 | 50.92 | 54.00 | -3.08 | | | AVG |
| 2 | | 11589.000 | 60.07 | -0.64 | 59.43 | 74.00 | -14.57 | | | peak |
| 3 | | 17386.500 | 51.09 | 4.66 | 55.75 | 68.20 | -12.45 | | | peak |

Above 1G (1GHz~40GHz)

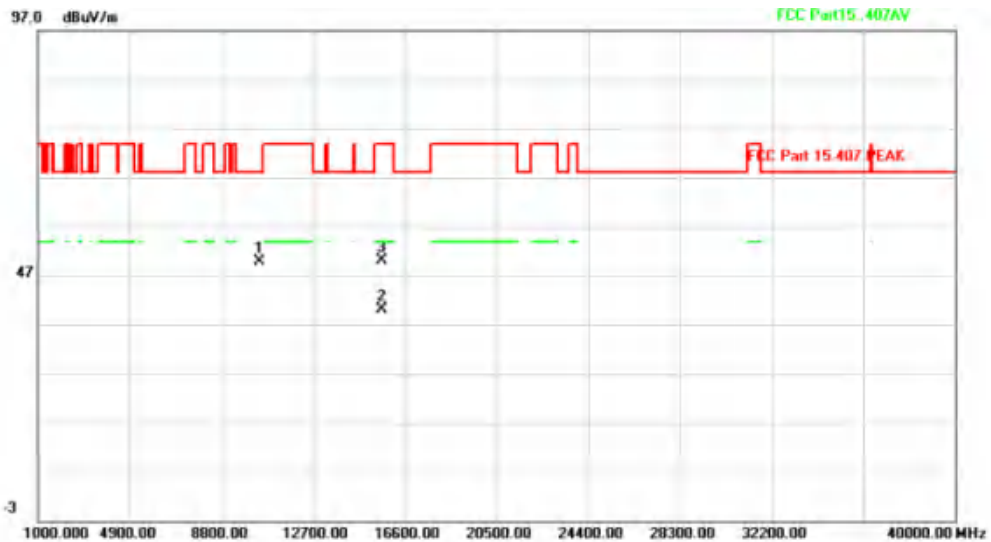
Test mode: 11AC80MIMO

Test Channel:42

VERTICAL

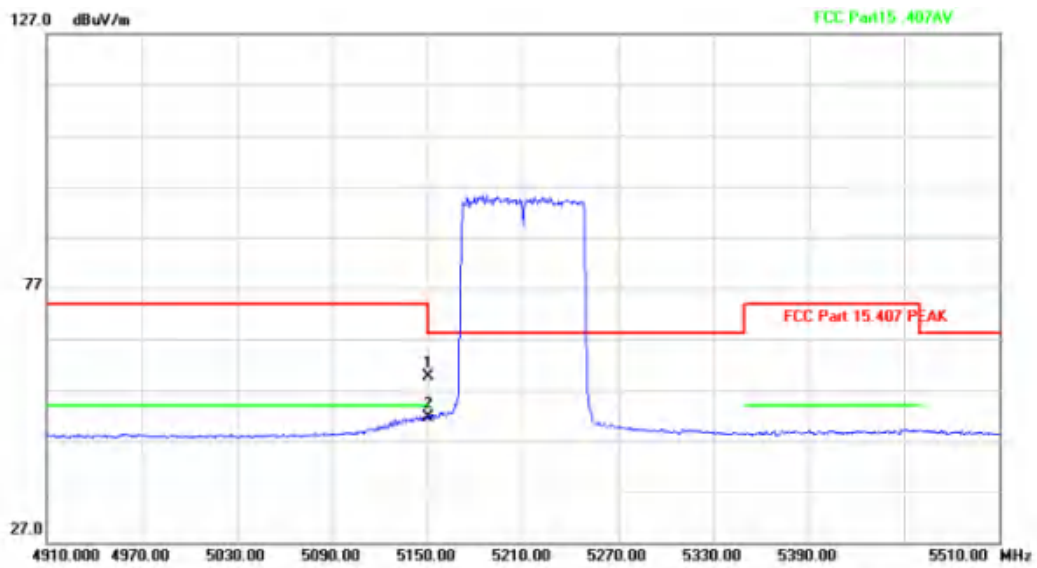


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5150.000 | 26.54 | 33.43 | 59.97 | 74.00 | -14.03 | | | peak |
| 2 | * | 5150.000 | 18.98 | 33.43 | 52.41 | 54.00 | -1.59 | | | AVG |

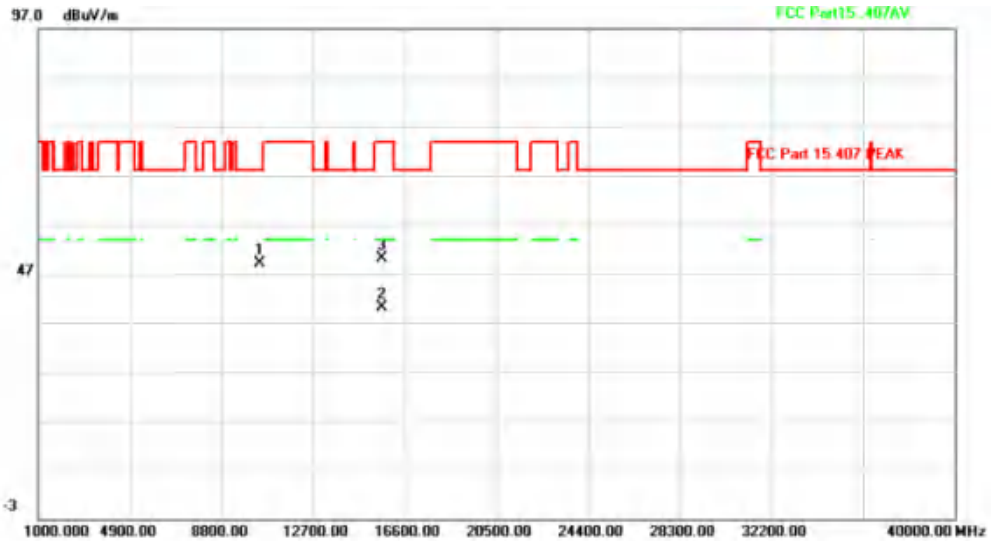


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10425.000 | 53.50 | -3.51 | 49.99 | 68.20 | -18.21 | | | peak |
| 2 | * | 15630.107 | 40.23 | -0.15 | 40.08 | 54.00 | -13.92 | | | AVG |
| 3 | | 15632.000 | 50.37 | -0.15 | 50.22 | 74.00 | -23.78 | | | peak |

HORIZONTALA

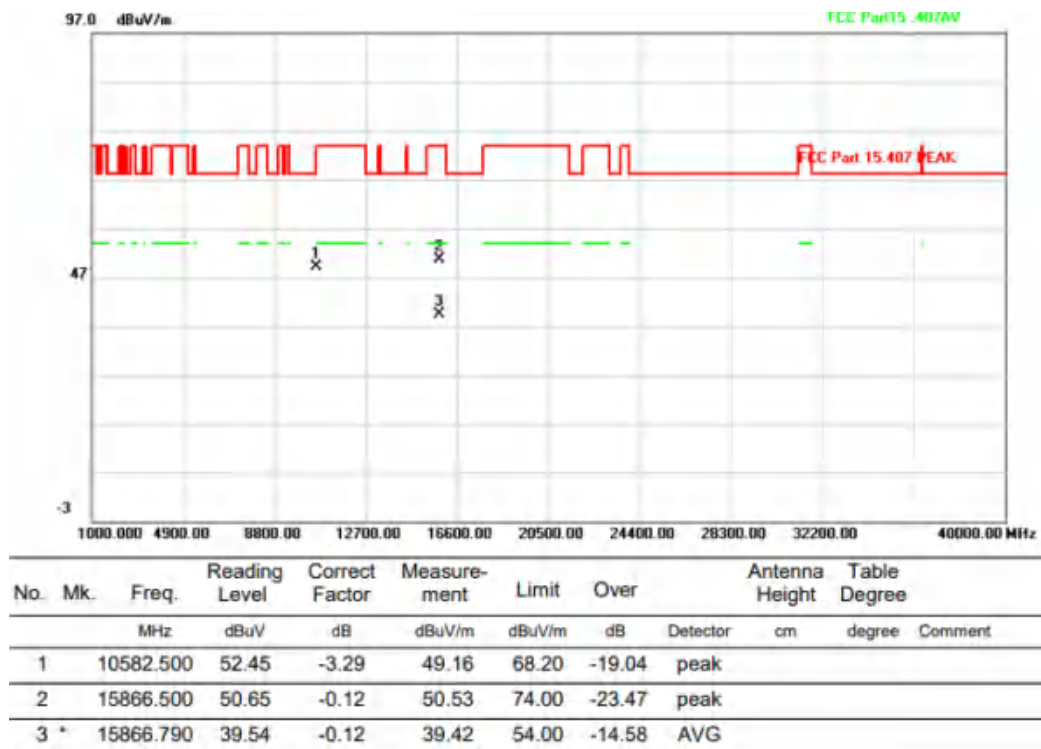
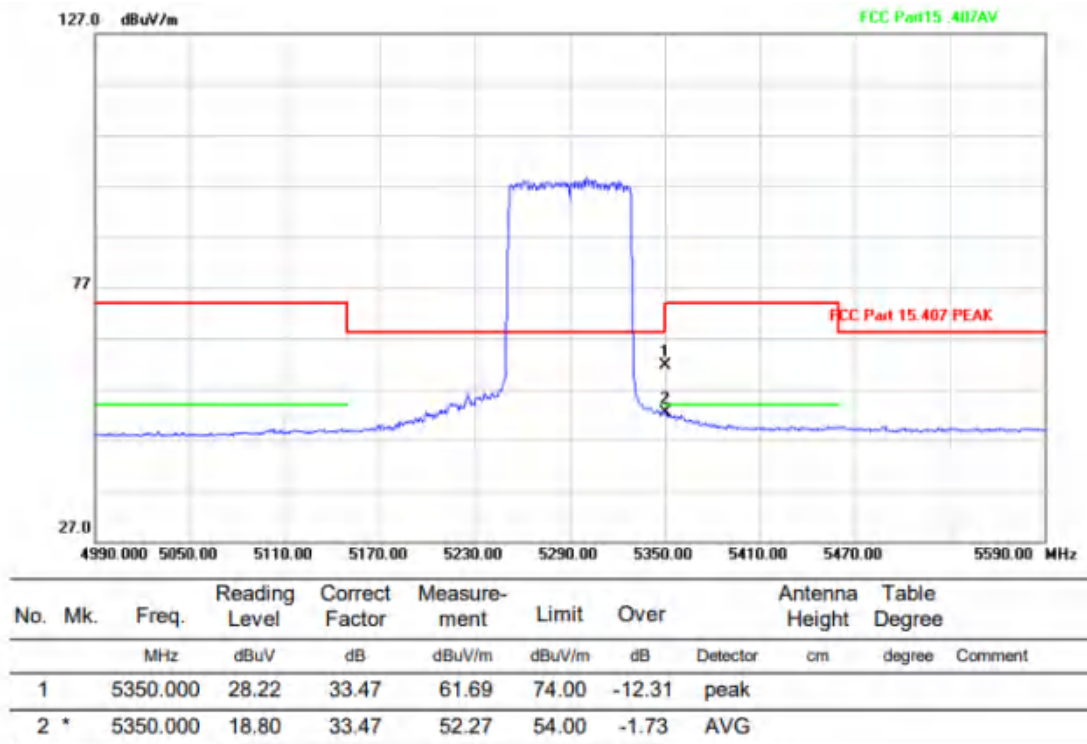


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5150.000 | 26.19 | 33.43 | 59.62 | 74.00 | -14.38 | | | peak |
| 2 * | | 5150.000 | 18.28 | 33.43 | 51.71 | 54.00 | -2.29 | | | AVG |

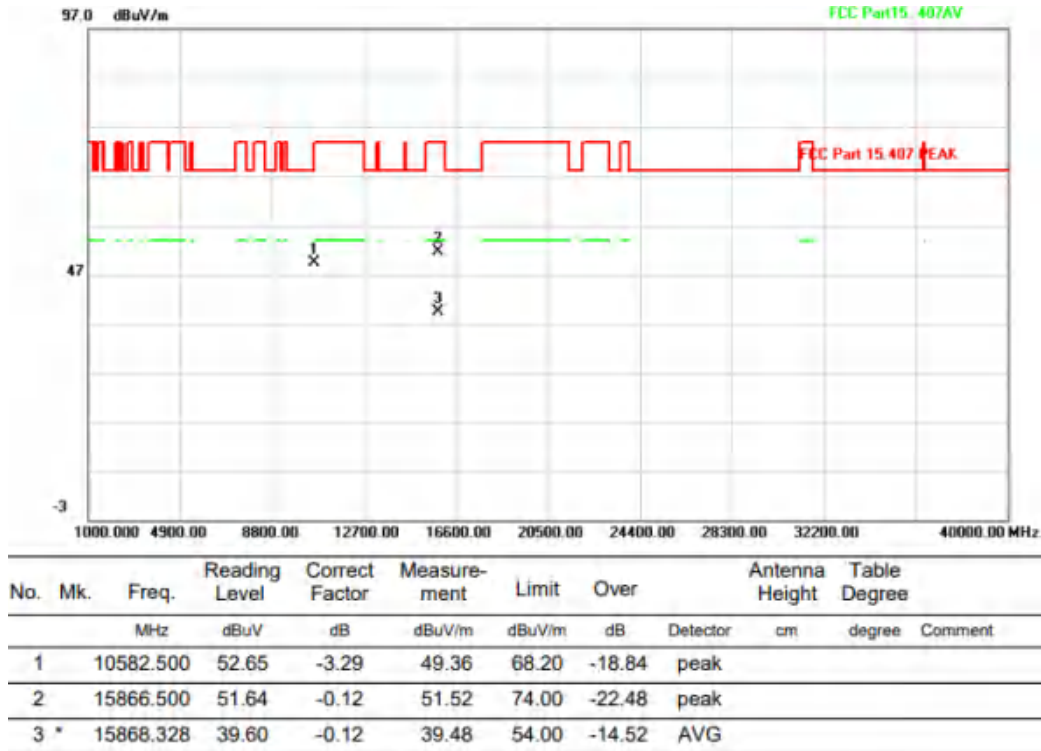


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10425.000 | 52.75 | -3.51 | 49.24 | 68.20 | -18.96 | | | peak |
| 2 * | | 15630.666 | 40.21 | -0.15 | 40.06 | 54.00 | -13.94 | | | AVG |
| 3 | | 15631.000 | 50.26 | -0.15 | 50.11 | 74.00 | -23.89 | | | peak |

VERTICAL



HORIZONTALA

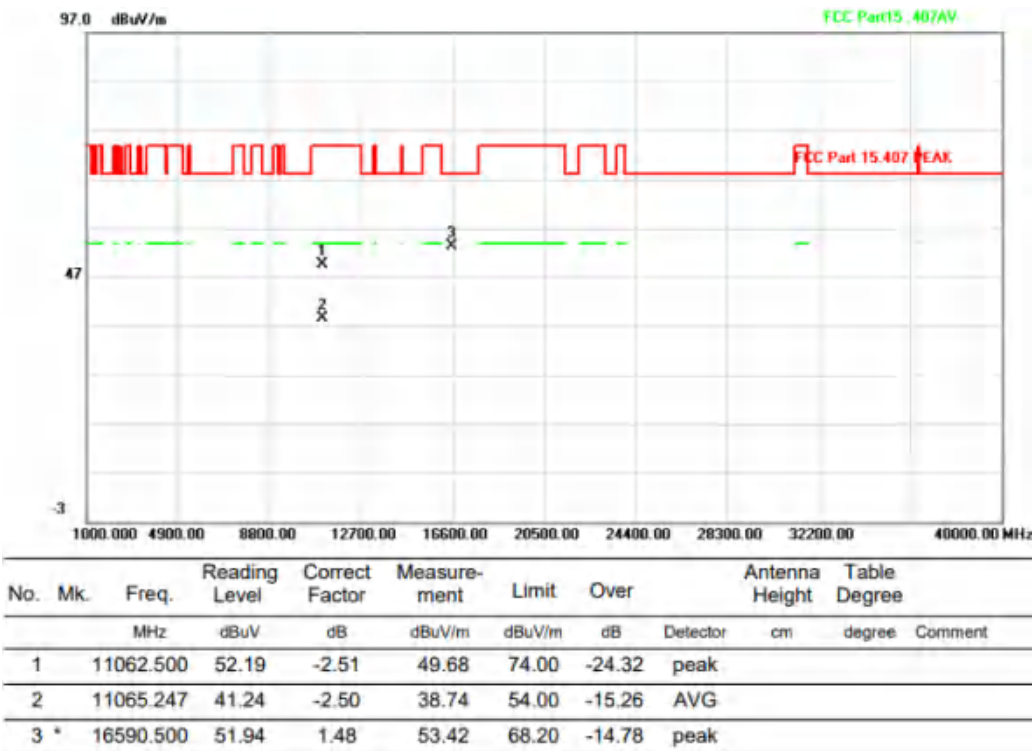
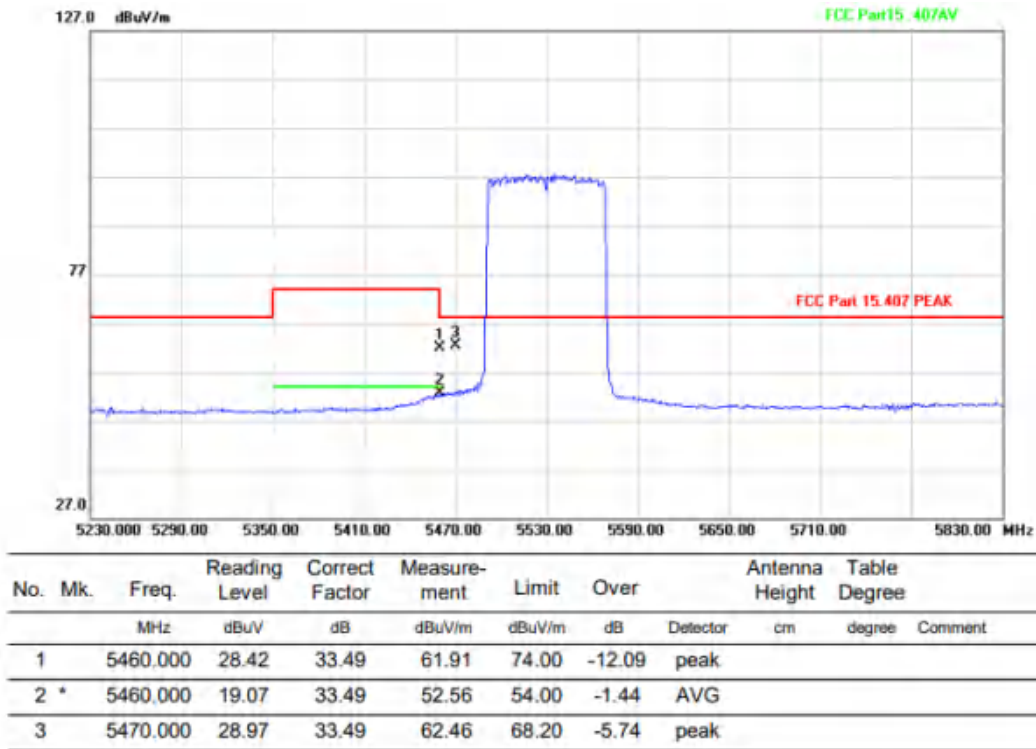


Above 1G (1GHz~40GHz)

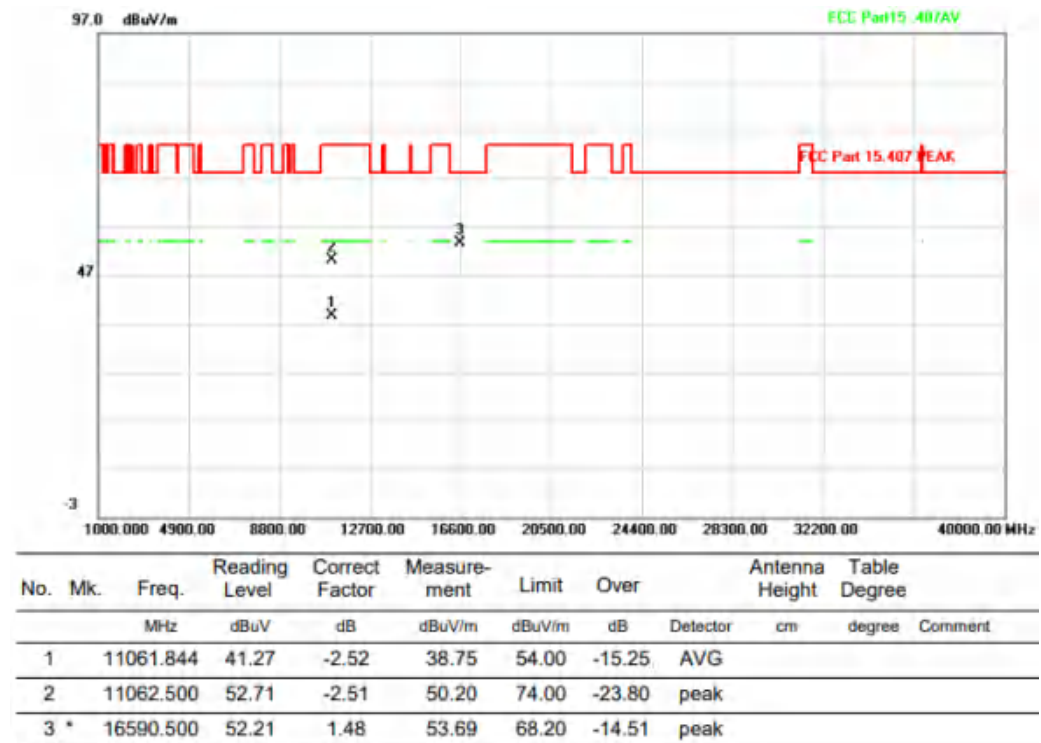
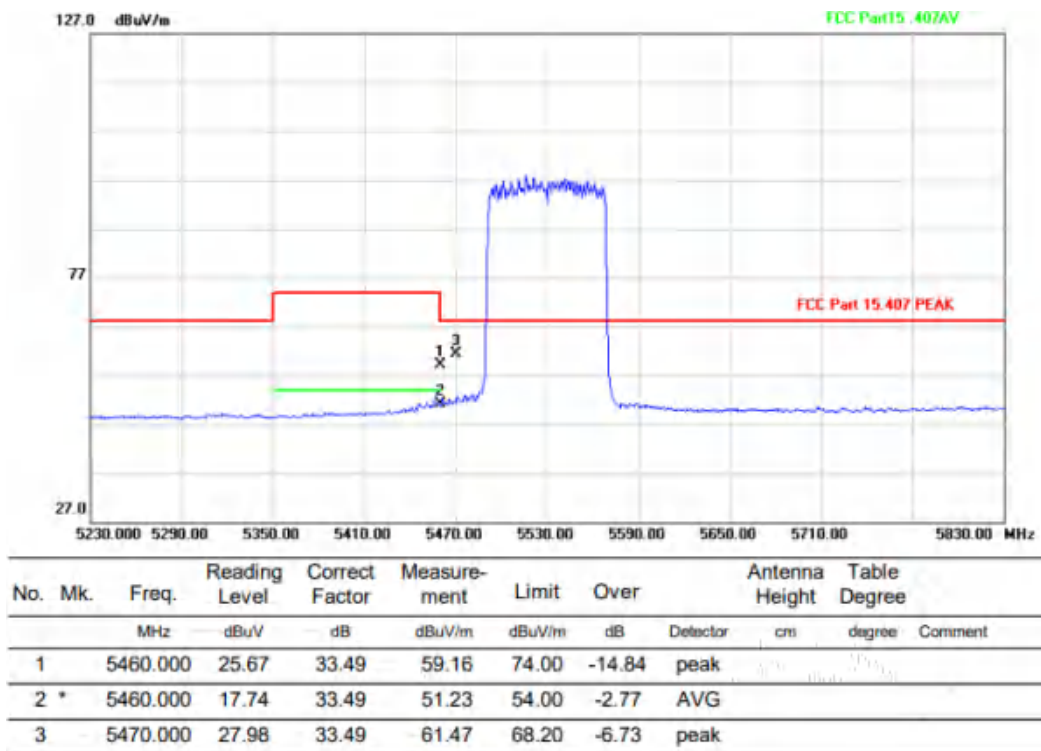
Test mode: 11AC80MIMO

Test Channel:106

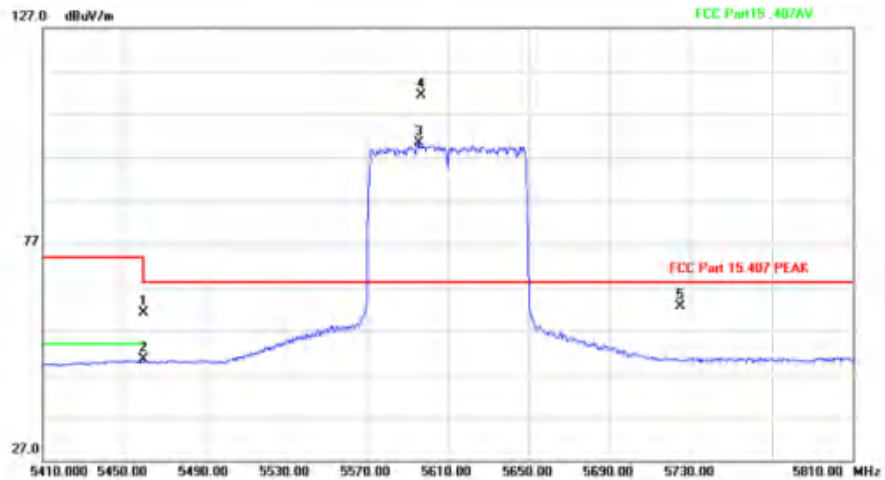
VERTICAL



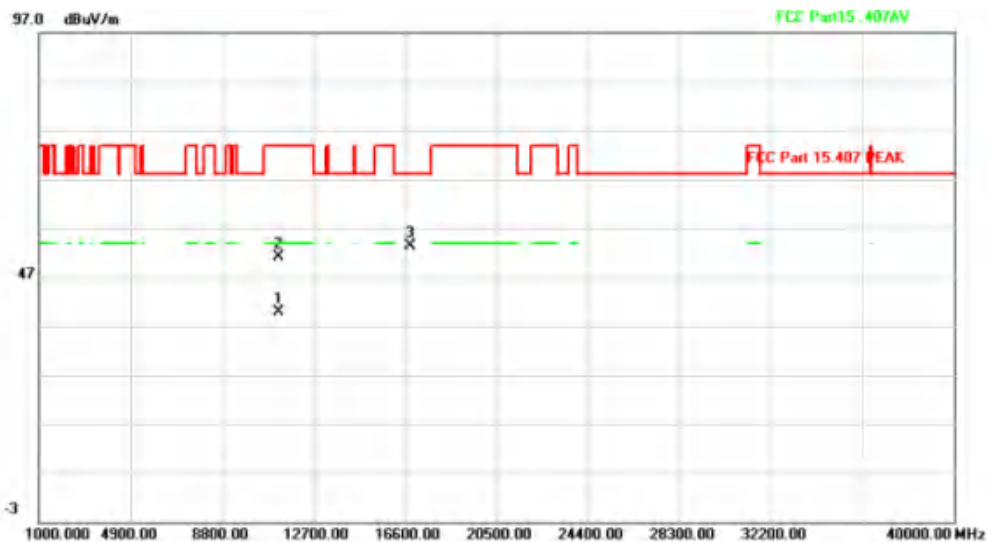
HORIZONTAL



VERTICAL

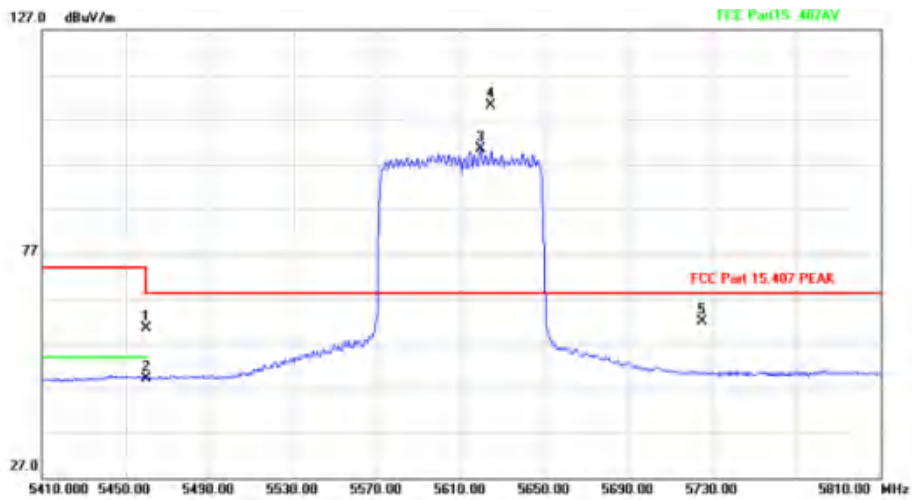


| No. | Mk | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 5460.000 | 27.61 | 33.49 | 61.10 | 74.00 | -12.90 | peak | |
| 2 | | 5460.000 | 16.79 | 33.49 | 50.28 | 54.00 | -3.72 | AVG | |
| 3 | X | 5595.600 | 66.62 | 33.67 | 100.29 | 68.20 | 32.09 | AVG | |
| 4 | * | 5596.810 | 77.63 | 33.67 | 111.30 | 68.20 | 43.10 | peak | |
| 5 | | 5725.000 | 28.64 | 33.91 | 62.55 | 68.20 | -5.65 | peak | |

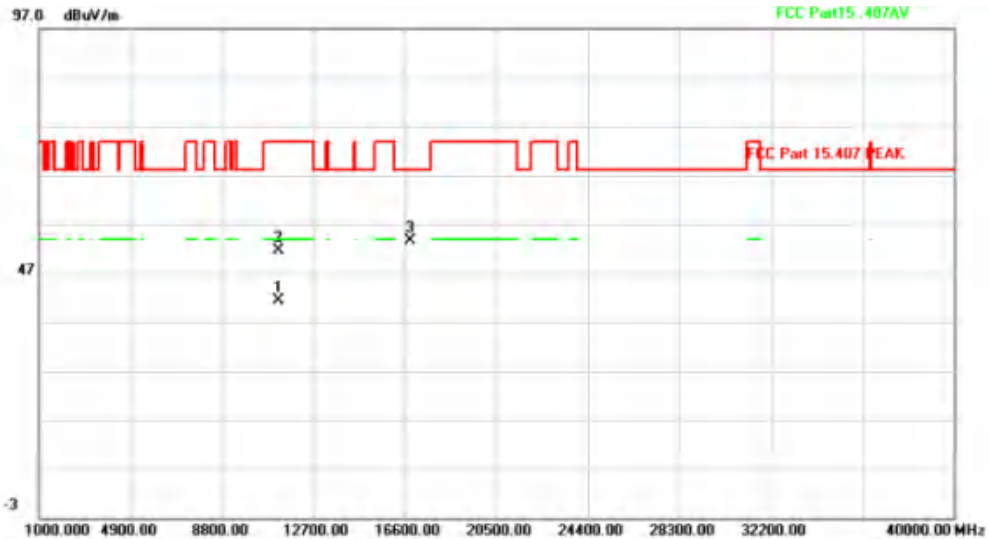


| No. | Mk | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | * | 11221.274 | 41.69 | -1.71 | 39.98 | 54.00 | -14.02 | AVG | |
| 2 | | 11225.500 | 52.91 | -1.69 | 51.22 | 74.00 | -22.78 | peak | |
| 3 | | 16835.500 | 51.21 | 2.05 | 53.26 | 68.20 | -14.94 | peak | |

HORIZONTAL

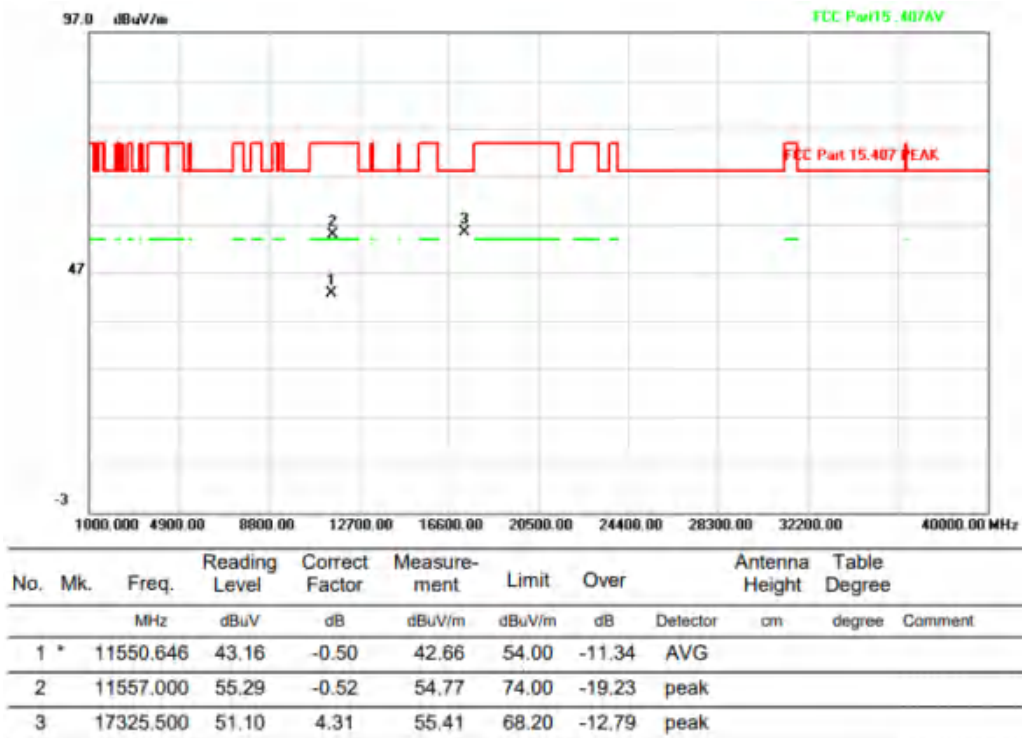
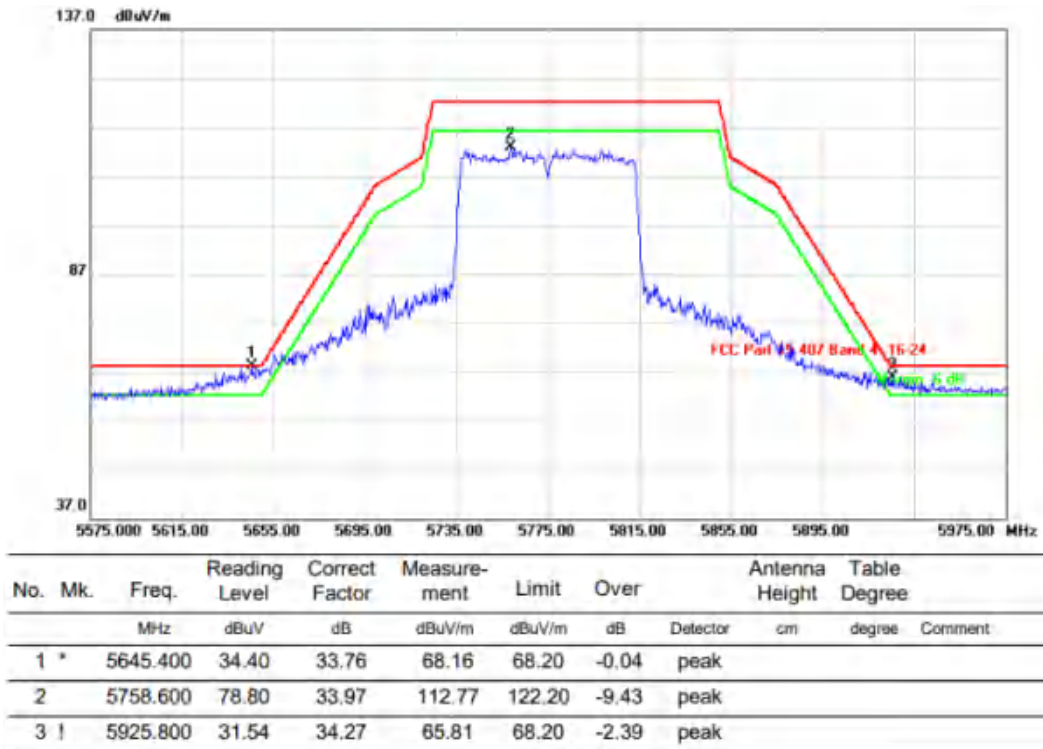


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5460.000 | 26.84 | 33.49 | 60.33 | 74.00 | -13.67 | peak | | |
| 2 | | 5460.000 | 15.75 | 33.49 | 49.24 | 54.00 | -4.76 | AVG | | |
| 3 | X | 5619.200 | 66.57 | 33.71 | 100.28 | 68.20 | 32.08 | AVG | | |
| 4 | * | 5623.990 | 76.41 | 33.72 | 110.13 | 68.20 | 41.93 | peak | | |
| 5 | | 5725.000 | 28.02 | 33.91 | 61.93 | 68.20 | -6.27 | peak | | |

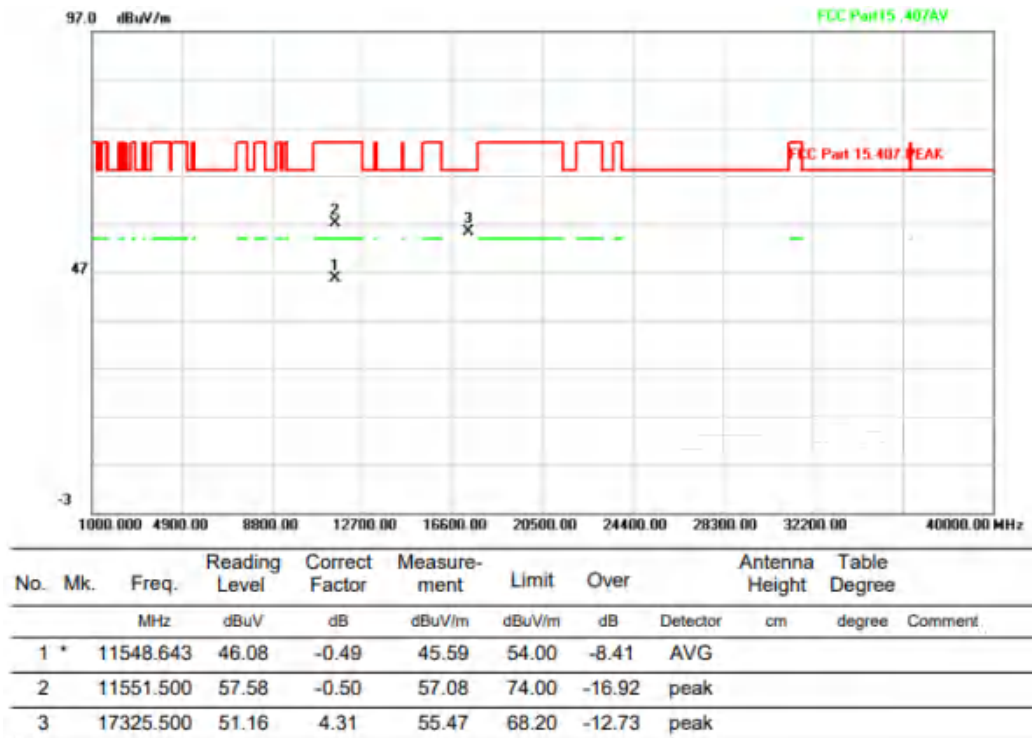
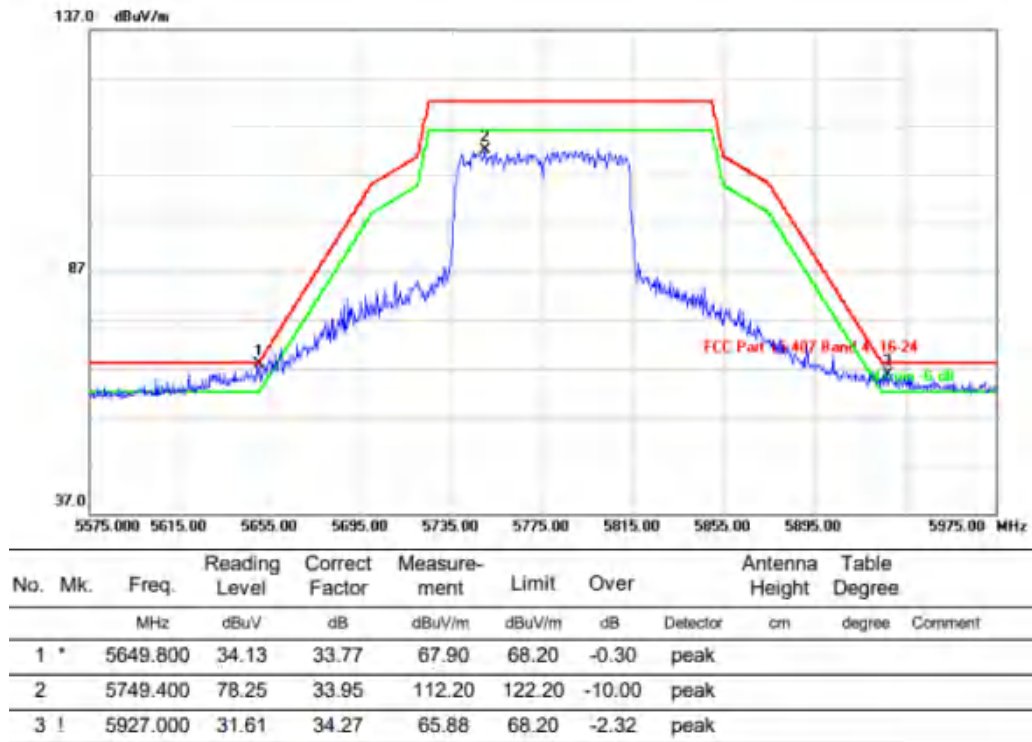


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11222.477 | 43.01 | -1.71 | 41.30 | 54.00 | -12.70 | AVG | | |
| 2 | | 11225.500 | 53.27 | -1.69 | 51.58 | 74.00 | -22.42 | peak | | |
| 3 | | 16835.500 | 51.49 | 2.05 | 53.54 | 68.20 | -14.66 | peak | | |

VERTICAL



HORIZONTAL

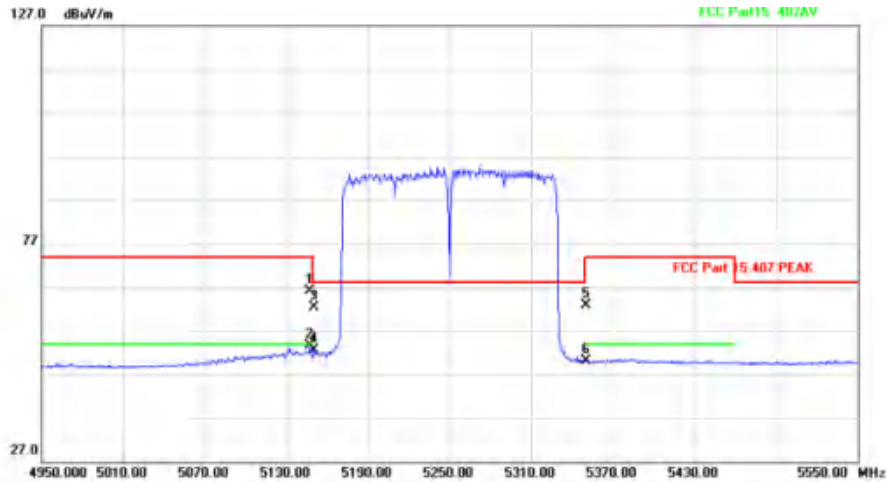


Above 1G (1GHz~40GHz)

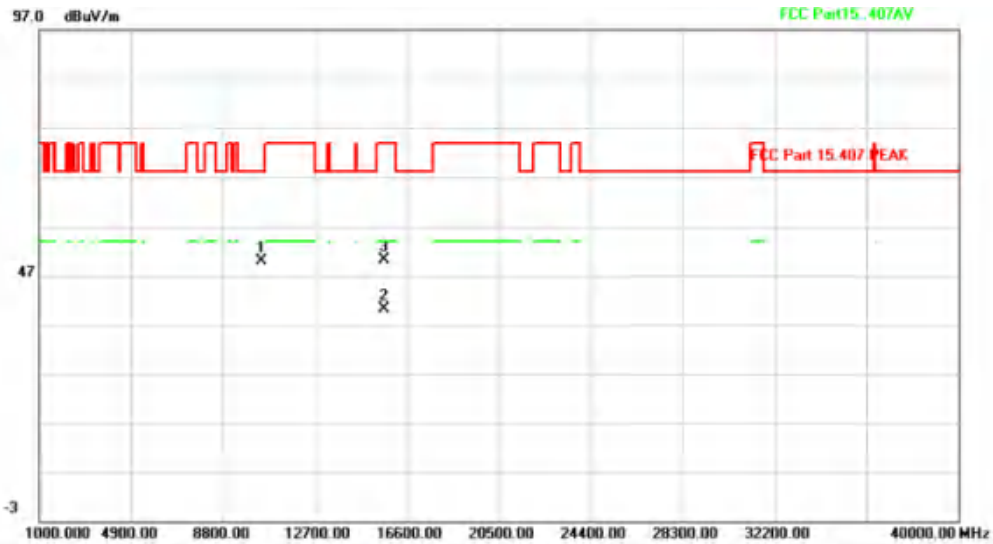
Test mode: 11AC160MIMO

Test Channel:50

VERTICAL

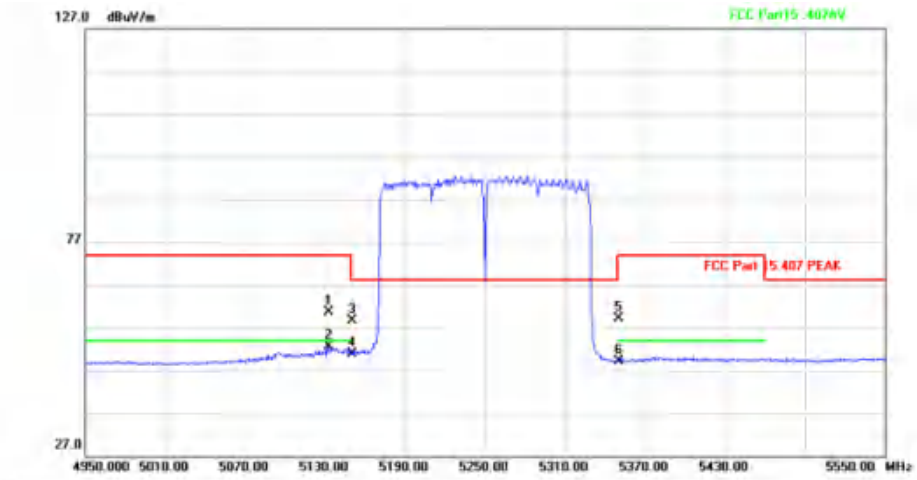


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 5146.800 | 32.72 | 33.43 | 66.15 | 74.00 | -7.85 | peak | |
| 2 * | | 5146.800 | 20.14 | 33.43 | 53.57 | 54.00 | -0.43 | AVG | |
| 3 | | 5150.000 | 28.99 | 33.43 | 62.42 | 74.00 | -11.58 | peak | |
| 4 | | 5150.000 | 19.26 | 33.43 | 52.69 | 54.00 | -1.31 | AVG | |
| 5 | | 5350.000 | 29.35 | 33.47 | 62.82 | 74.00 | -11.18 | peak | |
| 6 | | 5350.000 | 16.74 | 33.47 | 50.21 | 54.00 | -3.79 | AVG | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 10425.000 | 53.50 | -3.51 | 49.99 | 68.20 | -18.21 | peak | |
| 2 * | | 15630.107 | 40.23 | -0.15 | 40.08 | 54.00 | -13.92 | AVG | |
| 3 | | 15632.000 | 50.37 | -0.15 | 50.22 | 74.00 | -23.78 | peak | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 5132.400 | 27.10 | 33.43 | 60.53 | 74.00 | -13.47 | peak | |
| 2 | * | 5132.400 | 19.23 | 33.43 | 52.66 | 54.00 | -1.34 | AVG | |
| 3 | | 5150.000 | 25.22 | 33.43 | 58.65 | 74.00 | -15.35 | peak | |
| 4 | | 5150.000 | 17.35 | 33.43 | 50.78 | 54.00 | -3.22 | AVG | |
| 5 | | 5350.000 | 25.77 | 33.47 | 59.24 | 74.00 | -14.76 | peak | |
| 6 | | 5350.000 | 15.77 | 33.47 | 49.24 | 54.00 | -4.76 | AVG | |



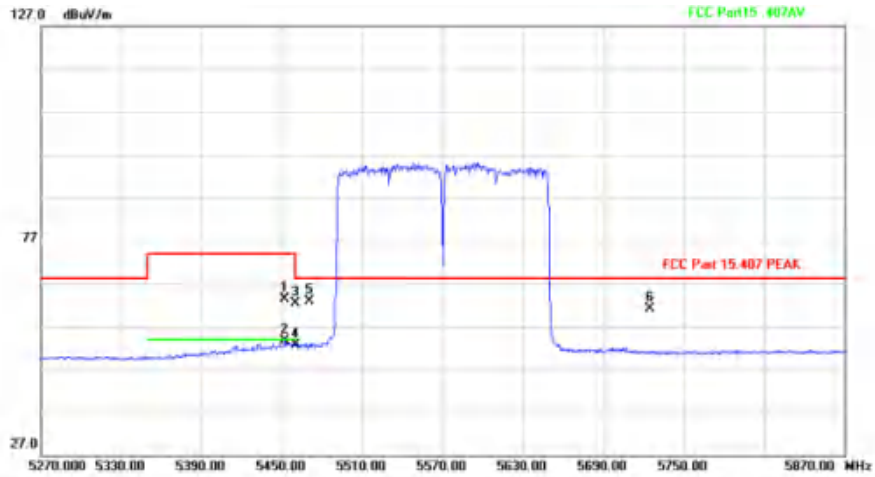
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 10501.500 | 51.97 | -3.38 | 48.59 | 68.20 | -19.61 | peak | |
| 2 | | 15754.500 | 51.80 | -0.13 | 51.67 | 74.00 | -22.33 | peak | |
| 3 | * | 15755.449 | 39.30 | -0.13 | 39.17 | 54.00 | -14.83 | AVG | |

Above 1G (1GHz~40GHz)

Test mode: 11AC160MIMO

Test Channel:114

VERTICAL

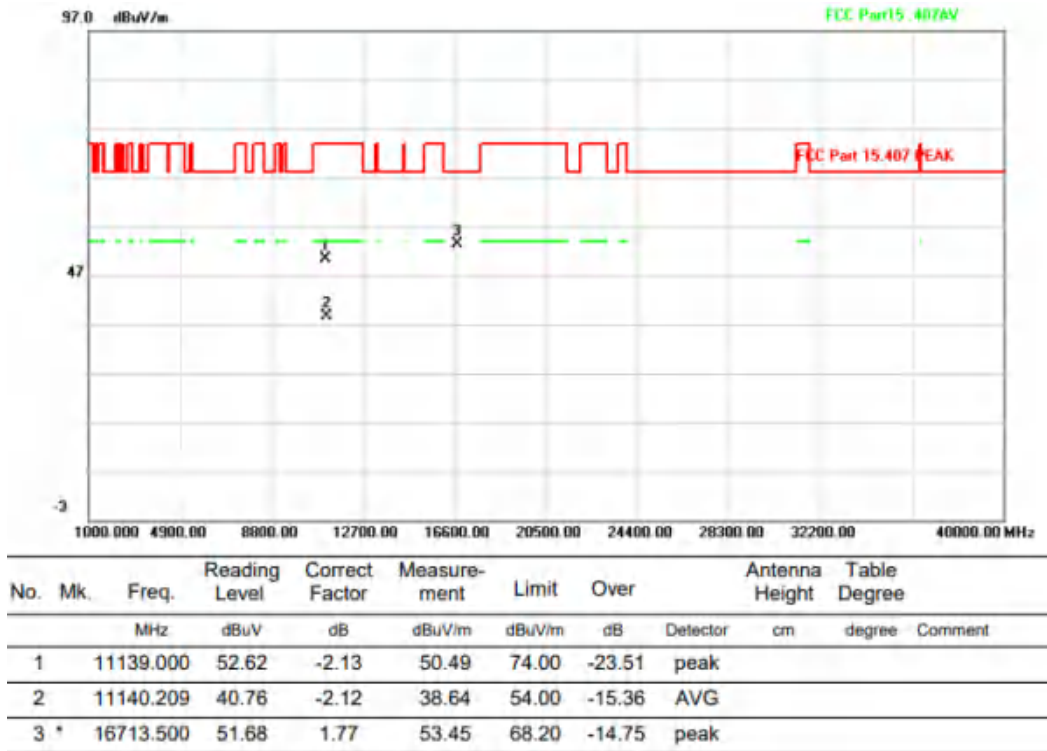
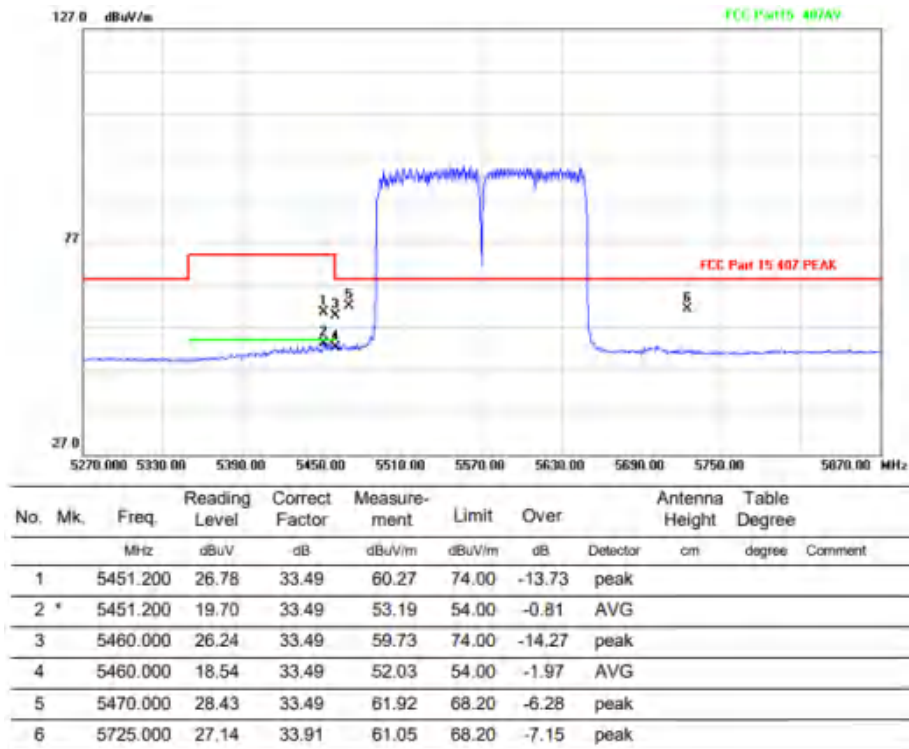


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5451.800 | 29.86 | 33.49 | 63.35 | 74.00 | -10.65 | | | peak |
| 2 | * | 5451.800 | 20.12 | 33.49 | 53.61 | 54.00 | -0.39 | | | AVG |
| 3 | | 5460.000 | 28.86 | 33.49 | 62.35 | 74.00 | -11.65 | | | peak |
| 4 | | 5460.000 | 19.06 | 33.49 | 52.55 | 54.00 | -1.45 | | | AVG |
| 5 | | 5470.000 | 29.32 | 33.49 | 62.81 | 68.20 | -5.39 | | | peak |
| 6 | | 5725.000 | 27.11 | 33.91 | 61.02 | 68.20 | -7.18 | | | peak |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11139.000 | 51.65 | -2.13 | 49.52 | 74.00 | -24.48 | | | peak |
| 2 | | 11141.248 | 40.19 | -2.12 | 38.07 | 54.00 | -15.93 | | | AVG |
| 3 | * | 16713.500 | 51.90 | 1.77 | 53.67 | 68.20 | -14.53 | | | peak |

HORIZONTAL

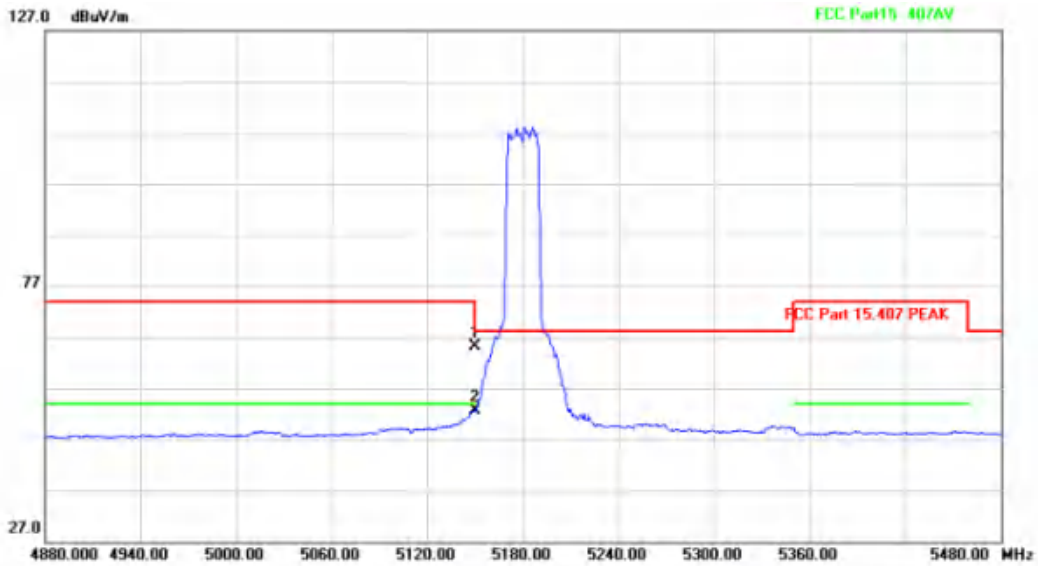


Above 1G (1GHz~40GHz)

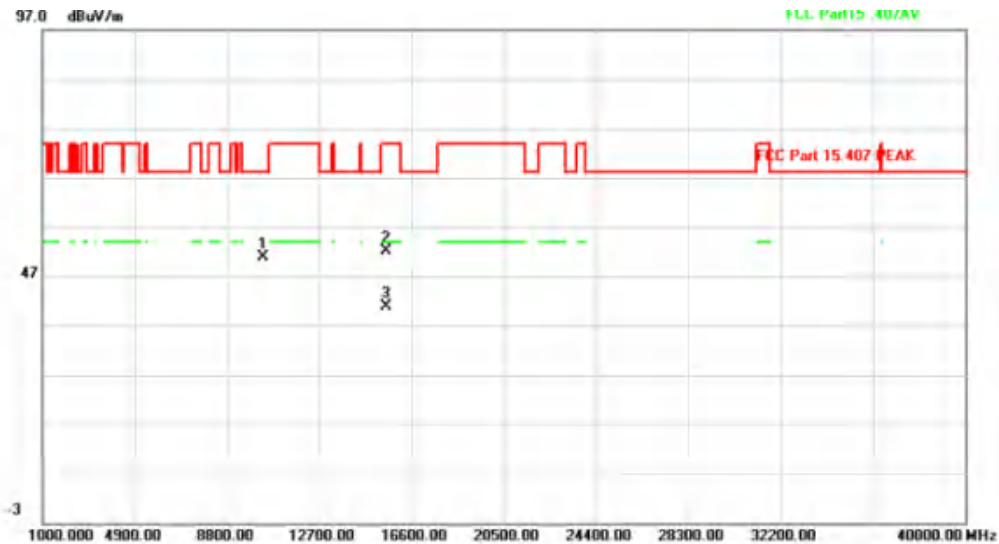
Test mode: 11AX20MIMO

Test Channel:36

VERTICAL

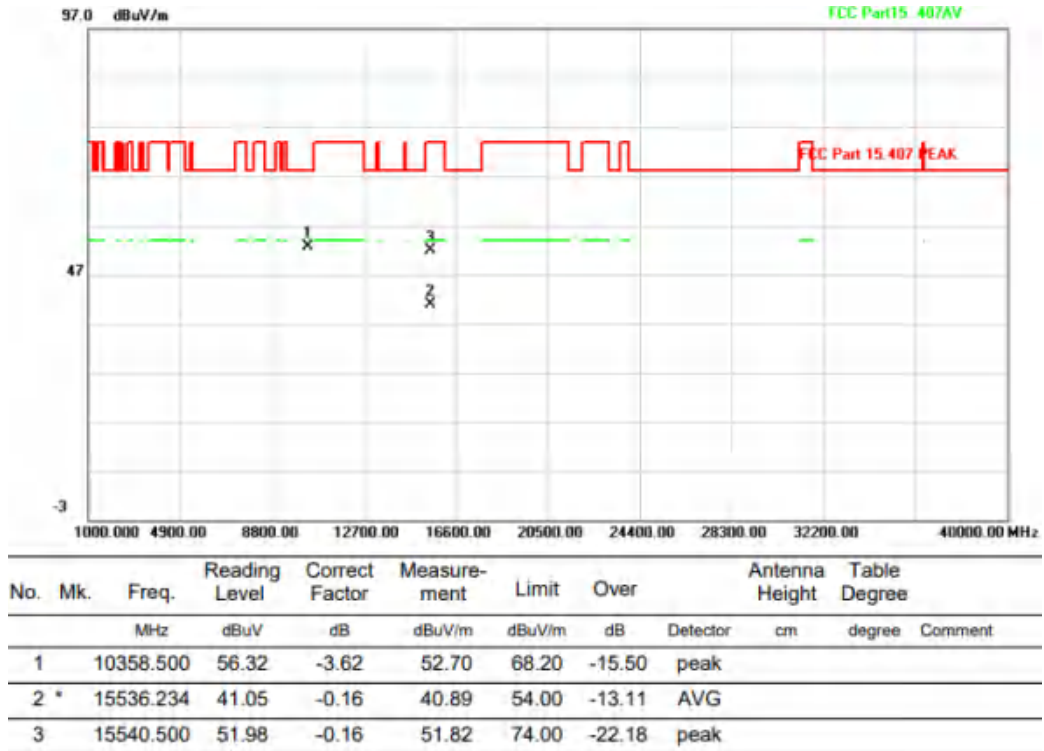
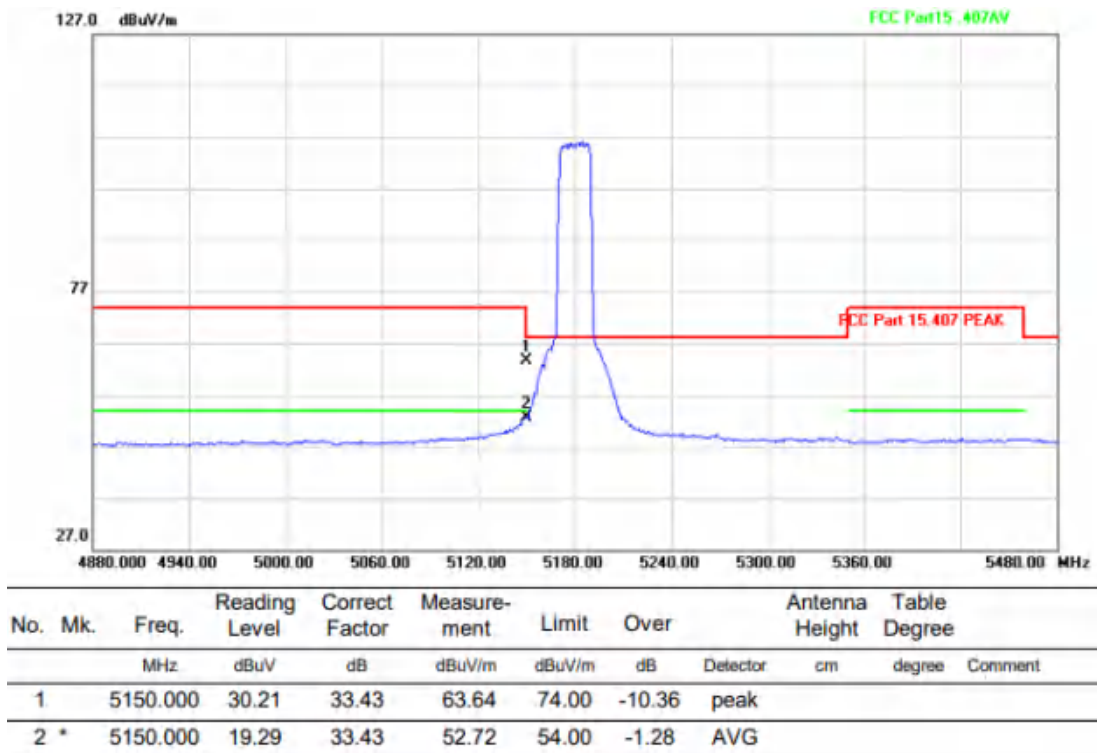


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 5150.000 | 31.72 | 33.43 | 65.15 | 74.00 | -8.85 | peak | |
| 2 * | | 5150.000 | 19.27 | 33.43 | 52.70 | 54.00 | -1.30 | AVG | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 10358.500 | 54.47 | -3.62 | 50.85 | 68.20 | -17.35 | peak | |
| 2 | | 15540.500 | 52.38 | -0.16 | 52.22 | 74.00 | -21.78 | peak | |
| 3 * | | 15542.058 | 41.11 | -0.16 | 40.95 | 54.00 | -13.05 | AVG | |

HORIZONTALA

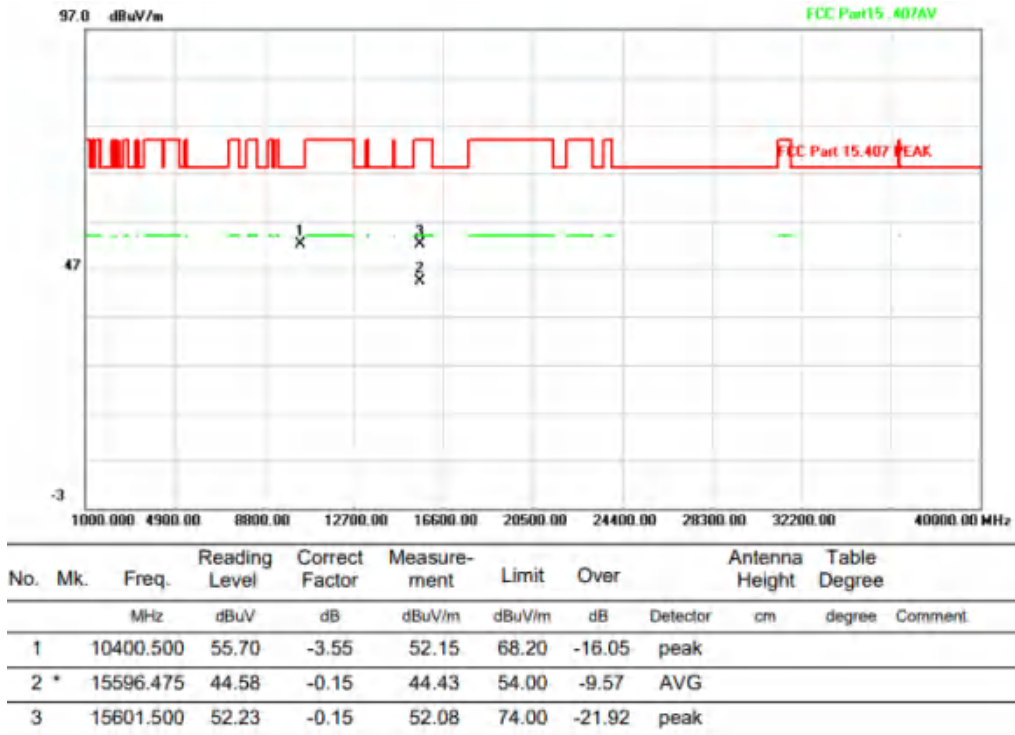


Above 1G (1GHz~40GHz)

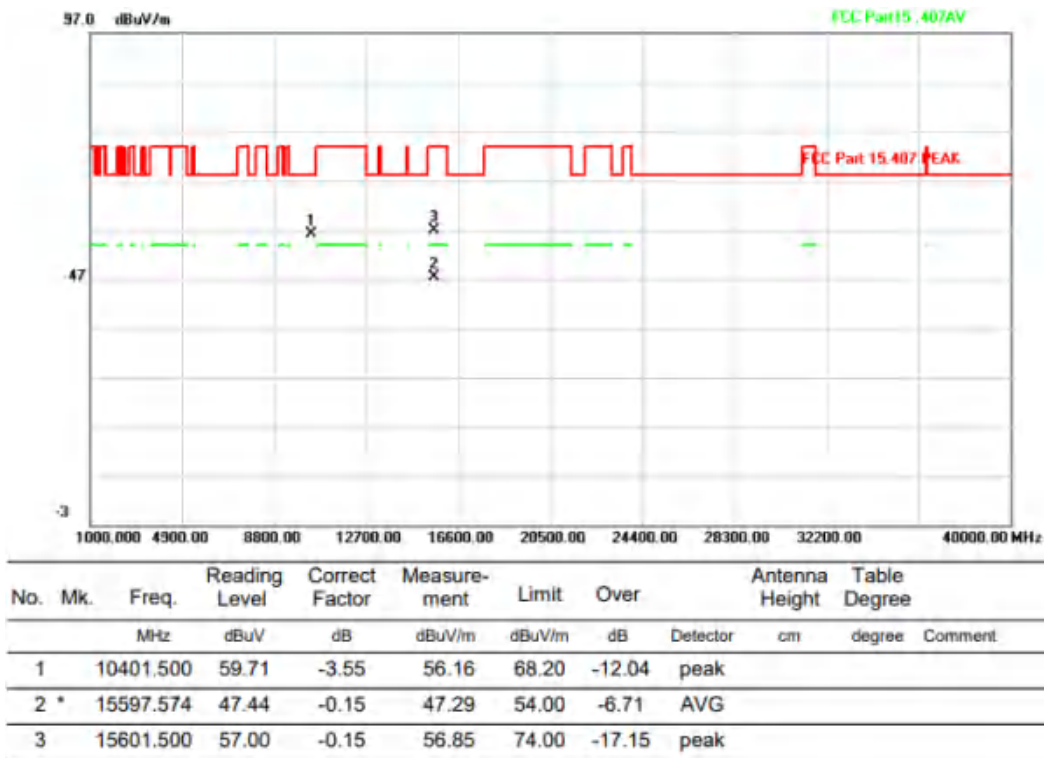
Test mode: 11AX20MIMO

Test Channel:40

VERTICAL



HORIZONTAL

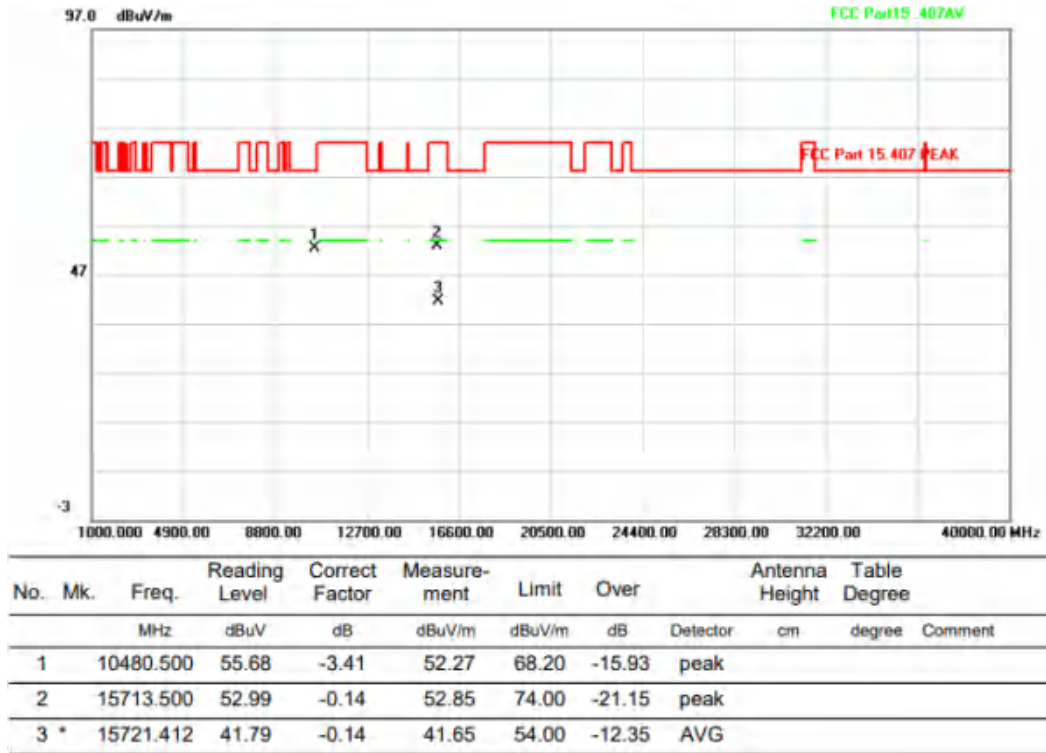


Above 1G (1GHz~40GHz)

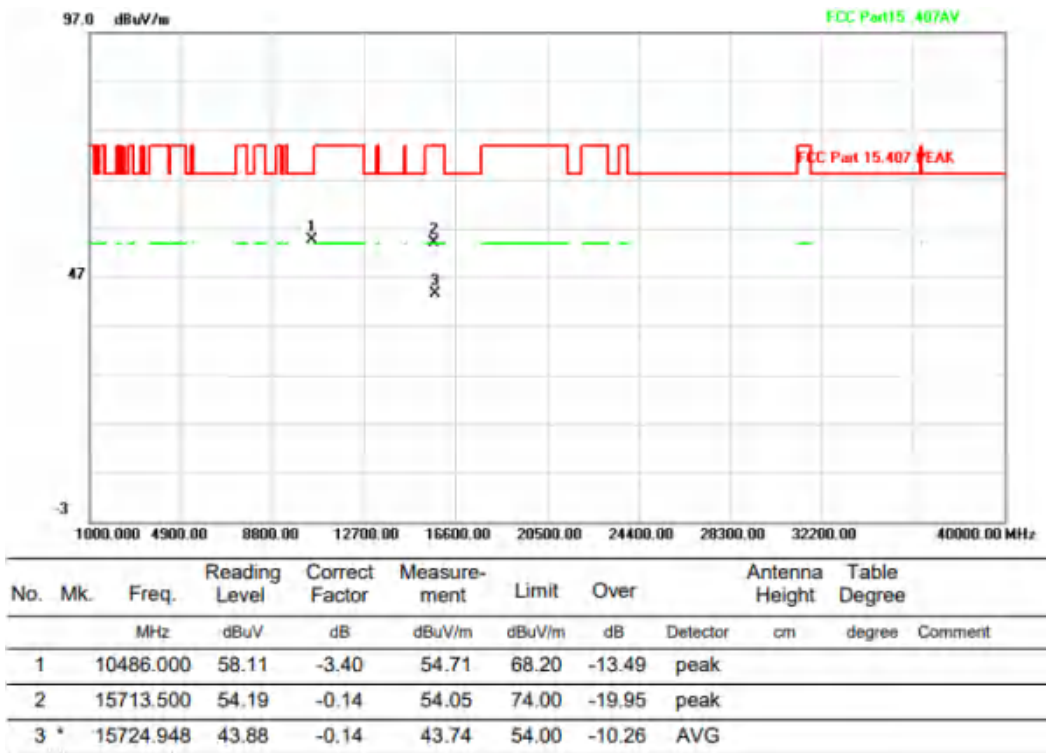
Test mode: 11AX20MIMO

Test Channel:48

VERTICAL



HORIZONTAL

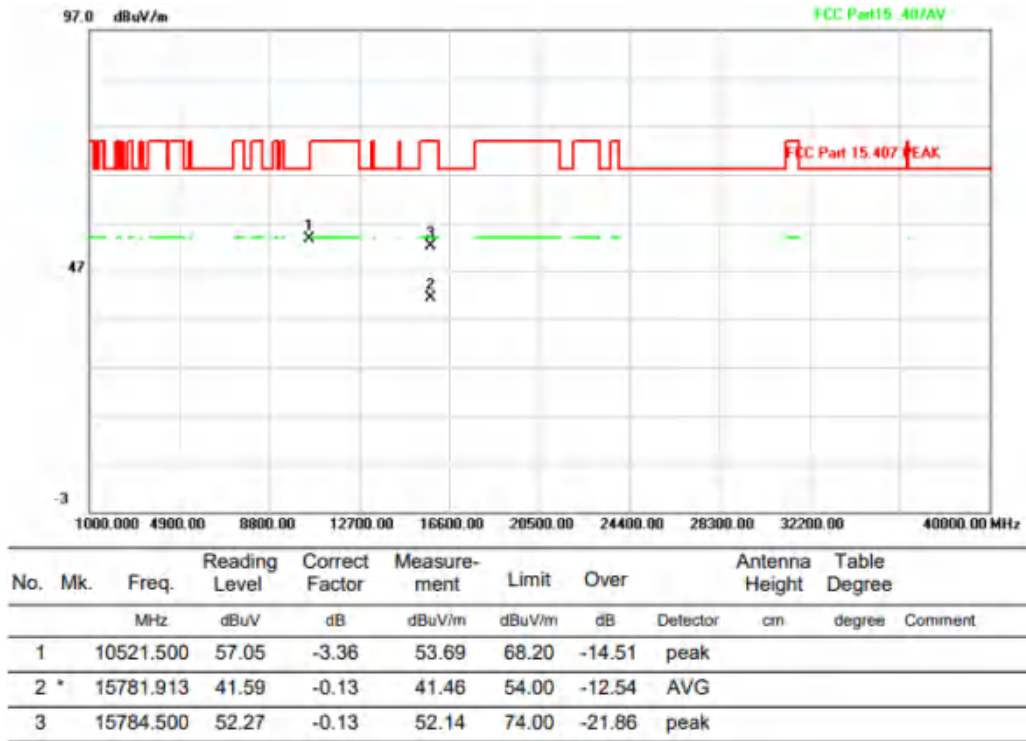


Above 1G (1GHz~40GHz)

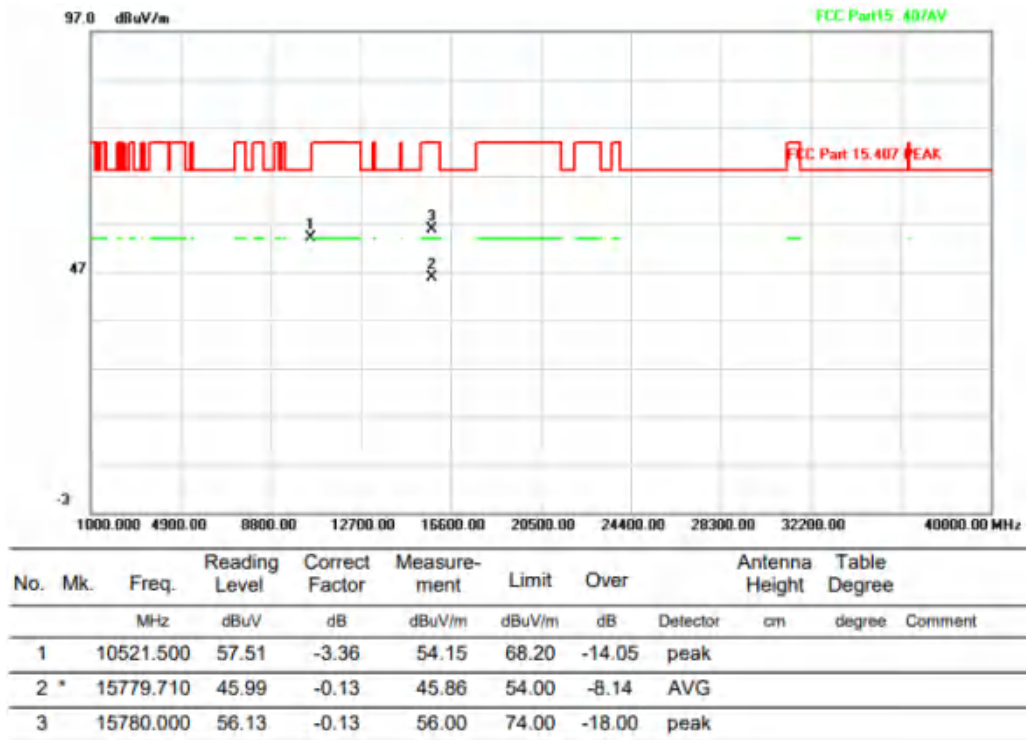
Test mode: 11AX20MIMO

Test Channel:52

VERTICAL



HORIZONTAL

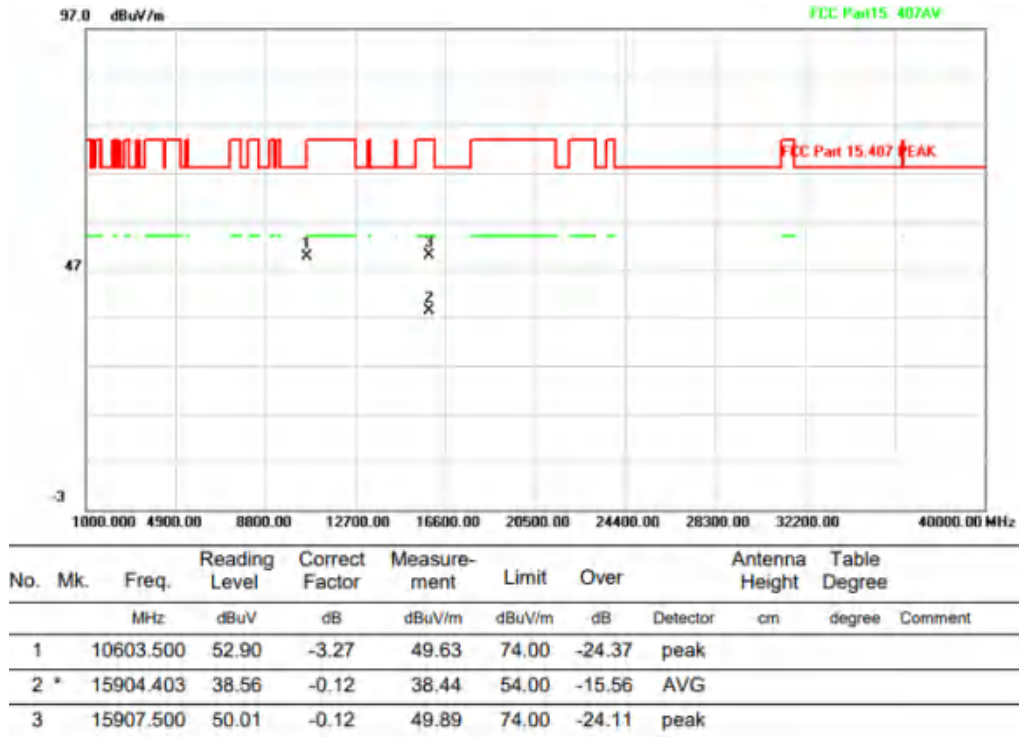


Above 1G (1GHz~40GHz)

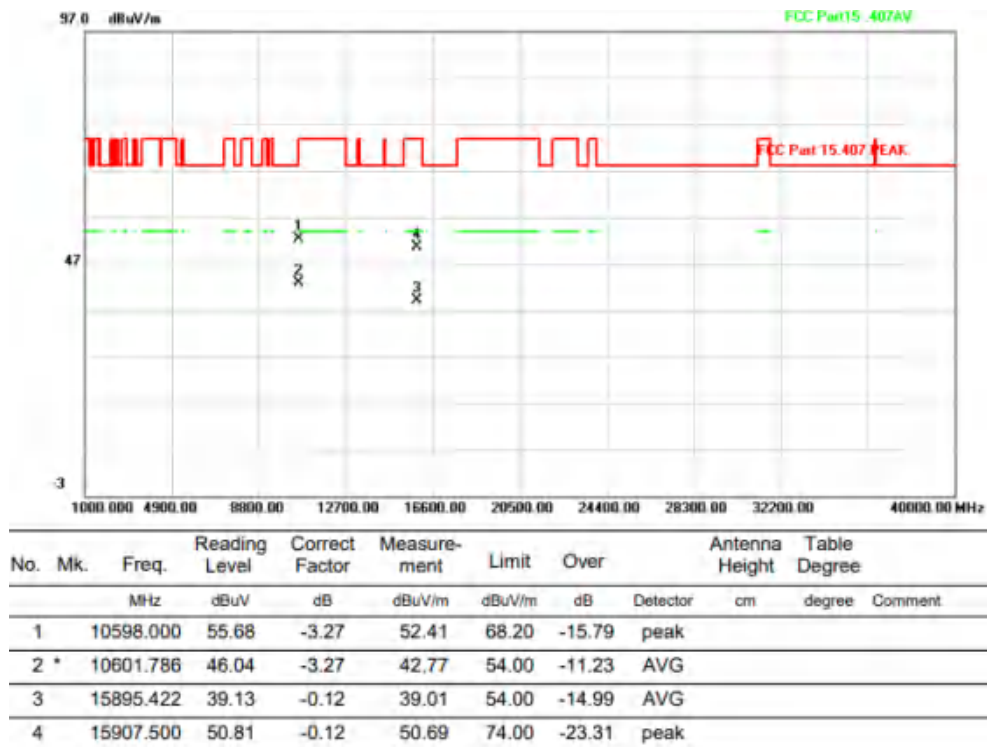
Test mode: 11AX20MIMO

Test Channel:60

VERTICAL



HORIZONTAL

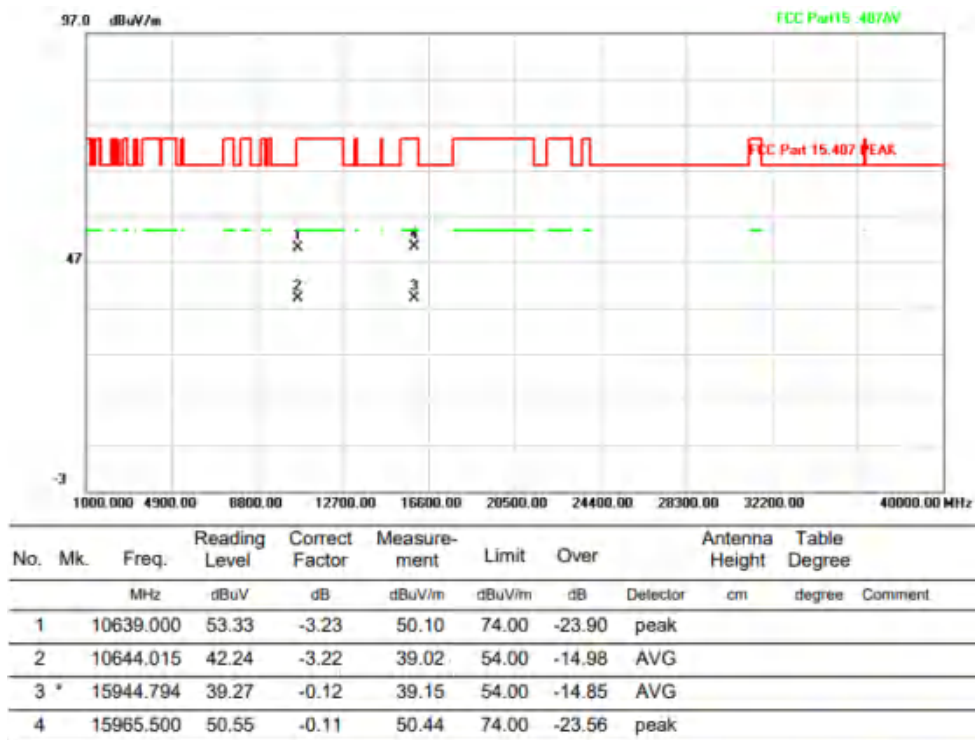
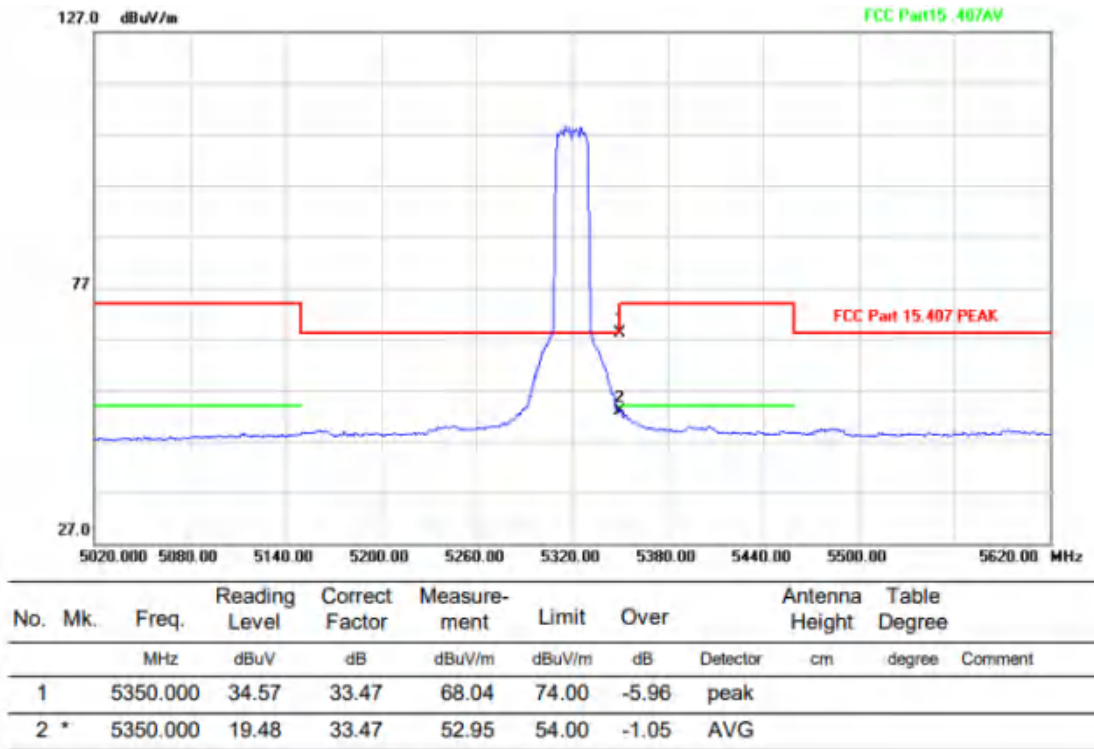


Above 1G (1GHz~40GHz)

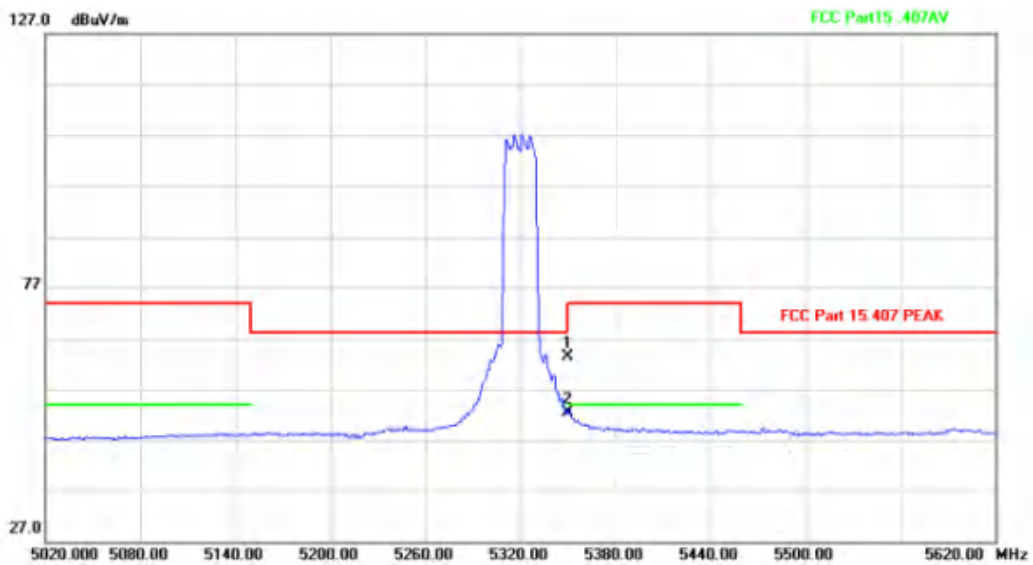
Test mode: 11AX20MIMO

Test Channel:64

VERTICAL



HORIZONTALA



| No. Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|---------|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | 5350.000 | 30.01 | 33.47 | 63.48 | 74.00 | -10.52 | peak | |
| 2 * | 5350.000 | 18.92 | 33.47 | 52.39 | 54.00 | -1.61 | AVG | |



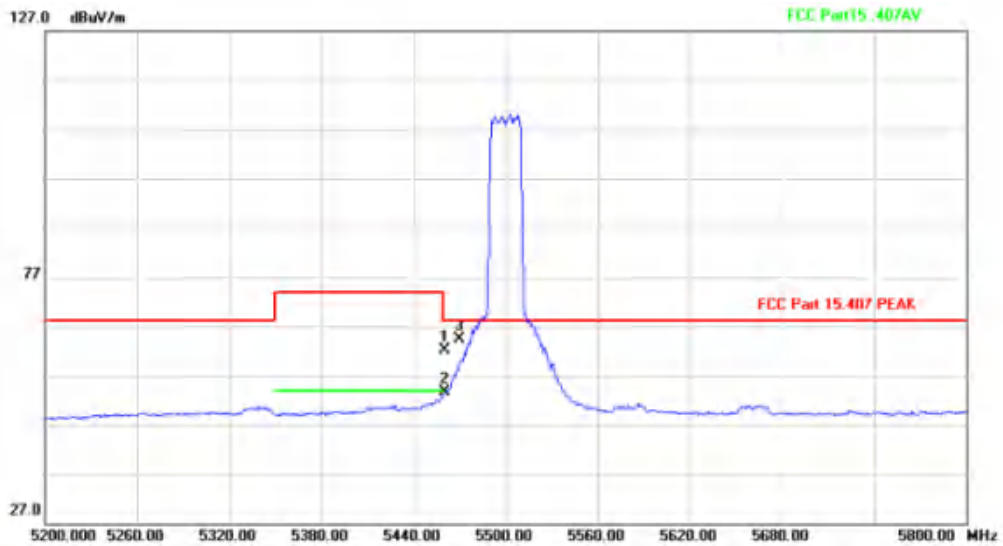
| No. Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|---------|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | 10639.000 | 53.04 | -3.23 | 49.81 | 74.00 | -24.19 | peak | |
| 2 * | 10641.818 | 43.40 | -3.22 | 40.18 | 54.00 | -13.82 | AVG | |
| 3 | 15955.853 | 39.35 | -0.11 | 39.24 | 54.00 | -14.76 | AVG | |
| 4 | 15958.500 | 51.93 | -0.11 | 51.82 | 74.00 | -22.18 | peak | |

Above 1G (1GHz~40GHz)

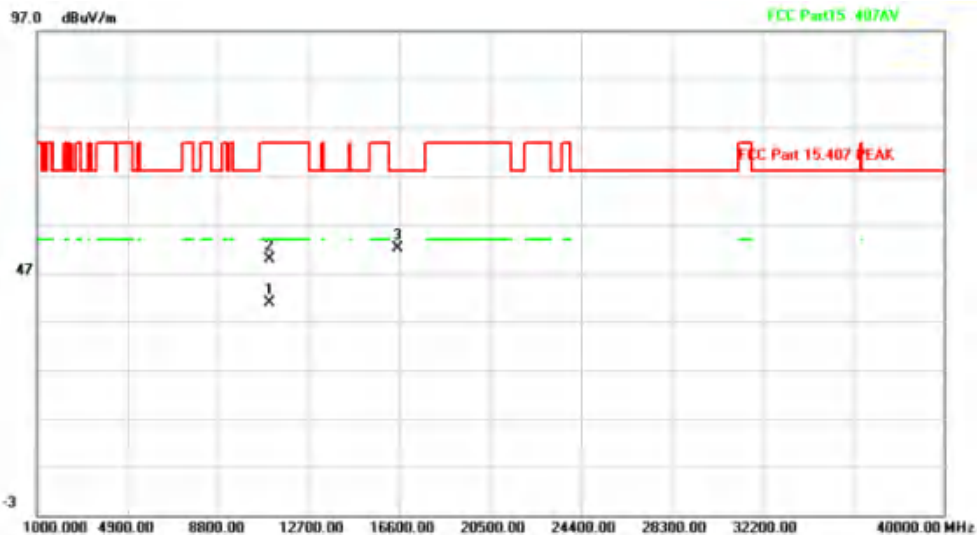
Test mode: 11AX20MIMO

Test Channel:100

VERTICAL

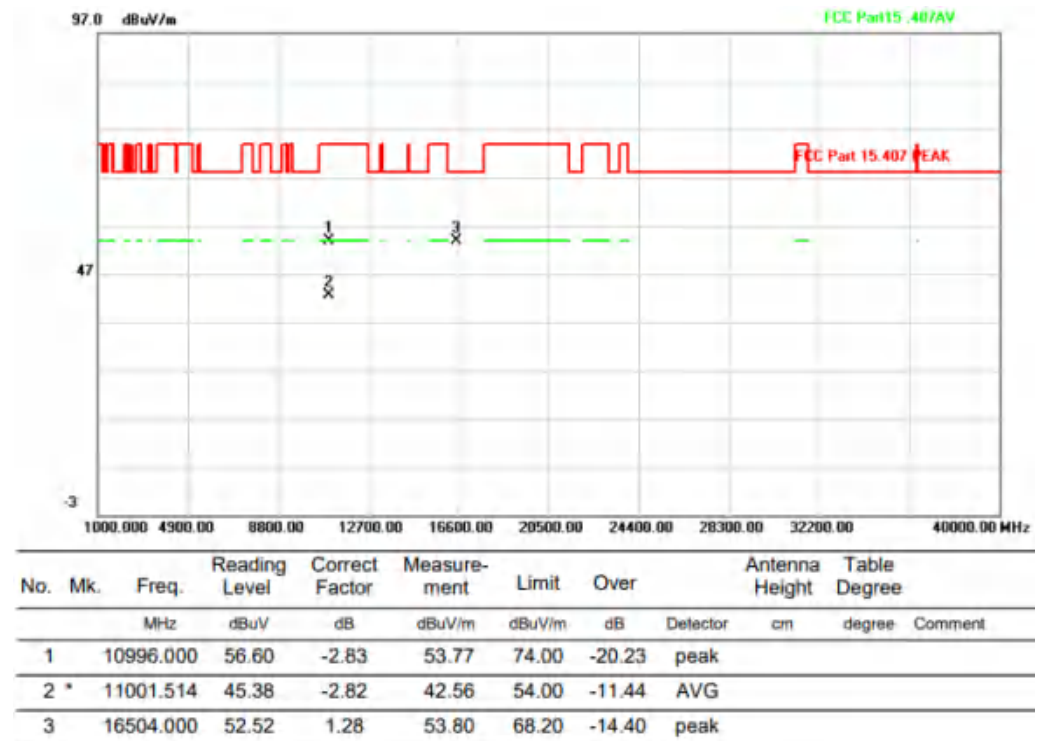
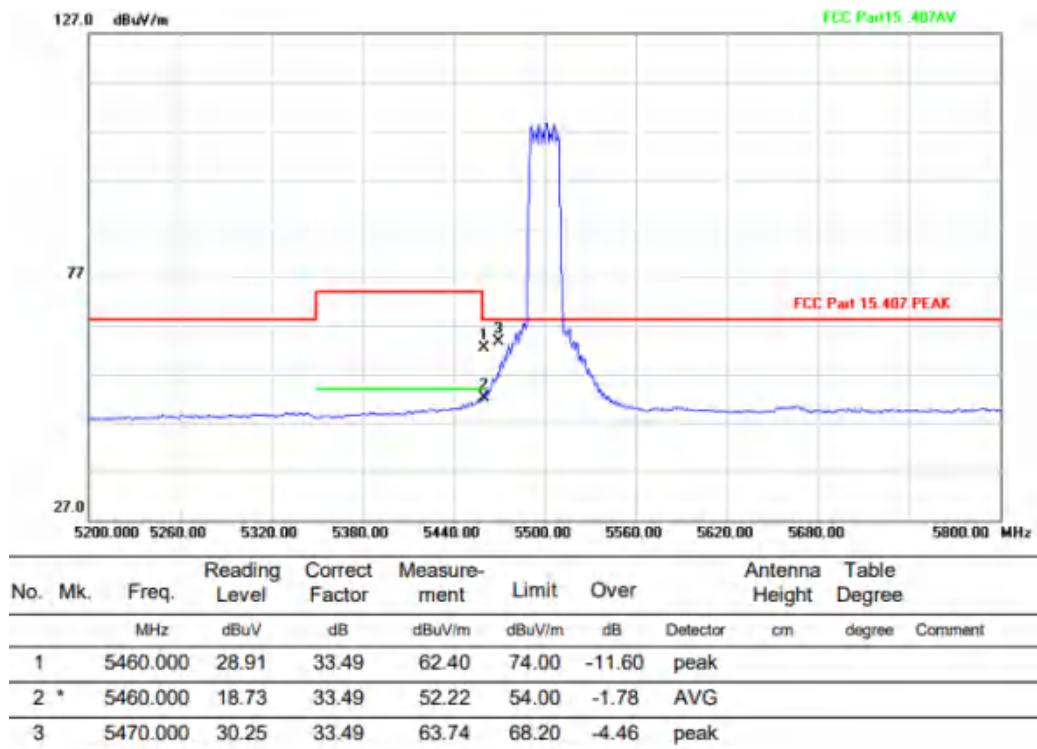


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5460.000 | 28.64 | 33.49 | 62.13 | 74.00 | -11.87 | | | peak |
| 2 | * | 5460.000 | 20.02 | 33.49 | 53.51 | 54.00 | -0.49 | | | AVG |
| 3 | | 5470.000 | 30.84 | 33.49 | 64.33 | 68.20 | -3.87 | | | peak |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 10999.661 | 43.72 | -2.83 | 40.89 | 54.00 | -13.11 | | | AVG |
| 2 | | 11000.500 | 52.60 | -2.83 | 49.77 | 74.00 | -24.23 | | | peak |
| 3 | | 16501.500 | 50.87 | 1.27 | 52.14 | 68.20 | -16.06 | | | peak |

HORIZONTAL

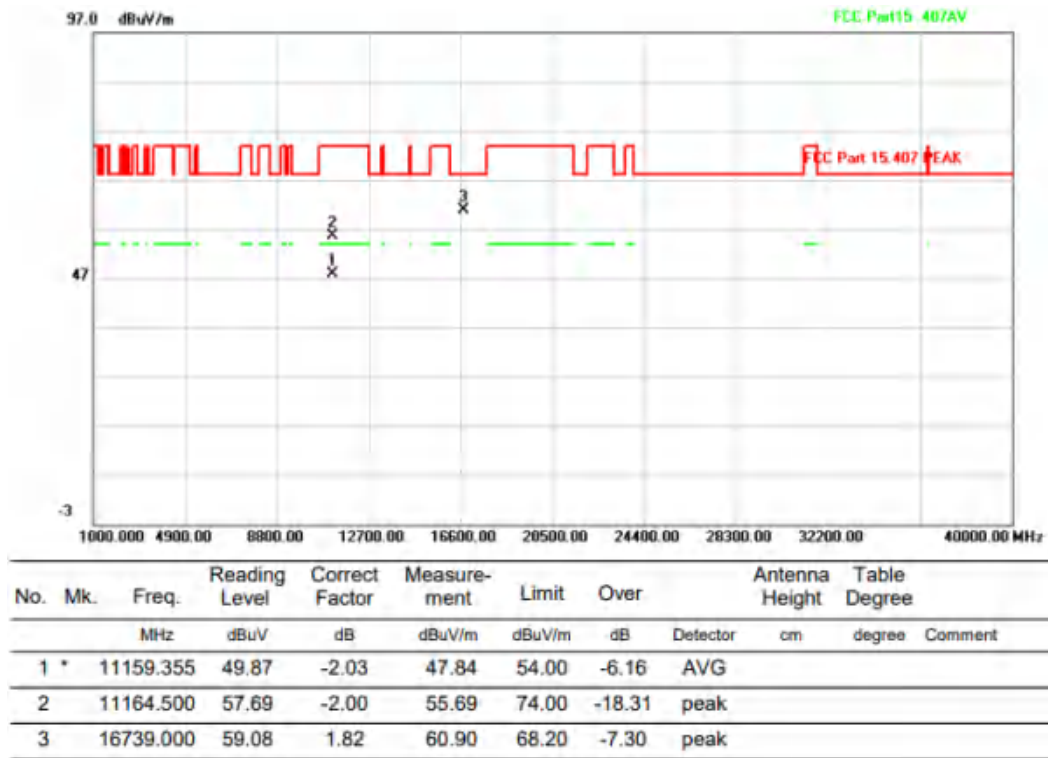


Above 1G (1GHz~40GHz)

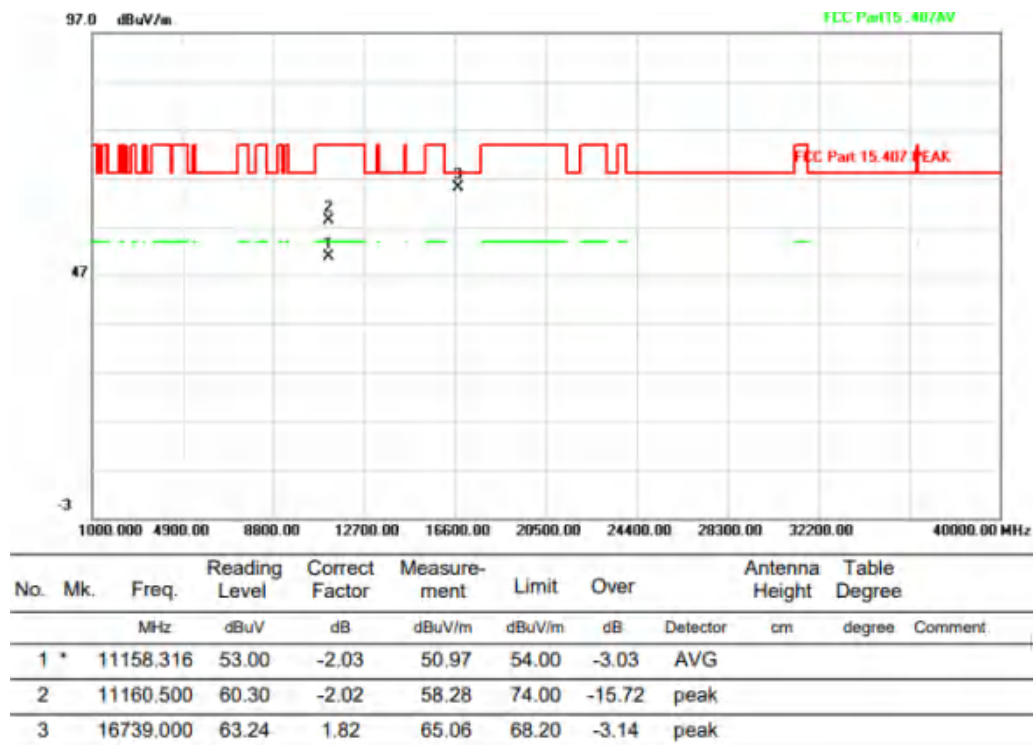
Test mode: 11AX20MIMO

Test Channel:116

VERTICAL



HORIZONTAL

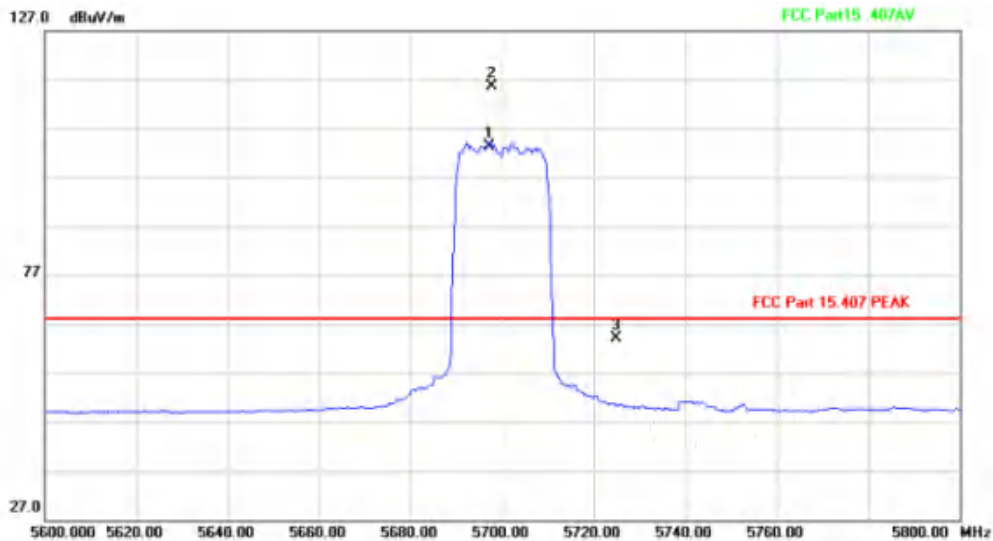


Above 1G (1GHz~40GHz)

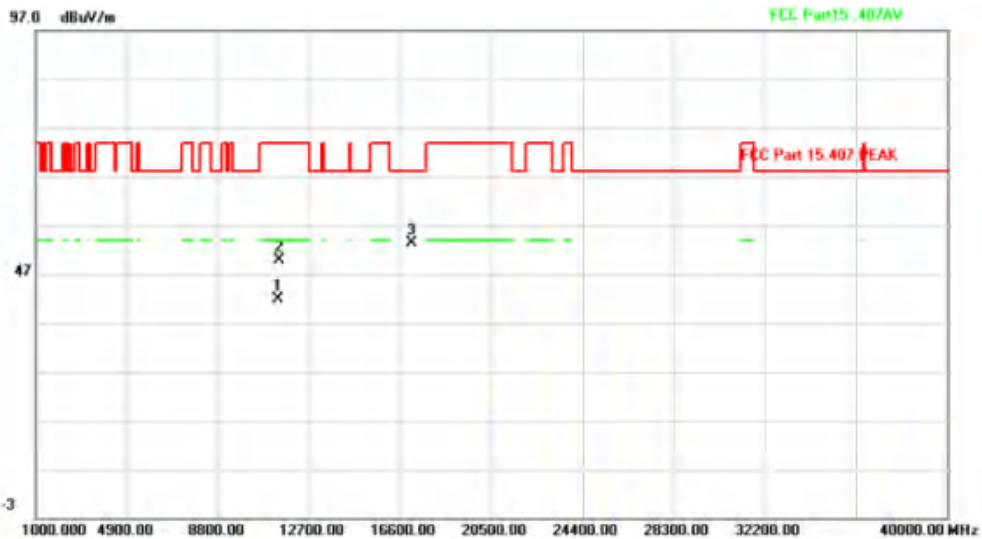
Test mode: 11AX20MIMO

Test Channel:140

VERTICAL

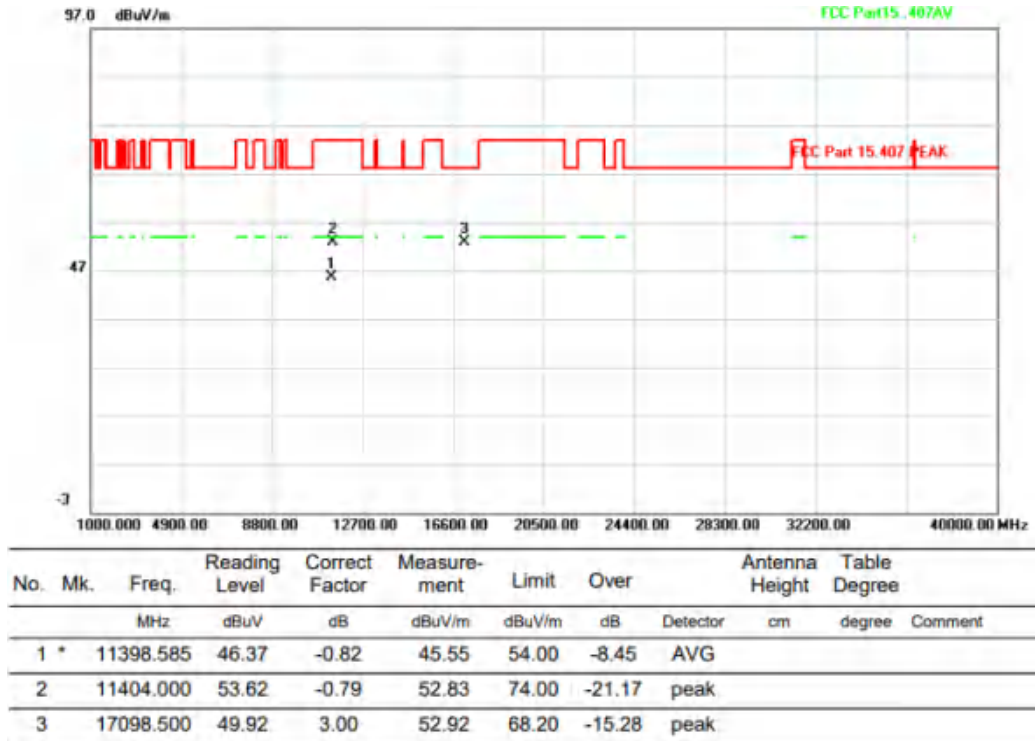
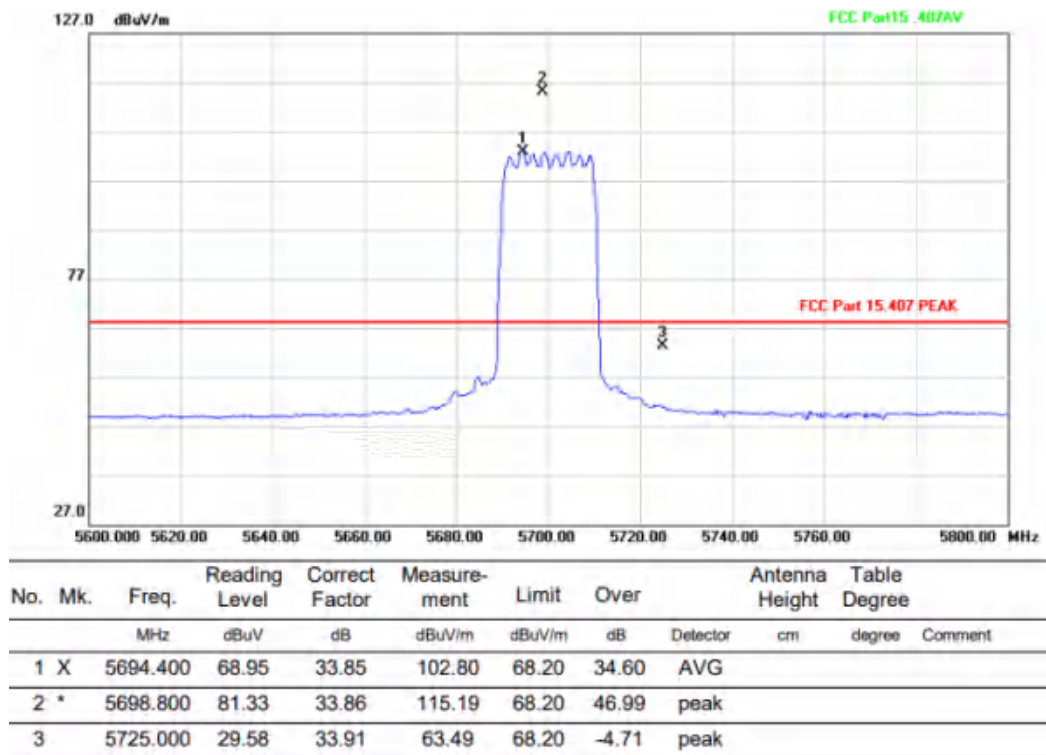


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | X | 5697.200 | 69.58 | 33.85 | 103.43 | 68.20 | 35.23 | AVG | | |
| 2 | * | 5697.800 | 81.69 | 33.86 | 115.55 | 68.20 | 47.35 | peak | | |
| 3 | | 5725.000 | 30.15 | 33.91 | 64.06 | 68.20 | -4.14 | peak | | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11399.110 | 42.69 | -0.82 | 41.87 | 54.00 | -12.13 | AVG | | |
| 2 | | 11402.500 | 50.64 | -0.80 | 49.84 | 74.00 | -24.16 | peak | | |
| 3 | | 17095.500 | 50.32 | 2.98 | 53.30 | 68.20 | -14.90 | peak | | |

HORIZONTAL

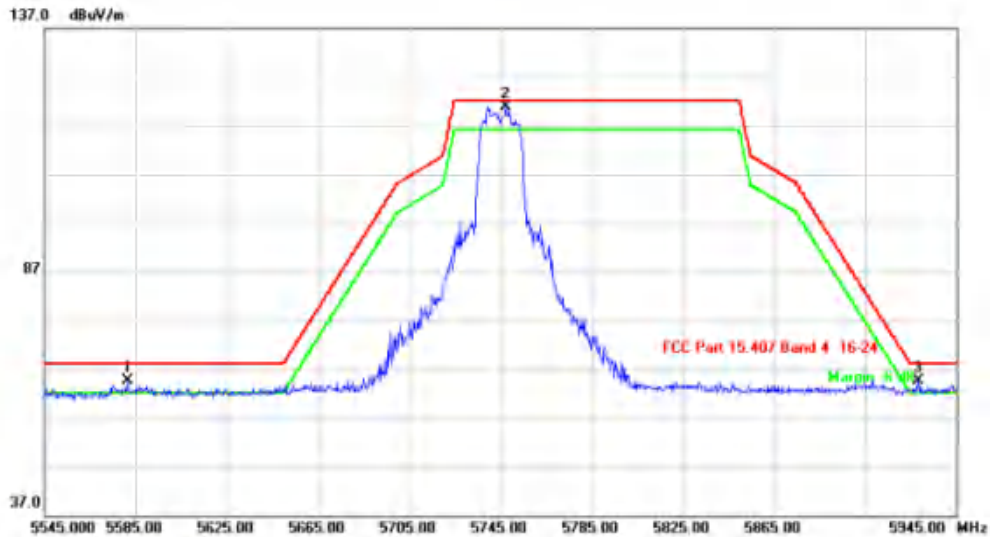


Above 1G (1GHz~40GHz)

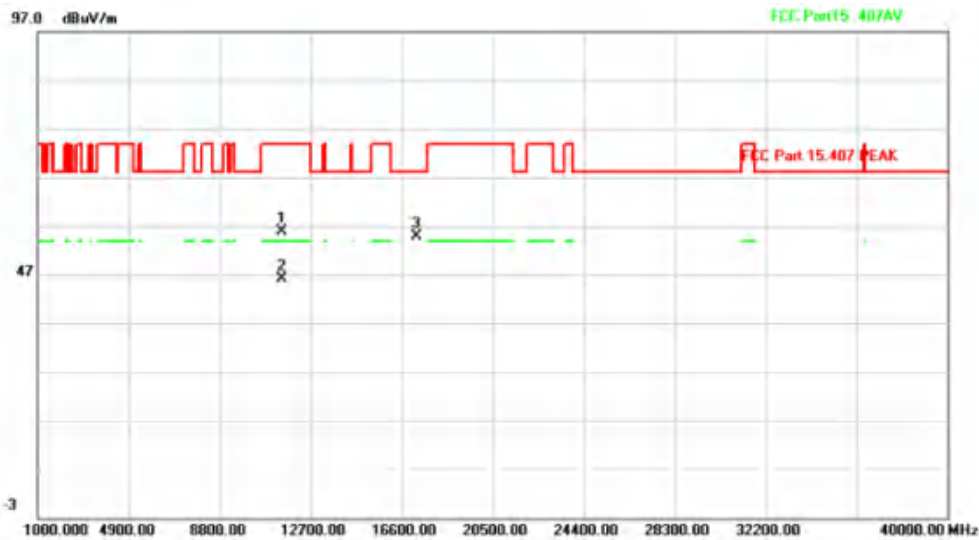
Test mode: 11AX20MIMO

Test Channel:149

VERTICAL

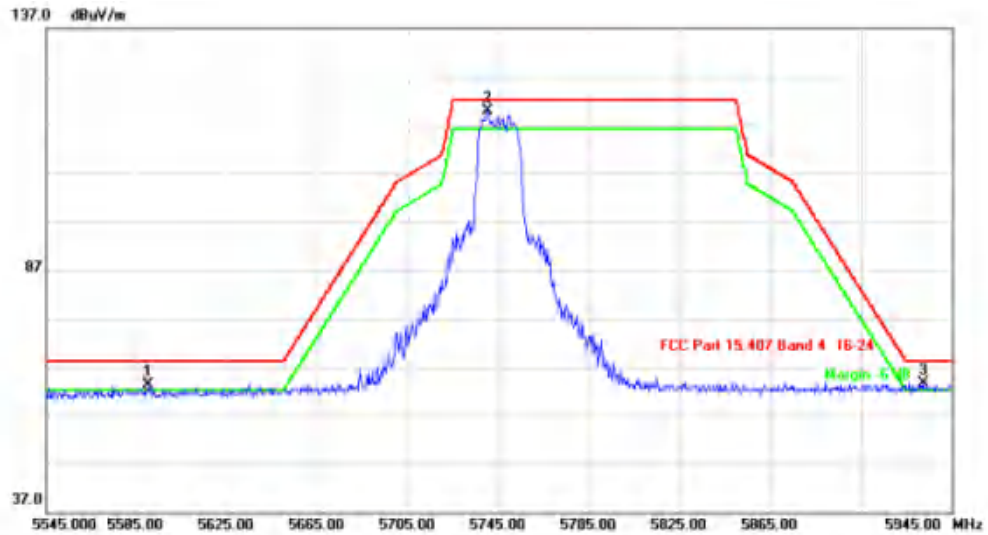


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Antenna Height cm | Table Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|-------------------------|-----------------|---------|
| 1 | ! | 5581.400 | 31.05 | 33.65 | 64.70 | 68.20 | -3.50 | peak | | | |
| 2 | * | 5747.400 | 87.05 | 33.95 | 121.00 | 122.20 | -1.20 | peak | | | |
| 3 | ! | 5928.200 | 30.29 | 34.27 | 64.56 | 68.20 | -3.64 | peak | | | |

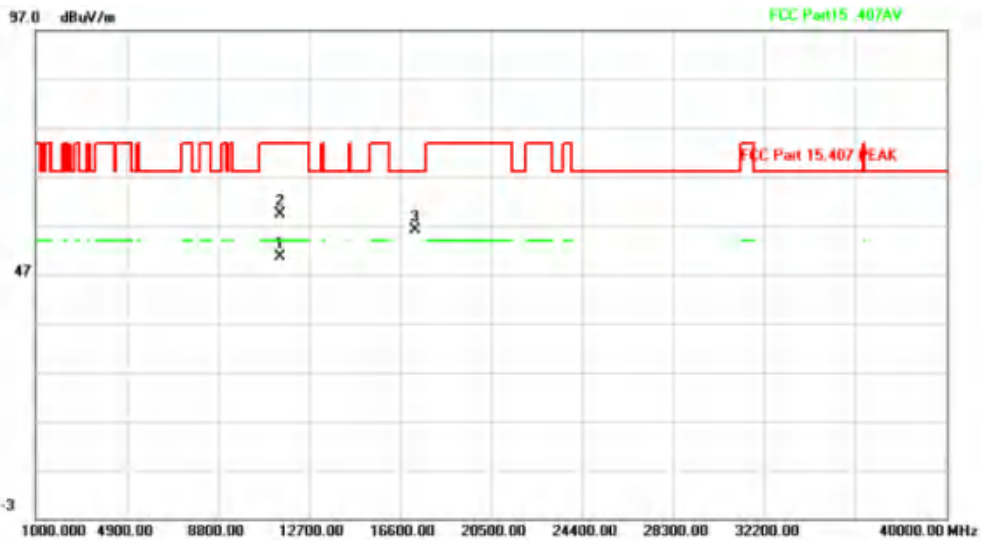


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Antenna Height cm | Table Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|-------------------------|-----------------|---------|
| 1 | | 11490.500 | 56.17 | -0.36 | 55.81 | 74.00 | -18.19 | peak | | | |
| 2 | * | 11490.709 | 46.48 | -0.36 | 46.12 | 54.00 | -7.88 | AVG | | | |
| 3 | | 17233.500 | 51.05 | 3.78 | 54.83 | 68.20 | -13.37 | peak | | | |

HORIZONTALA



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | ! | 5590.200 | 29.77 | 33.66 | 63.43 | 68.20 | -4.77 | peak | |
| 2 | * | 5739.800 | 85.83 | 33.93 | 119.76 | 122.20 | -2.44 | peak | |
| 3 | ! | 5932.200 | 29.44 | 34.28 | 63.72 | 68.20 | -4.48 | peak | |



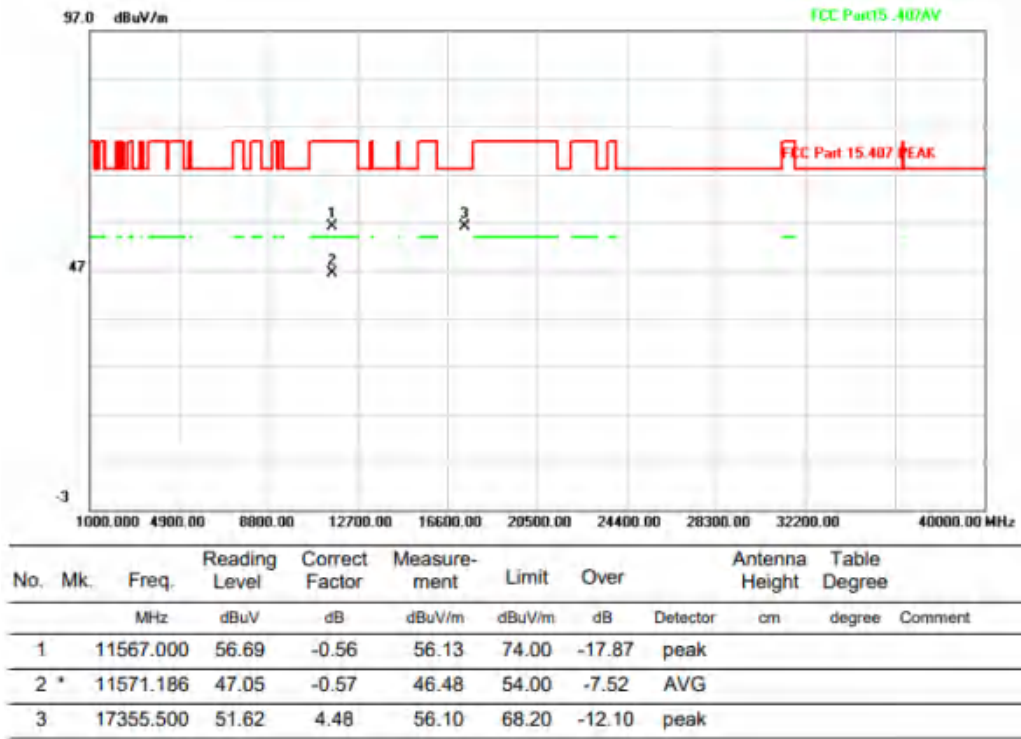
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | * | 11488.357 | 50.93 | -0.37 | 50.56 | 54.00 | -3.44 | AVG | |
| 2 | | 11496.000 | 59.67 | -0.33 | 59.34 | 74.00 | -14.66 | peak | |
| 3 | | 17233.500 | 52.37 | 3.78 | 56.15 | 68.20 | -12.05 | peak | |

Above 1G (1GHz~40GHz)

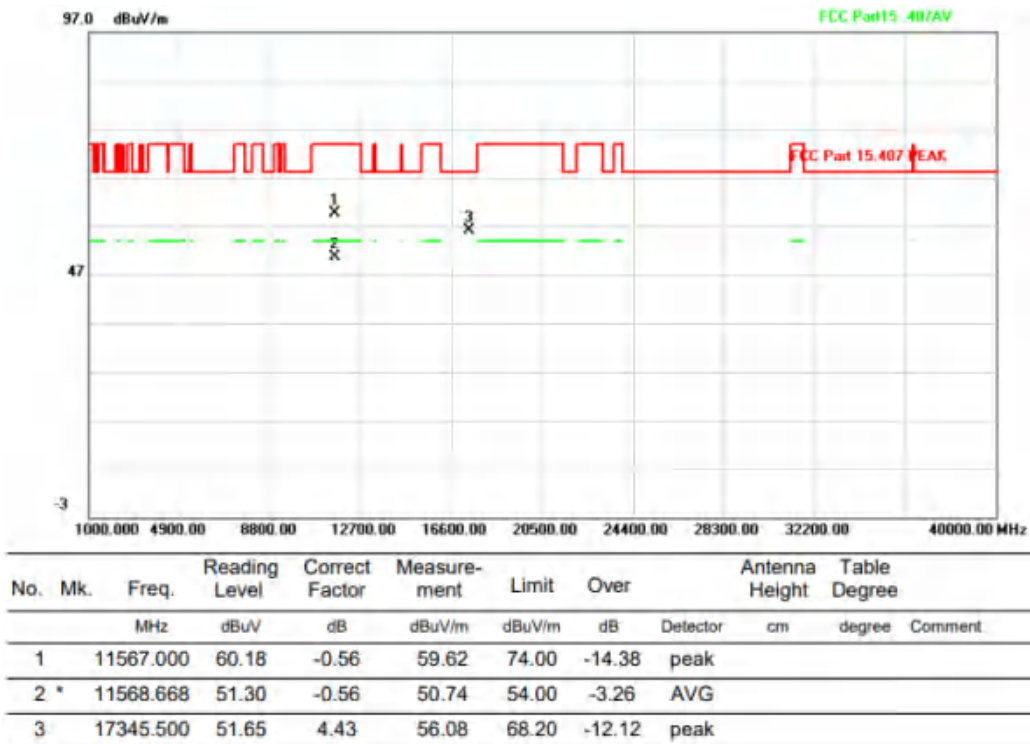
Test mode: 11AX20MIMO

Test Channel:157

VERTICAL



HORIZONTAL

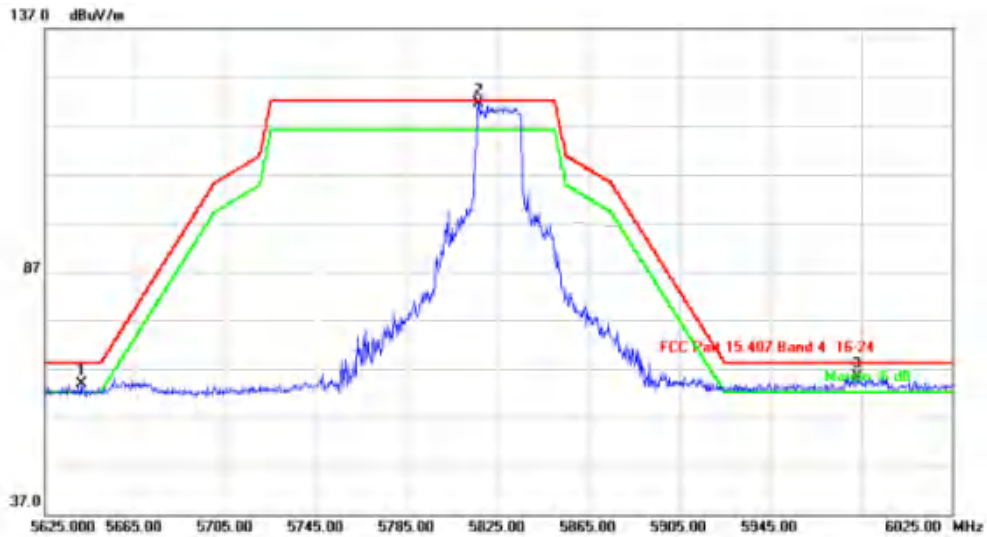


Above 1G (1GHz~40GHz)

Test mode: 11AX20MIMO

Test Channel:165

VERTICAL

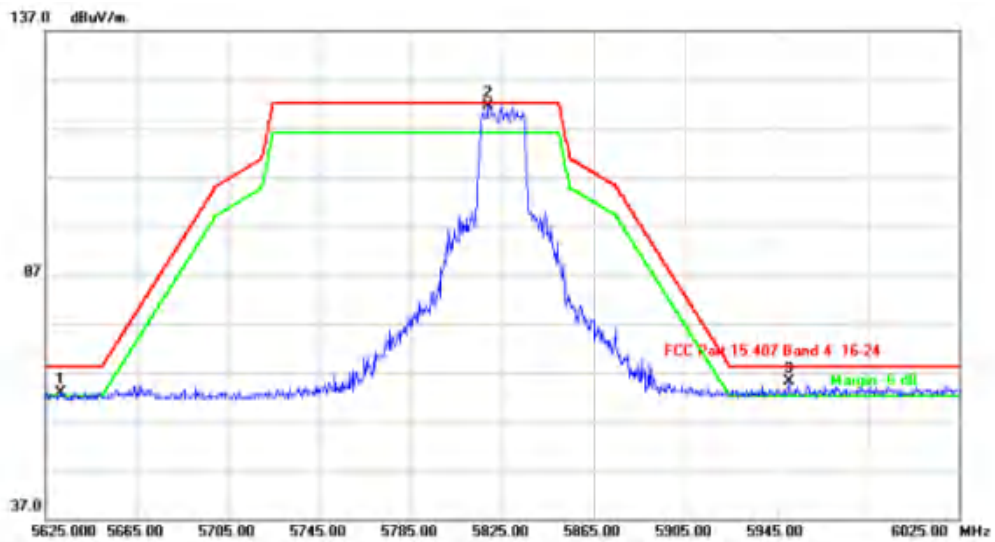


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | ! | 5641.000 | 30.03 | 33.75 | 63.78 | 68.20 | -4.42 | peak | | |
| 2 | * | 5816.200 | 87.52 | 34.07 | 121.59 | 122.20 | -0.61 | peak | | |
| 3 | ! | 5983.000 | 31.03 | 34.37 | 65.40 | 68.20 | -2.80 | peak | | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11649.000 | 55.72 | -0.86 | 54.86 | 74.00 | -19.14 | peak | | |
| 2 | * | 11650.768 | 48.24 | -0.86 | 47.38 | 54.00 | -6.62 | AVG | | |
| 3 | | 17473.000 | 49.73 | 5.16 | 54.89 | 68.20 | -13.31 | peak | | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | I | 5631.400 | 29.19 | 33.74 | 62.93 | 68.20 | -5.27 | | | peak |
| 2 | * | 5819.000 | 87.46 | 34.07 | 121.53 | 122.20 | -0.67 | | | peak |
| 3 | I | 5950.600 | 30.84 | 34.31 | 65.15 | 68.20 | -3.05 | | | peak |



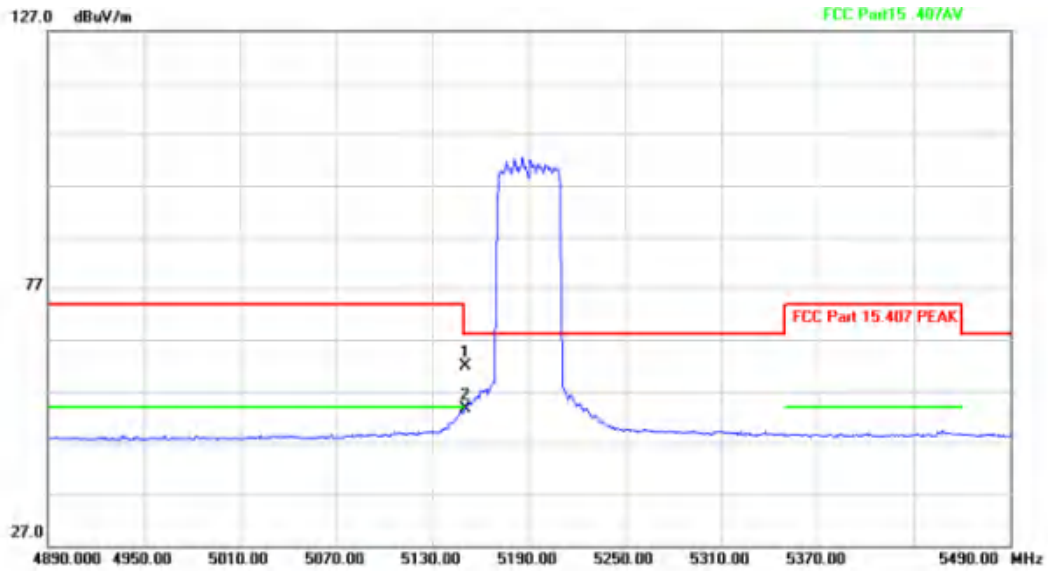
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11648.290 | 51.43 | -0.85 | 50.58 | 54.00 | -3.42 | | | AVG |
| 2 | | 11649.000 | 59.75 | -0.86 | 58.89 | 74.00 | -15.11 | | | peak |
| 3 | | 17473.000 | 49.35 | 5.16 | 54.51 | 68.20 | -13.69 | | | peak |

Above 1G (1GHz~40GHz)

Test mode: 11AX40MIMO

Test Channel:38

VERTICAL

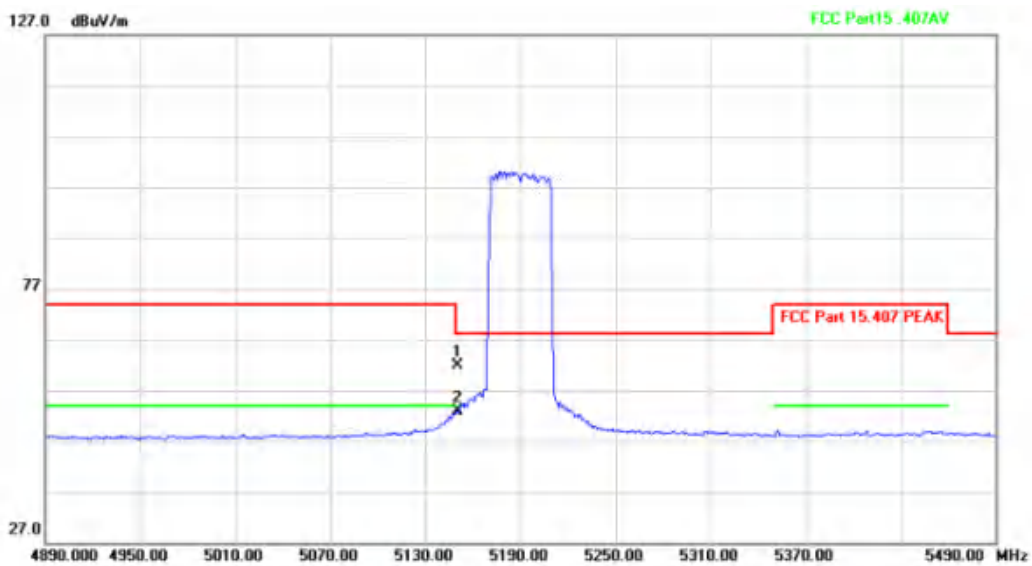


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5150.000 | 28.56 | 33.43 | 61.99 | 74.00 | -12.01 | peak | | |
| 2 * | | 5150.000 | 20.20 | 33.43 | 53.63 | 54.00 | -0.37 | AVG | | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10378.500 | 52.88 | -3.59 | 49.29 | 68.20 | -18.91 | peak | | |
| 2 * | | 15569.851 | 40.76 | -0.15 | 40.61 | 54.00 | -13.39 | AVG | | |
| 3 | | 15570.500 | 51.63 | -0.15 | 51.48 | 74.00 | -22.52 | peak | | |

HORIZONTALA



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | | 5150.000 | 28.53 | 33.43 | 61.96 | 74.00 | -12.04 | | | peak |
| 2 | * | 5150.000 | 19.42 | 33.43 | 52.85 | 54.00 | -1.15 | | | AVG |



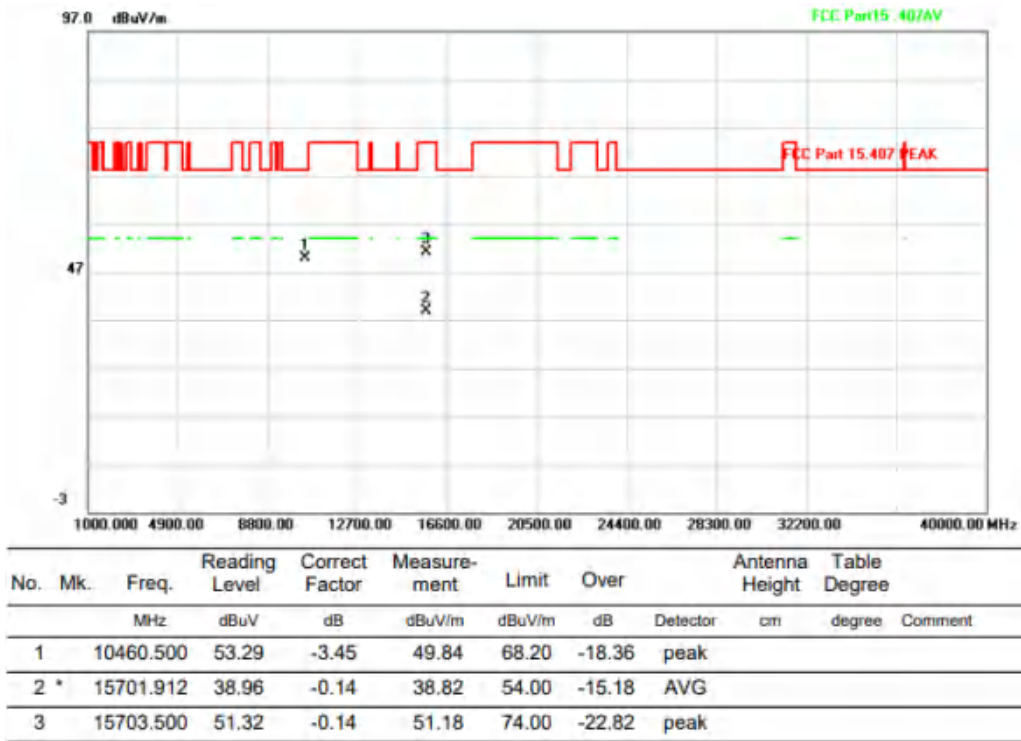
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | | 10378.500 | 53.34 | -3.59 | 49.75 | 68.20 | -18.45 | | | peak |
| 2 | | 15570.500 | 52.43 | -0.15 | 52.28 | 74.00 | -21.72 | | | peak |
| 3 | * | 15572.678 | 40.68 | -0.15 | 40.53 | 54.00 | -13.47 | | | AVG |

Above 1G (1GHz~40GHz)

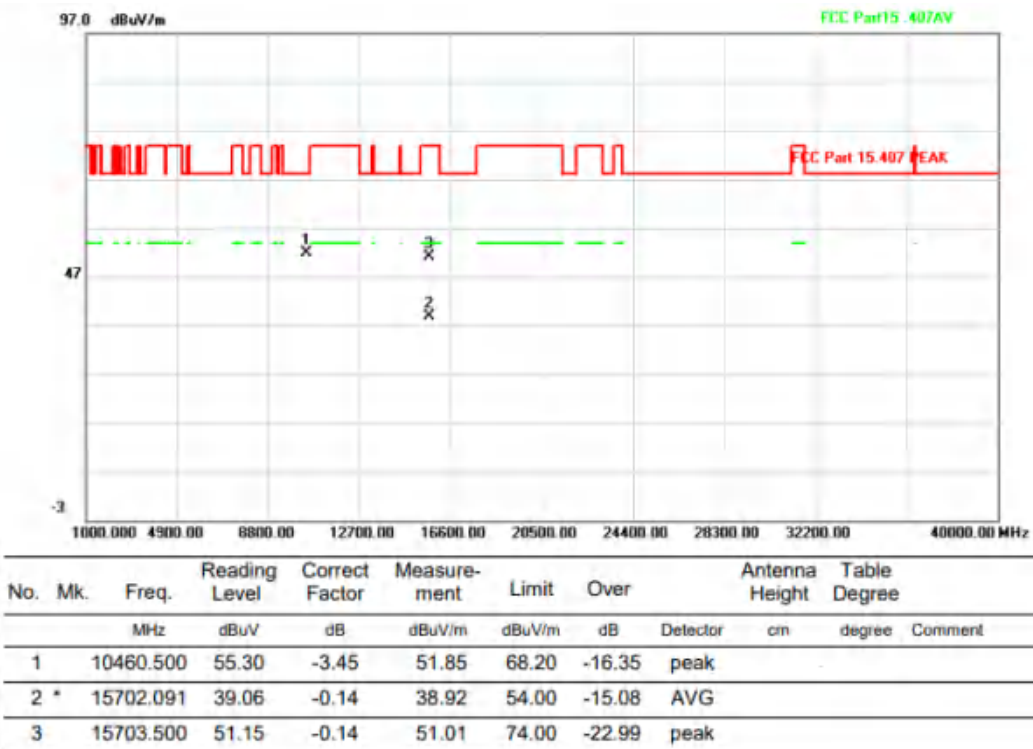
Test mode: 11AX40MIMO

Test Channel:46

VERTICAL



HORIZONTAL

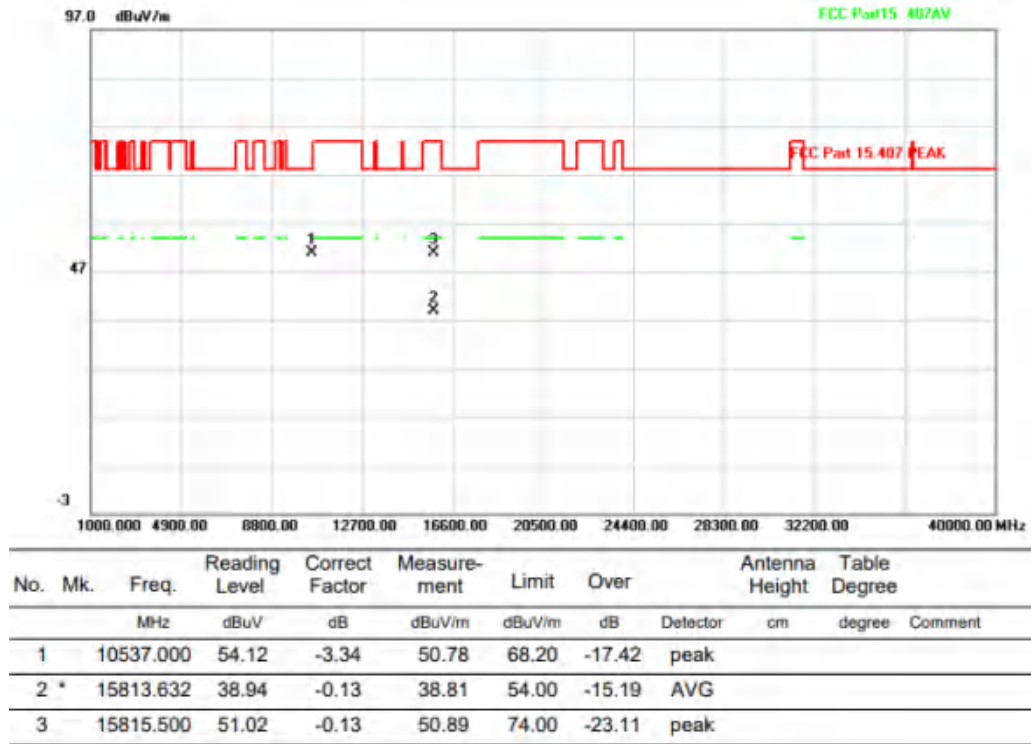


Above 1G (1GHz~40GHz)

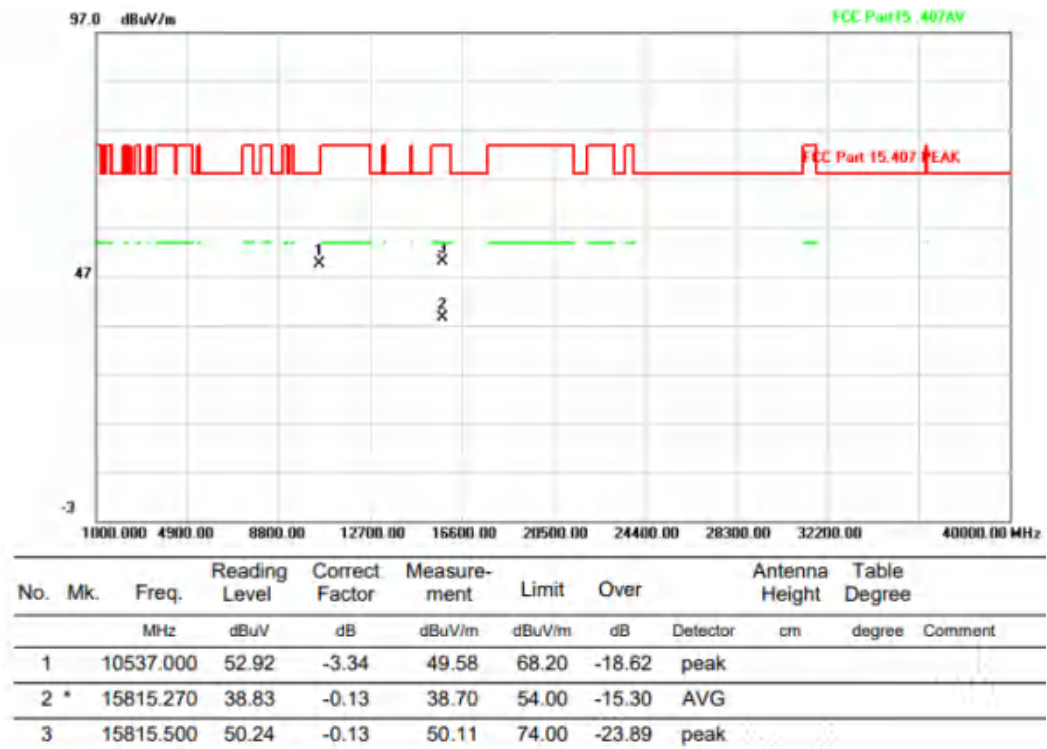
Test mode: 11AX40MIMO

Test Channel:54

VERTICAL



HORIZONTAL

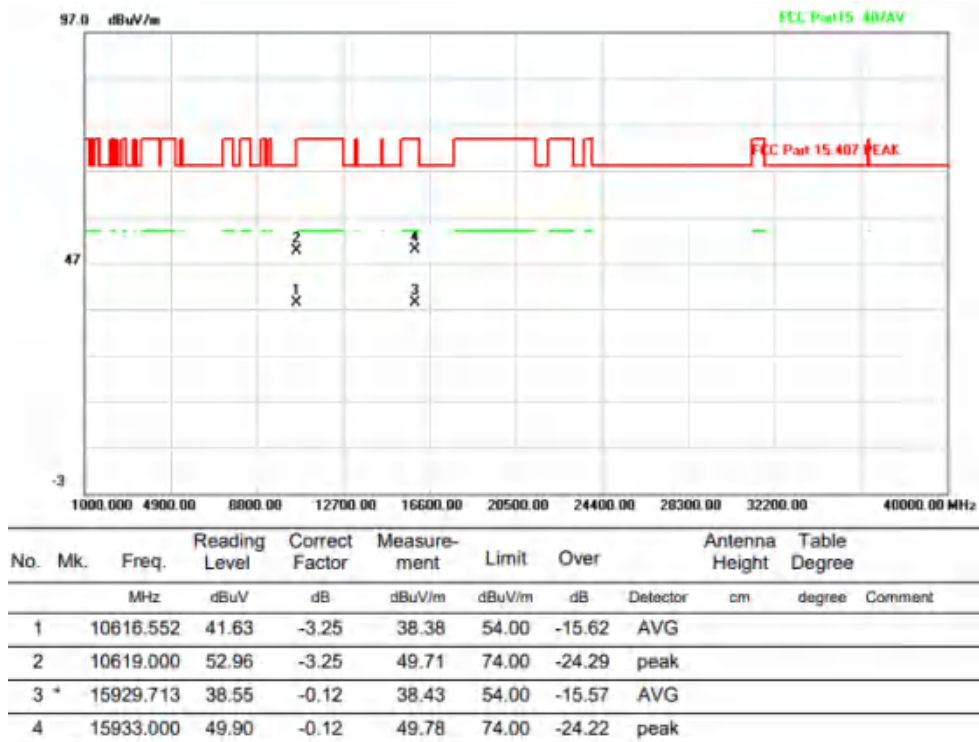
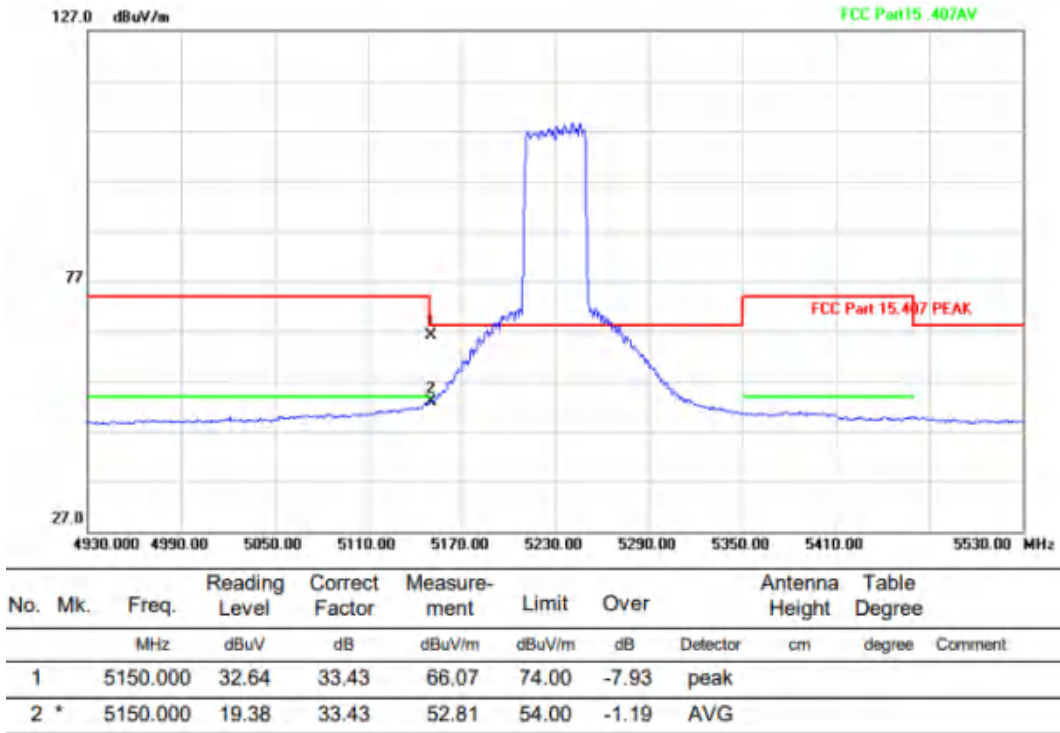


Above 1G (1GHz~40GHz)

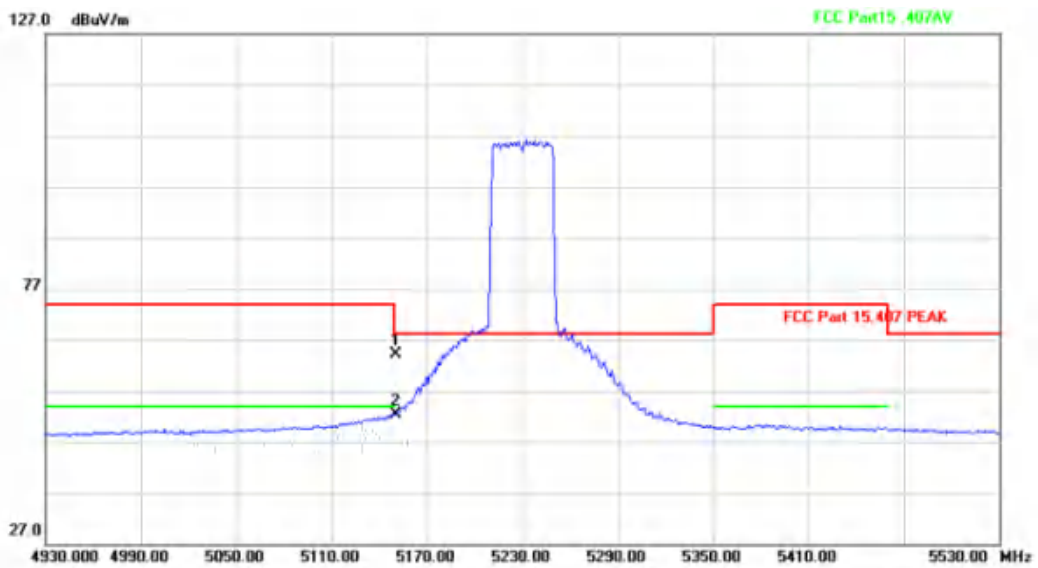
Test mode: 11AX40MIMO

Test Channel:62

VERTICAL



HORIZONTALA

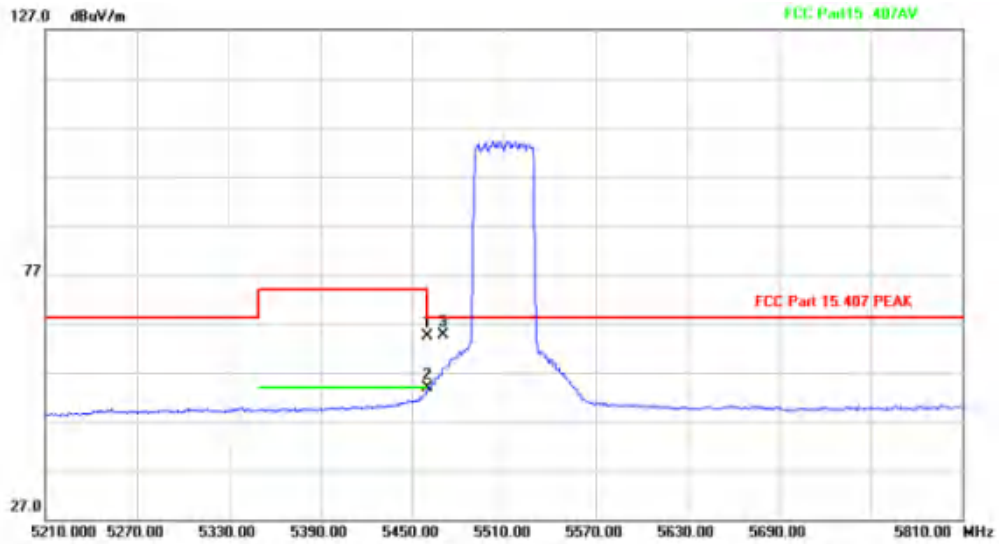


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5150.000 | 30.73 | 33.43 | 64.16 | 74.00 | -9.84 | | | peak |
| 2 * | | 5150.000 | 18.94 | 33.43 | 52.37 | 54.00 | -1.63 | | | AVG |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10617.012 | 41.57 | -3.25 | 38.32 | 54.00 | -15.68 | | | AVG |
| 2 | | 10619.000 | 53.34 | -3.25 | 50.09 | 74.00 | -23.91 | | | peak |
| 3 * | | 15930.732 | 38.65 | -0.12 | 38.53 | 54.00 | -15.47 | | | AVG |
| 4 | | 15933.000 | 49.80 | -0.12 | 49.68 | 74.00 | -24.32 | | | peak |

VERTICAL

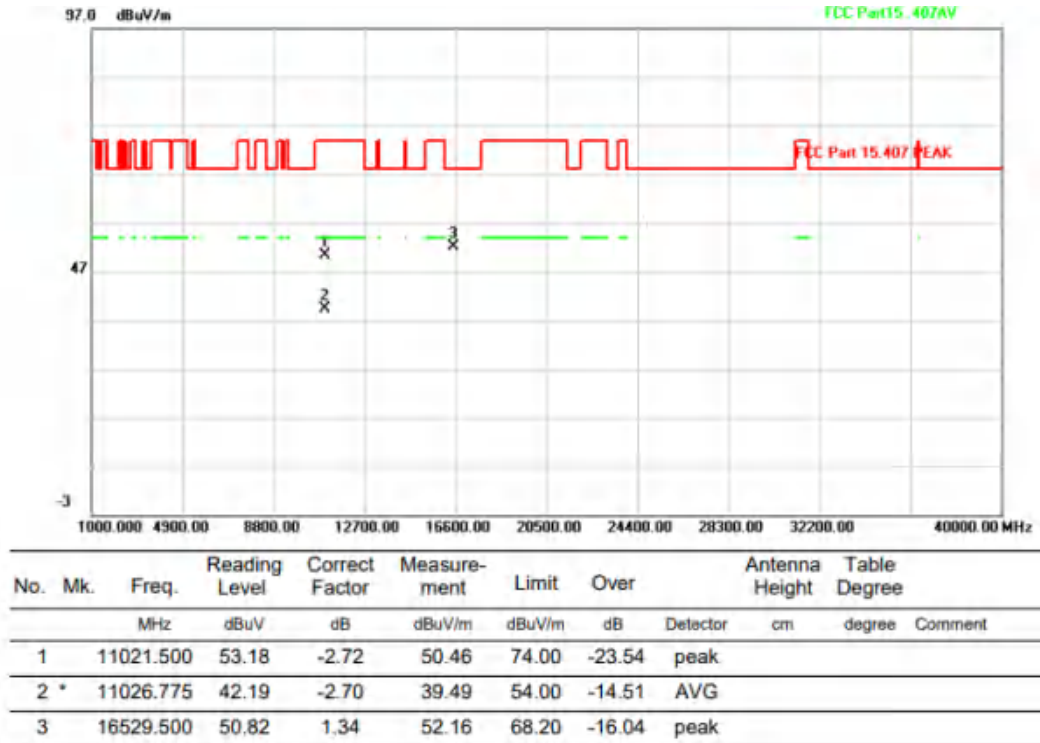
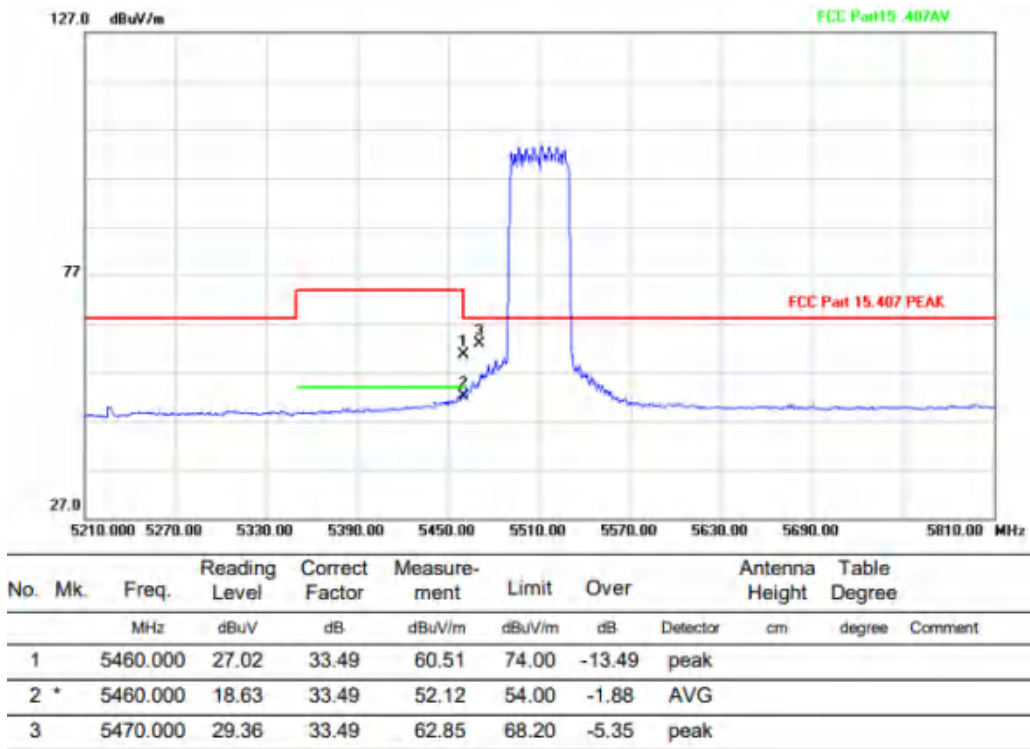


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5460.000 | 30.80 | 33.49 | 64.29 | 74.00 | -9.71 | | | peak |
| 2 * | | 5460.000 | 20.38 | 33.49 | 53.87 | 54.00 | -0.13 | | | AVG |
| 3 | | 5470.000 | 31.02 | 33.49 | 64.51 | 68.20 | -3.69 | | | peak |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 * | | 11021.372 | 41.56 | -2.72 | 38.84 | 54.00 | -15.16 | | | AVG |
| 2 | | 11021.500 | 52.52 | -2.72 | 49.80 | 74.00 | -24.20 | | | peak |
| 3 | | 16529.500 | 51.60 | 1.34 | 52.94 | 68.20 | -15.26 | | | peak |

HORIZONTAL



Above 1G (1GHz~40GHz)

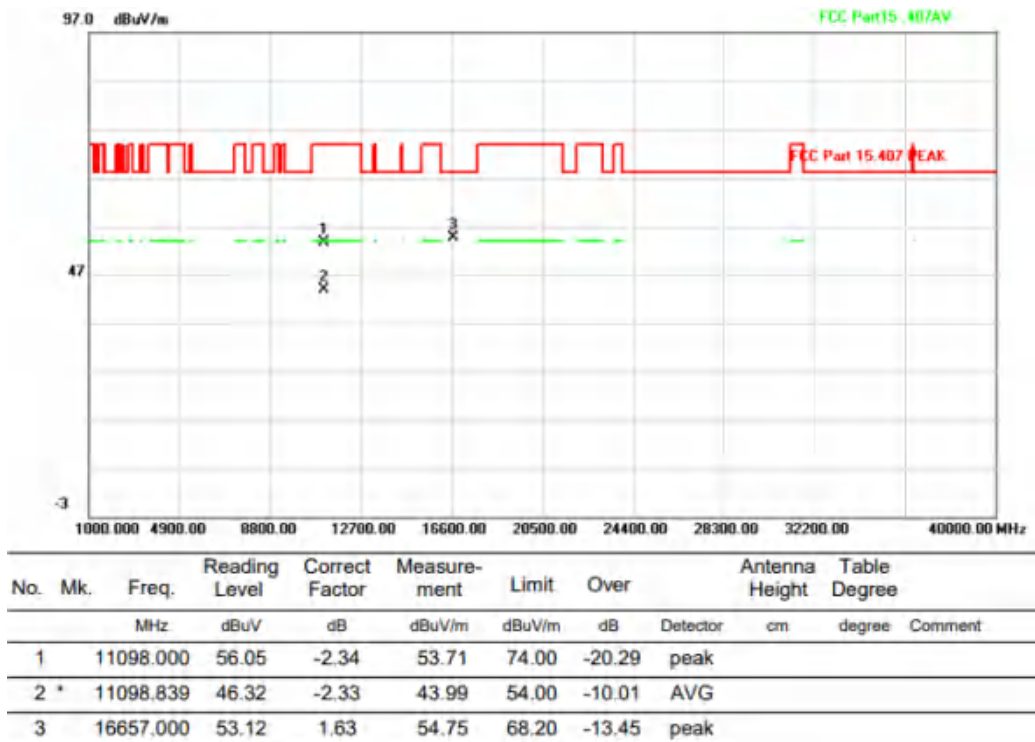
Test mode: 11AX40MIMO

Test Channel:110

VERTICAL



HORIZONTAL

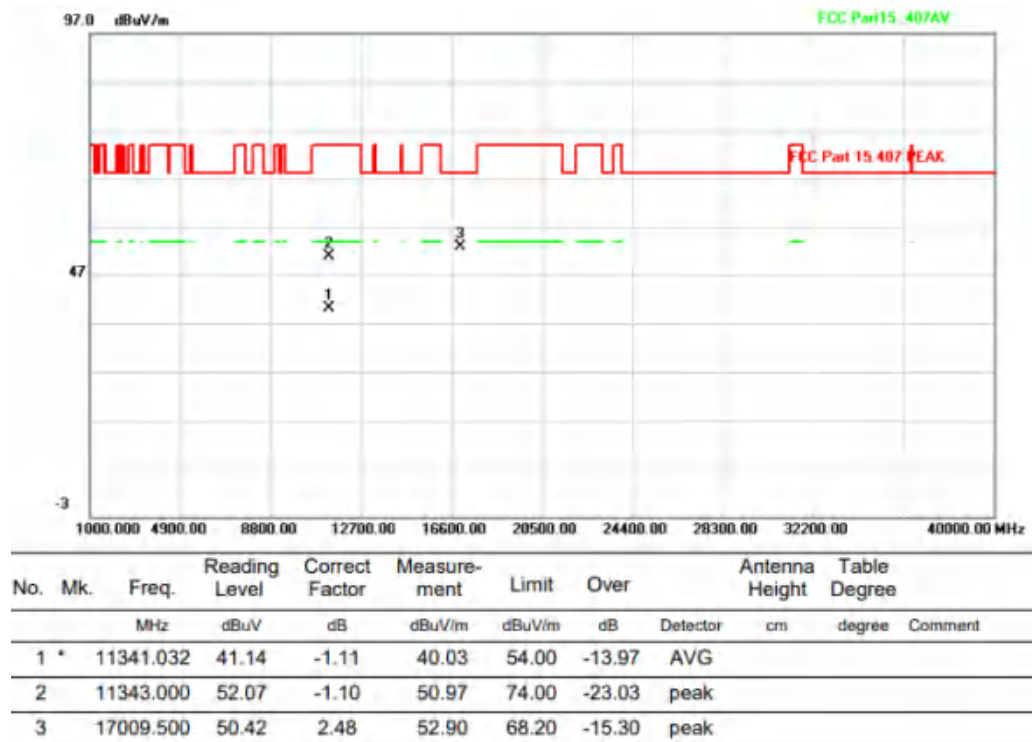
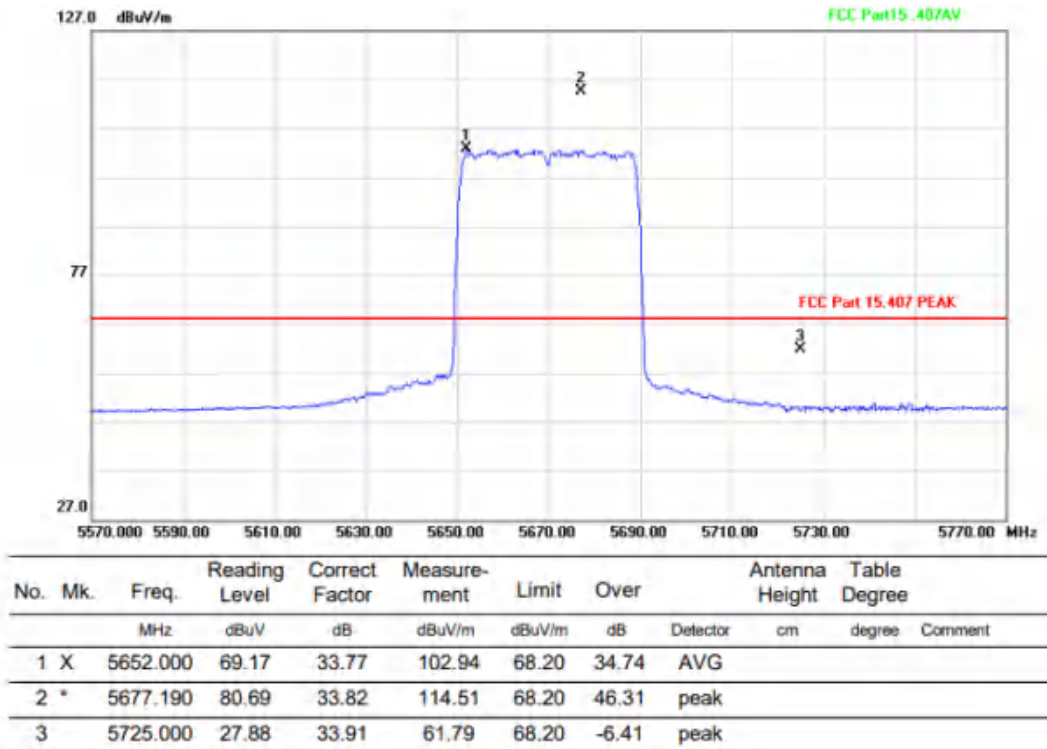


Above 1G (1GHz~40GHz)

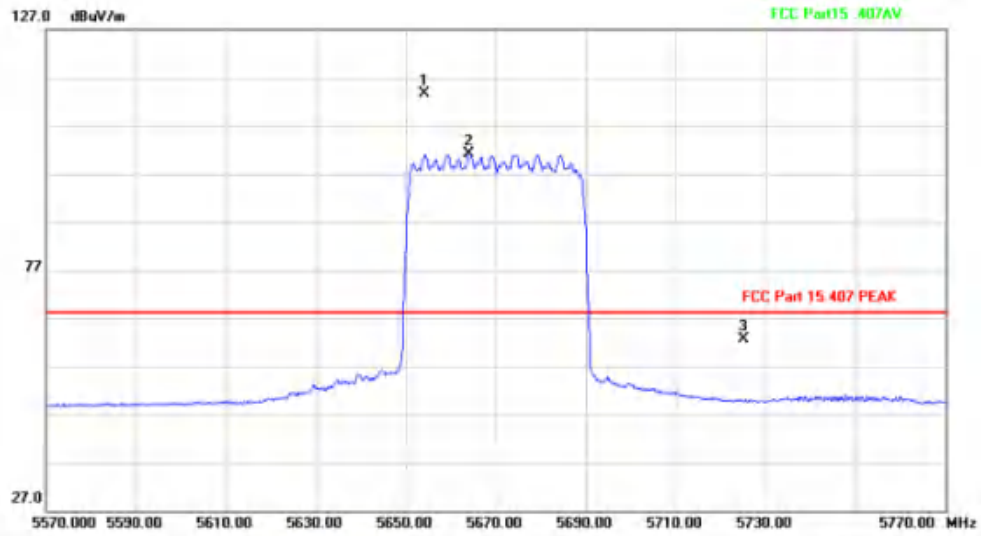
Test mode: 11AX40MIMO

Test Channel:134

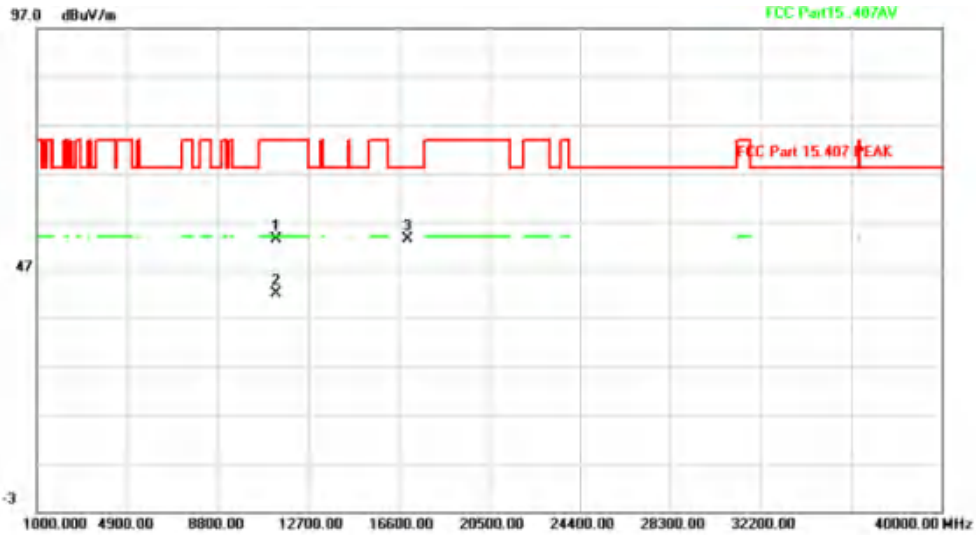
VERTICAL



HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 5654.020 | 79.97 | 33.78 | 113.75 | 68.20 | 45.55 | | | peak |
| 2 | X | 5664.000 | 67.39 | 33.80 | 101.19 | 68.20 | 32.99 | | | AVG |
| 3 | | 5725.000 | 28.68 | 33.91 | 62.59 | 68.20 | -5.61 | | | peak |



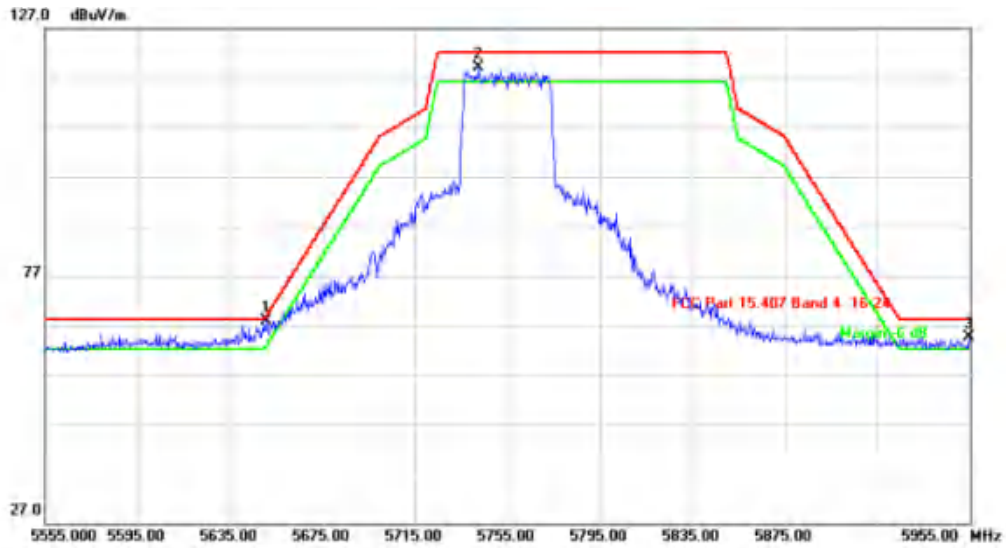
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11343.000 | 54.50 | -1.10 | 53.40 | 74.00 | -20.60 | | | peak |
| 2 | * | 11343.030 | 43.22 | -1.10 | 42.12 | 54.00 | -11.88 | | | AVG |
| 3 | | 17009.500 | 50.88 | 2.48 | 53.36 | 68.20 | -14.84 | | | peak |

Above 1G (1GHz~40GHz)

Test mode: 11AX40MIMO

Test Channel:151

VERTICAL

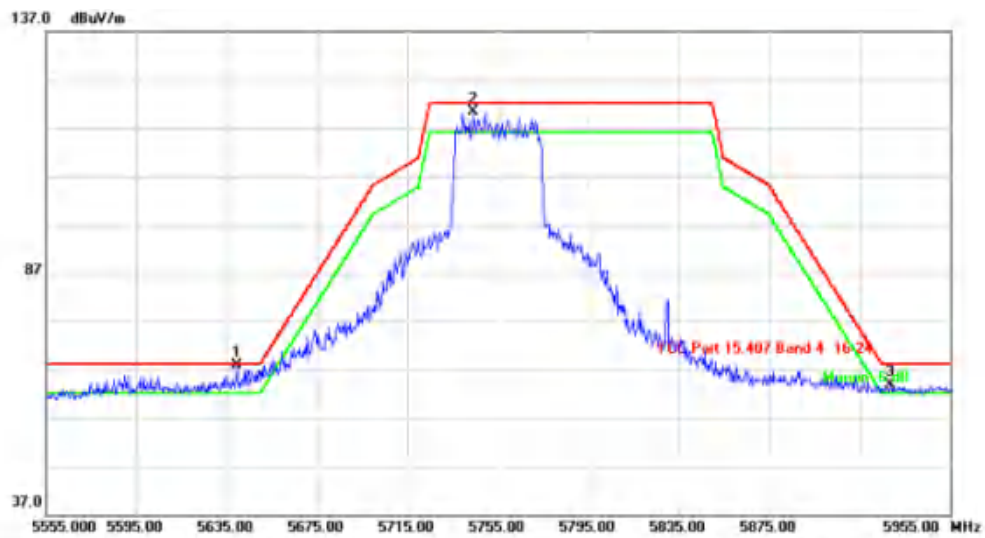


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | * | 5650.600 | 34.03 | 33.77 | 67.80 | 68.65 | -0.85 | peak | |
| 2 | ! | 5742.600 | 85.07 | 33.94 | 119.01 | 122.20 | -3.19 | peak | |
| 3 | ! | 5954.600 | 30.32 | 34.32 | 64.64 | 68.20 | -3.56 | peak | |

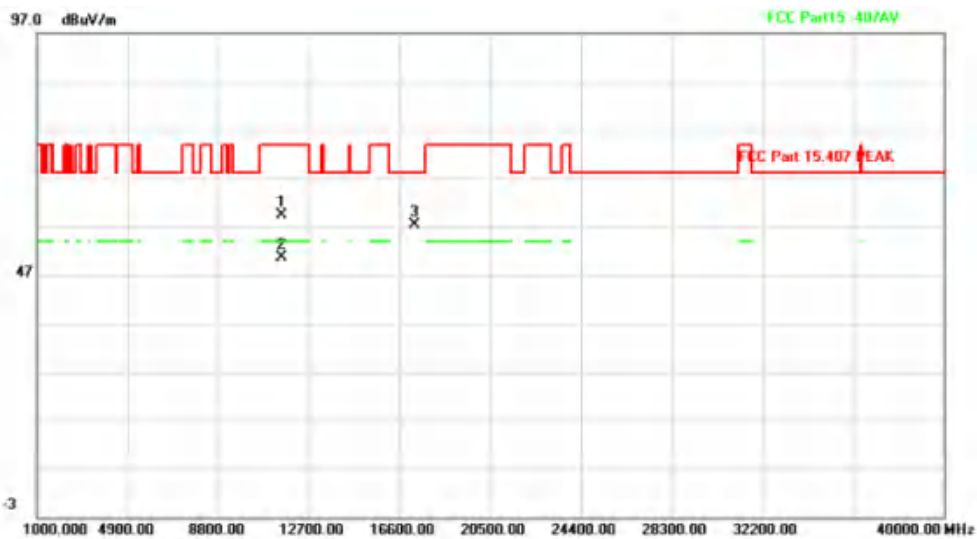


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | * | 11505.866 | 46.25 | -0.33 | 45.92 | 54.00 | -8.08 | AVG | |
| 2 | | 11511.500 | 55.62 | -0.35 | 55.27 | 74.00 | -18.73 | peak | |
| 3 | | 17269.000 | 51.08 | 3.98 | 55.06 | 68.20 | -13.14 | peak | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | * | 5639.400 | 34.14 | -33.75 | 67.89 | 68.20 | -0.31 | | |
| 2 | ! | 5744.200 | 86.37 | -33.94 | 120.31 | 122.20 | -1.89 | | |
| 3 | ! | 5928.600 | 29.67 | -34.27 | 63.94 | 68.20 | -4.26 | | |



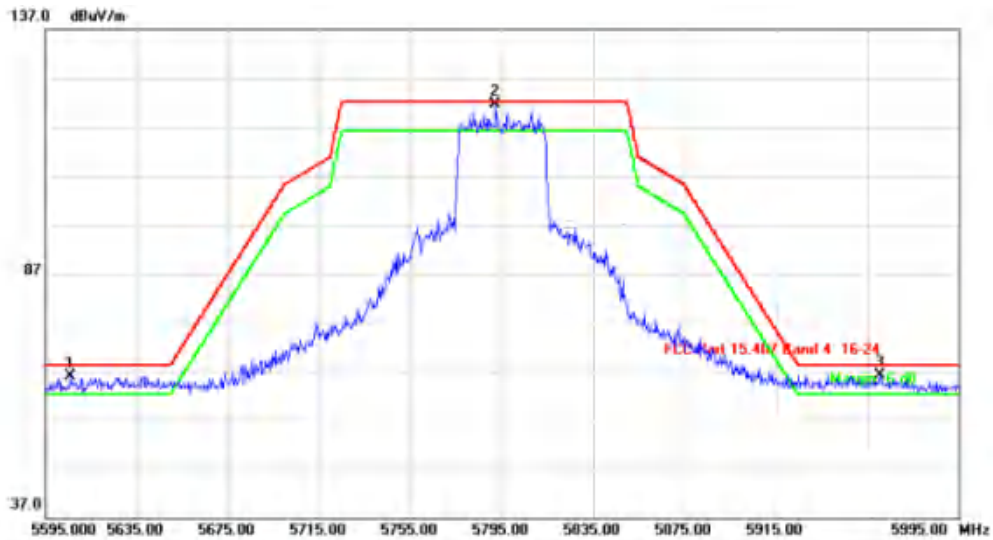
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 11506.000 | 59.78 | -0.33 | 59.45 | 74.00 | -14.55 | | |
| 2 | * | 11508.317 | 50.96 | -0.34 | 50.62 | 54.00 | -3.38 | | |
| 3 | | 17263.500 | 53.39 | 3.95 | 57.34 | 68.20 | -10.86 | | |

Above 1G (1GHz~40GHz)

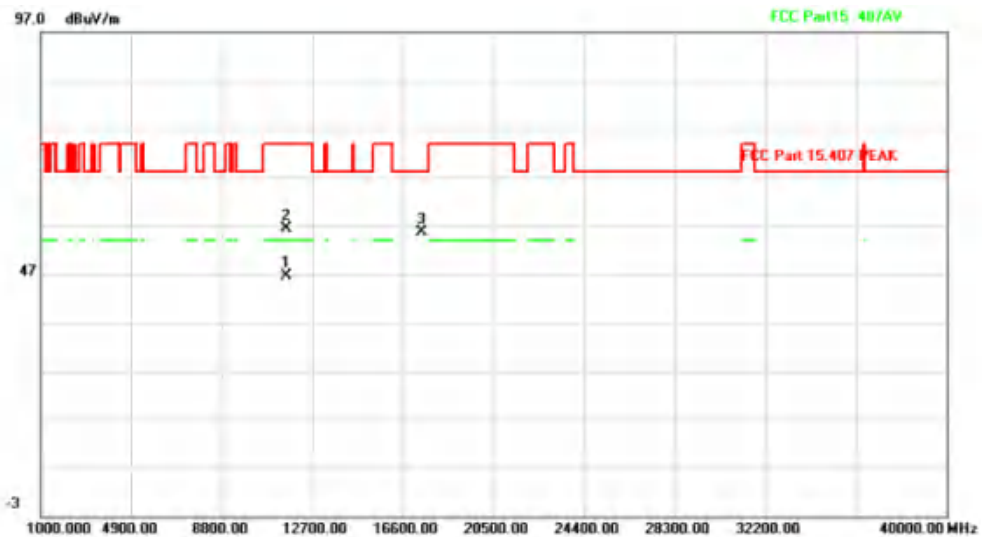
Test mode: 11AX40MIMO

Test Channel:159

VERTICAL

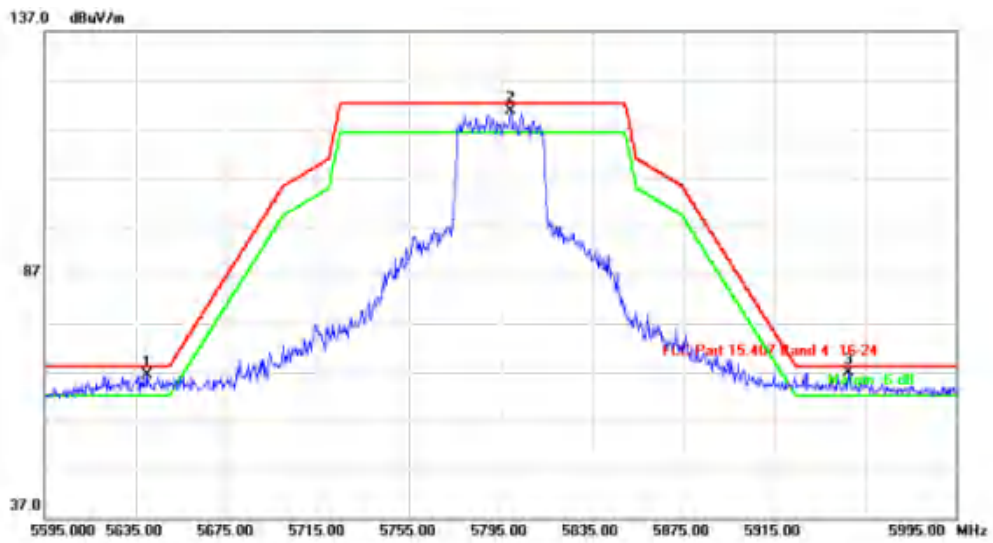


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Antenna Height cm | Table Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|-------------------------|-----------------|---------|
| 1 | ! | 5605.800 | 32.28 | 33.69 | 65.97 | 68.20 | -2.23 | peak | | | |
| 2 | * | 5792.200 | 87.53 | 34.03 | 121.56 | 122.20 | -0.64 | peak | | | |
| 3 | ! | 5960.600 | 31.76 | 34.33 | 66.09 | 68.20 | -2.11 | peak | | | |

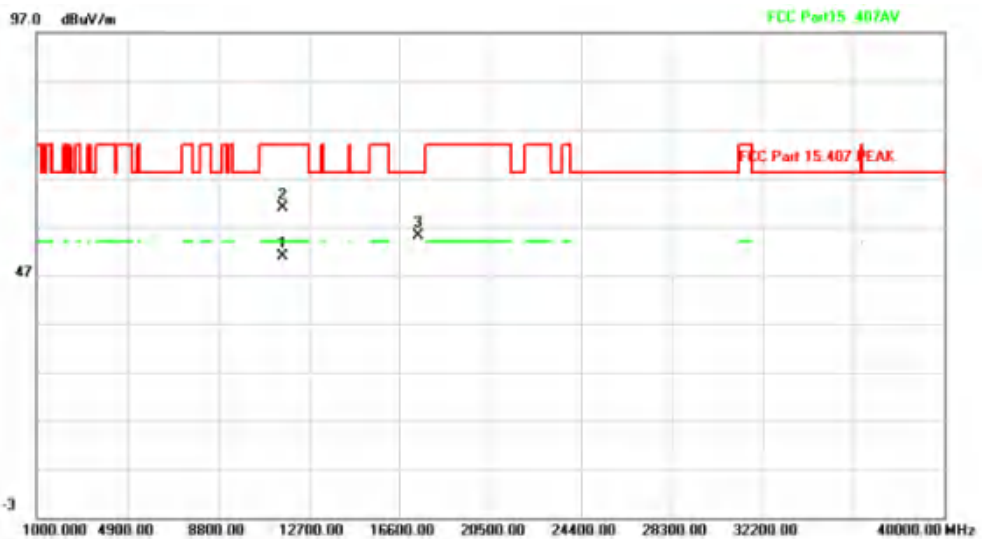


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Antenna Height cm | Table Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|-------------------------|-----------------|---------|
| 1 | * | 11591.052 | 47.22 | -0.64 | 46.58 | 54.00 | -7.42 | AVG | | | |
| 2 | | 11592.500 | 56.95 | -0.65 | 56.30 | 74.00 | -17.70 | peak | | | |
| 3 | | 17386.500 | 50.92 | 4.66 | 55.58 | 68.20 | -12.62 | peak | | | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | ! | 5639.800 | 32.57 | 33.75 | 66.32 | 68.20 | -1.88 | | | peak |
| 2 | ! | 5799.400 | 86.55 | 34.04 | 120.59 | 122.20 | -1.61 | | | peak |
| 3 | * | 5947.800 | 32.56 | 34.31 | 66.87 | 68.20 | -1.33 | | | peak |



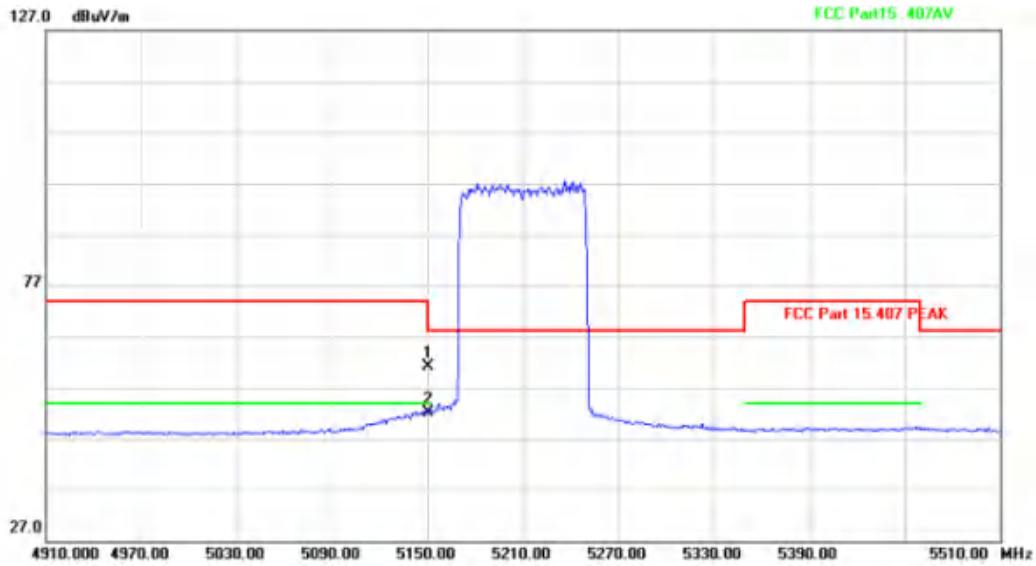
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | * | 11588.294 | 51.46 | -0.63 | 50.83 | 54.00 | -3.17 | | | AVG |
| 2 | | 11592.500 | 61.42 | -0.65 | 60.77 | 74.00 | -13.23 | | | peak |
| 3 | | 17386.500 | 50.54 | 4.66 | 55.20 | 68.20 | -13.00 | | | peak |

Above 1G (1GHz~40GHz)

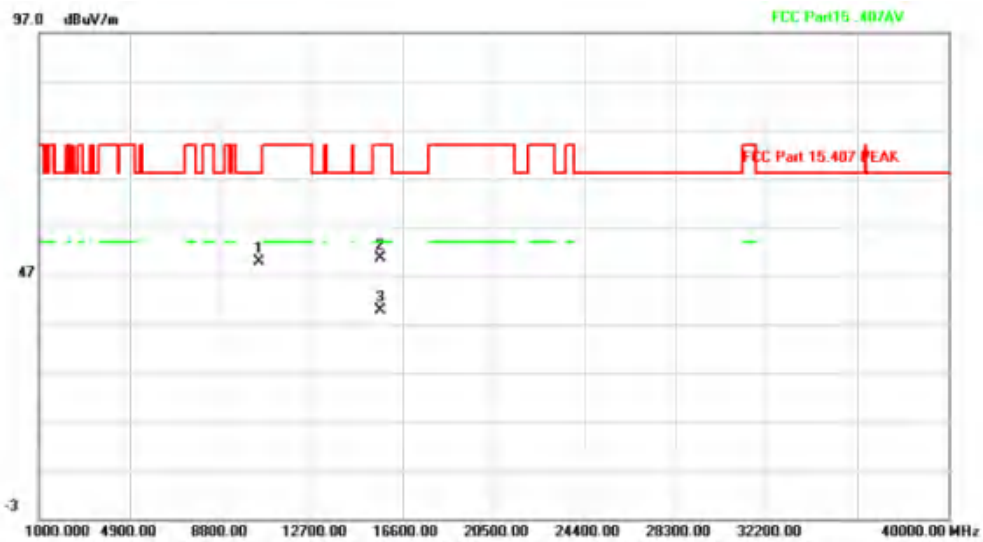
Test mode: 11AX80MIMO

Test Channel:42

VERTICAL

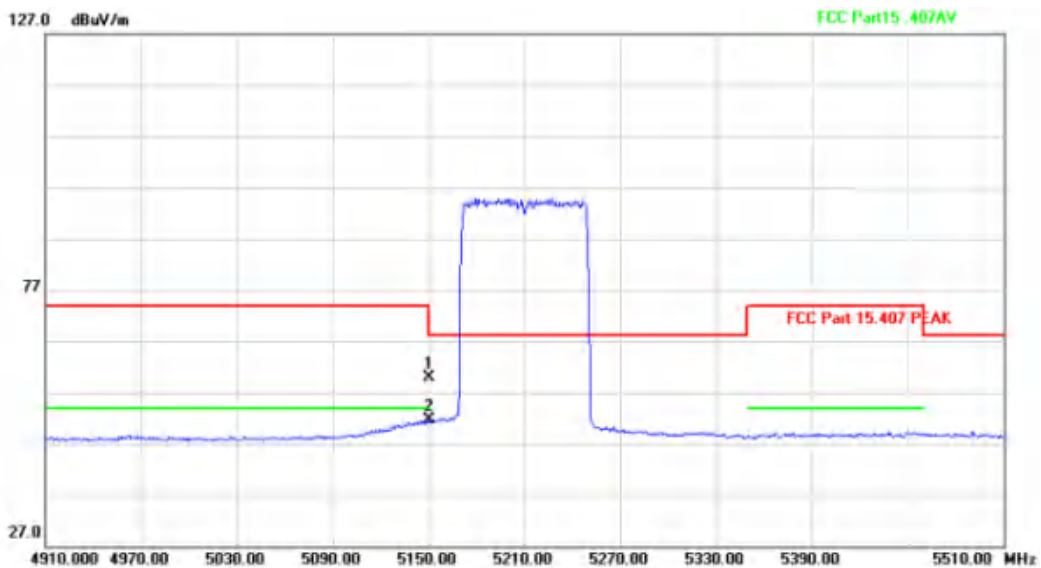


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5150.000 | 27.64 | 33.43 | 61.07 | 74.00 | -12.93 | | | peak |
| 2 | * | 5150.000 | 18.81 | 33.43 | 52.24 | 54.00 | -1.76 | | | AVG |

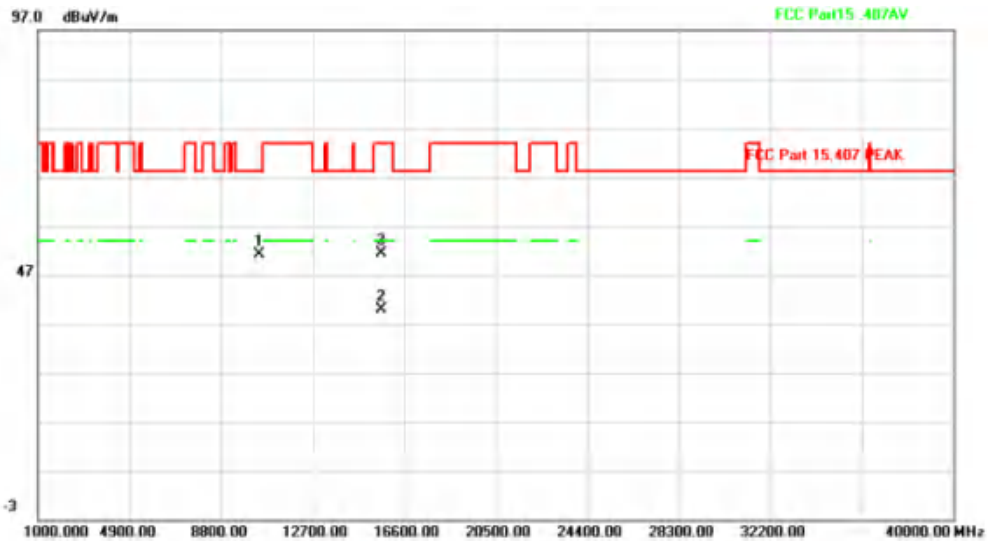


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10425.000 | 53.30 | -3.51 | 49.79 | 68.20 | -18.41 | | | peak |
| 2 | | 15631.000 | 50.87 | -0.15 | 50.72 | 74.00 | -23.28 | | | peak |
| 3 | * | 15632.624 | 40.12 | -0.15 | 39.97 | 54.00 | -14.03 | | | AVG |

HORIZONTALA



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5150.000 | 26.49 | 33.43 | 59.92 | 74.00 | -14.08 | | | peak |
| 2 * | | 5150.000 | 18.23 | 33.43 | 51.66 | 54.00 | -2.34 | | | AVG |



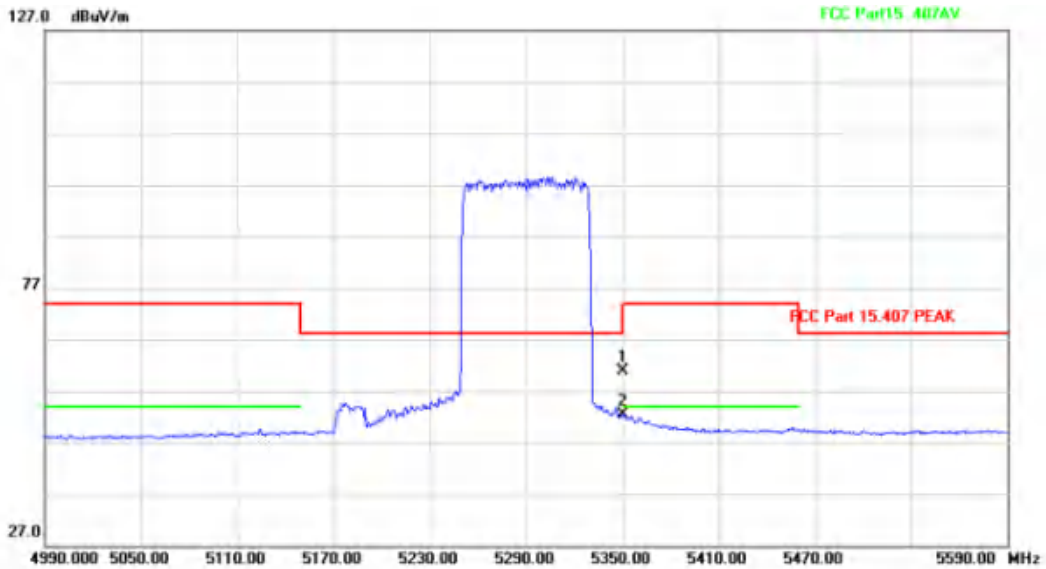
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10425.000 | 54.52 | -3.51 | 51.01 | 68.20 | -17.19 | | | peak |
| 2 * | | 15629.847 | 40.00 | -0.15 | 39.85 | 54.00 | -14.15 | | | AVG |
| 3 | | 15631.000 | 51.56 | -0.15 | 51.41 | 74.00 | -22.59 | | | peak |

Above 1G (1GHz~40GHz)

Test mode: 11AX80MIMO

Test Channel:58

VERTICAL

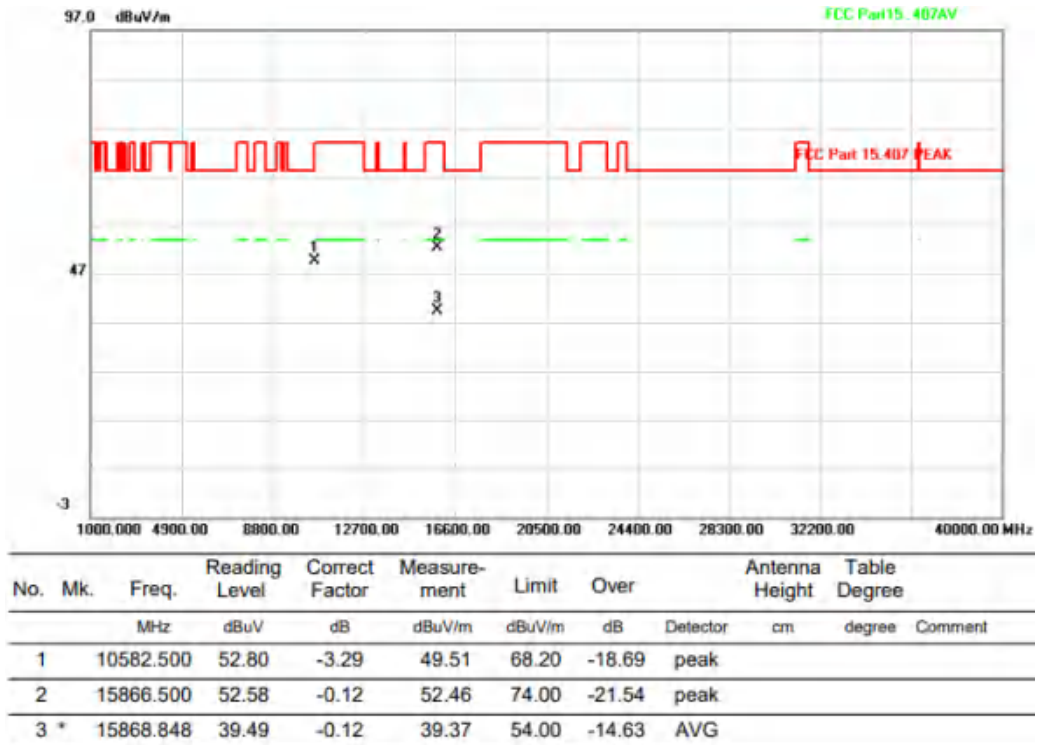
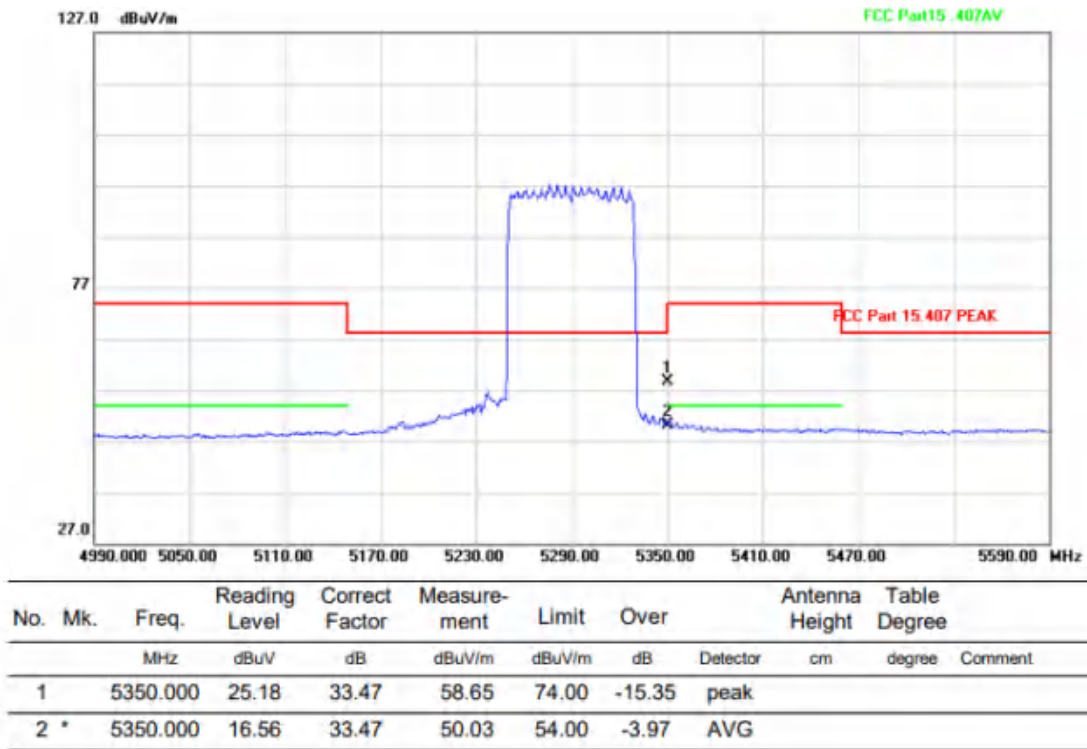


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 5350.000 | 27.48 | 33.47 | 60.95 | 74.00 | -13.05 | peak | |
| 2 * | | 5350.000 | 18.97 | 33.47 | 52.44 | 54.00 | -1.56 | AVG | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | | 10582.500 | 52.92 | -3.29 | 49.63 | 68.20 | -18.57 | peak | |
| 2 | | 15866.500 | 50.93 | -0.12 | 50.81 | 74.00 | -23.19 | peak | |
| 3 * | | 15871.845 | 39.46 | -0.12 | 39.34 | 54.00 | -14.66 | AVG | |

HORIZONTAL

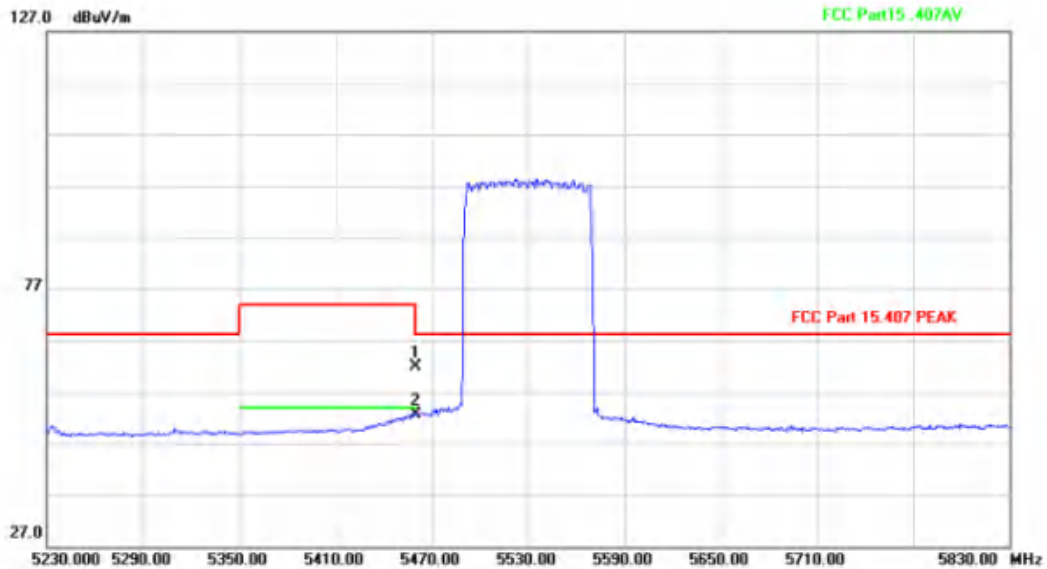


Above 1G (1GHz~40GHz)

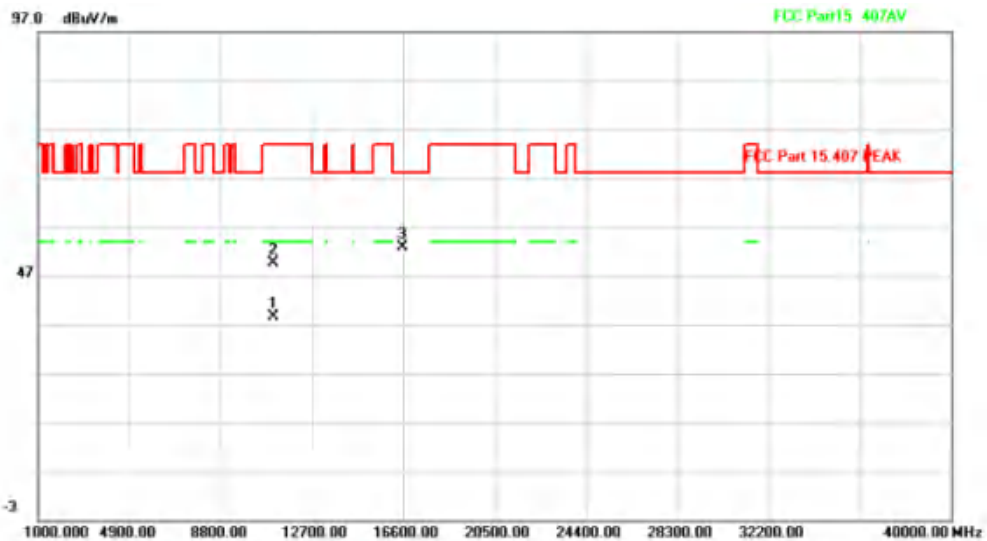
Test mode: 11AX80MIMO

Test Channel:106

VERTICAL

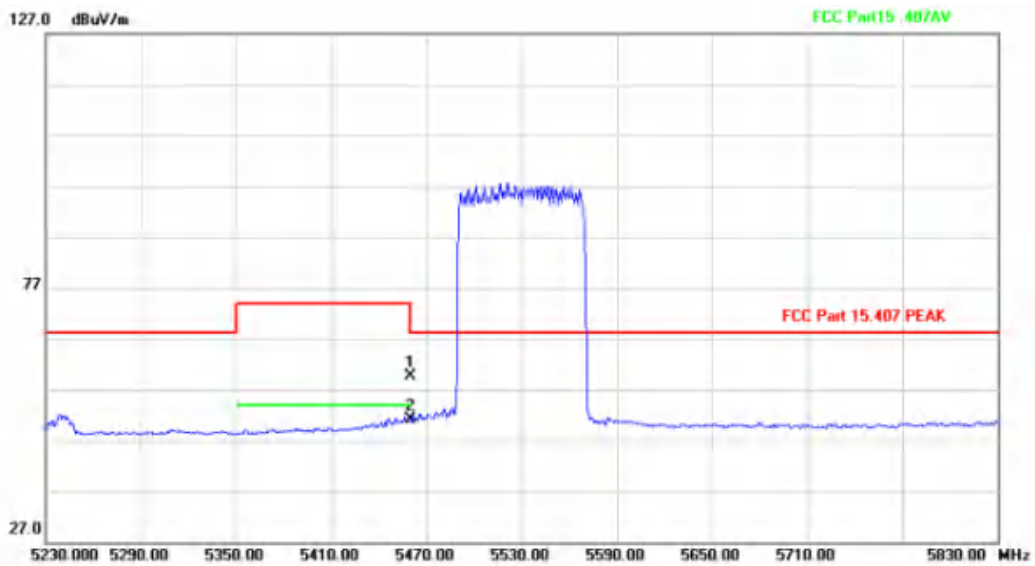


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | | 5460.000 | 28.29 | 33.49 | 61.78 | 74.00 | -12.22 | peak | | |
| 2 * | | 5460.000 | 19.24 | 33.49 | 52.73 | 54.00 | -1.27 | AVG | | |

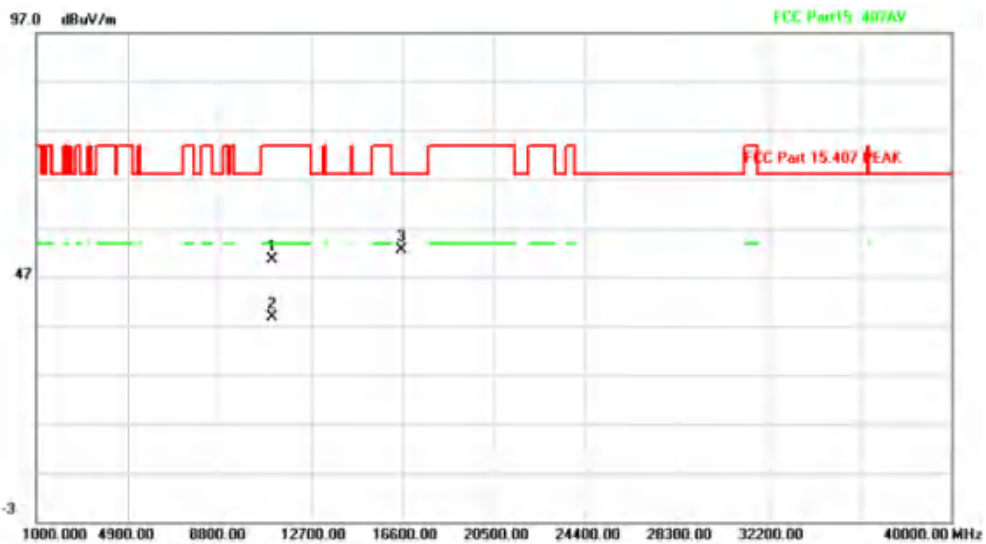


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 * | | 11061.784 | 41.26 | -2.52 | 38.74 | 54.00 | -15.26 | AVG | | |
| 2 | | 11062.500 | 52.14 | -2.51 | 49.63 | 74.00 | -24.37 | peak | | |
| 3 | | 16590.500 | 51.34 | 1.48 | 52.82 | 68.20 | -15.38 | peak | | |

HORIZONTALA



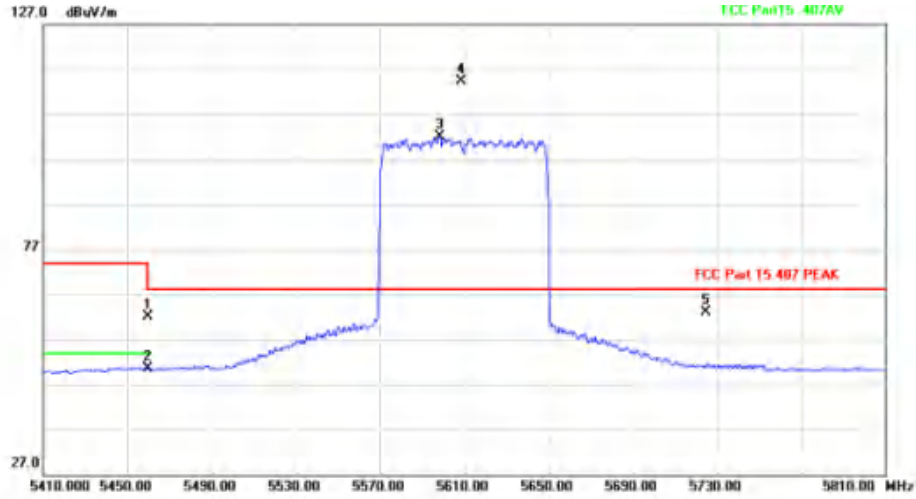
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | | 5460.000 | 26.14 | 33.49 | 59.63 | 74.00 | -14.37 | | | peak |
| 2 * | | 5460.000 | 17.74 | 33.49 | 51.23 | 54.00 | -2.77 | | | AVG |



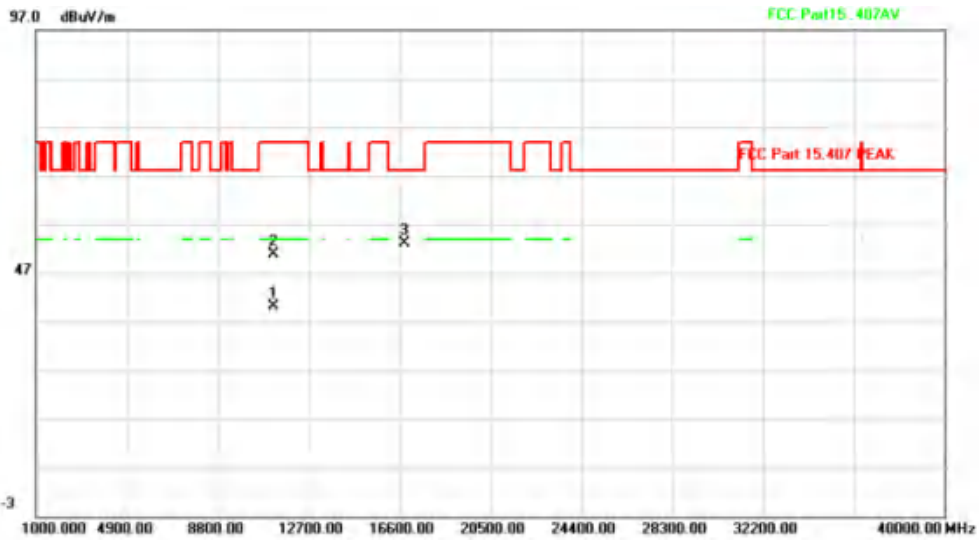
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | Comment |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | |
| 1 | | 11062.500 | 53.11 | -2.51 | 50.60 | 74.00 | -23.40 | | | peak |
| 2 * | | 11063.329 | 41.28 | -2.51 | 38.77 | 54.00 | -15.23 | | | AVG |
| 3 | | 16590.500 | 51.23 | 1.48 | 52.71 | 68.20 | -15.49 | | | peak |

| | | |
|-----------------------|-----------------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode: 11AX80MIMO | Test Channel:122 |
|-----------------------|-----------------------|------------------|

VERTICAL

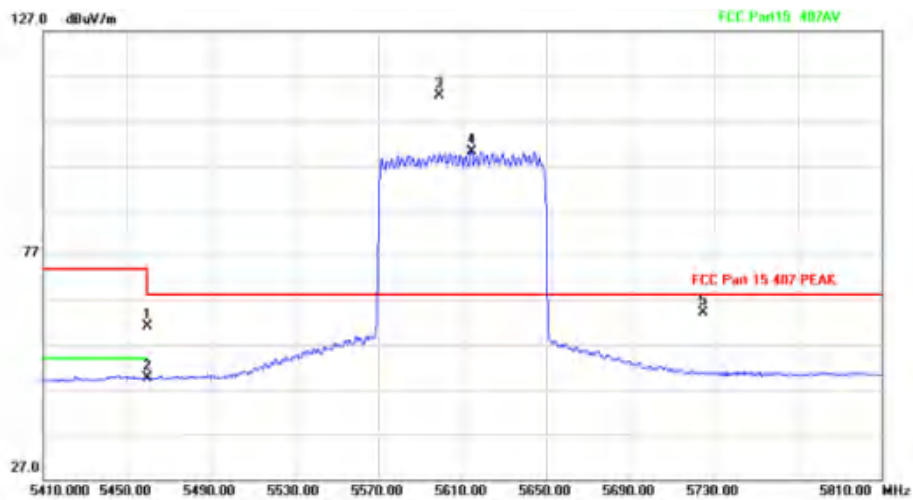


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5460.000 | 28.71 | 33.49 | 62.20 | 74.00 | -11.80 | | | peak |
| 2 | | 5460.000 | 17.16 | 33.49 | 50.65 | 54.00 | -3.35 | | | AVG |
| 3 | X | 5598.400 | 68.44 | 33.68 | 102.12 | 68.20 | 33.92 | | | AVG |
| 4 | * | 5608.400 | 80.56 | 33.70 | 114.26 | 68.20 | 46.06 | | | peak |
| 5 | | 5725.000 | 29.16 | 33.91 | 63.07 | 68.20 | -5.13 | | | peak |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11224.441 | 41.74 | -1.70 | 40.04 | 54.00 | -13.96 | | | AVG |
| 2 | | 11225.500 | 52.48 | -1.69 | 50.79 | 74.00 | -23.21 | | | peak |
| 3 | | 16835.500 | 51.20 | 2.05 | 53.25 | 68.20 | -14.95 | | | peak |

HORIZONTALA



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5460.000 | 27.61 | 33.49 | 61.10 | 74.00 | -12.90 | | | peak |
| 2 | | 5460.000 | 16.16 | 33.49 | 49.65 | 54.00 | -4.35 | | | AVG |
| 3 | * | 5599.210 | 78.98 | 33.68 | 112.66 | 68.20 | 44.46 | | | peak |
| 4 | X | 5614.400 | 66.33 | 33.71 | 100.04 | 68.20 | 31.84 | | | AVG |
| 5 | | 5725.000 | 30.25 | 33.91 | 64.16 | 68.20 | -4.04 | | | peak |



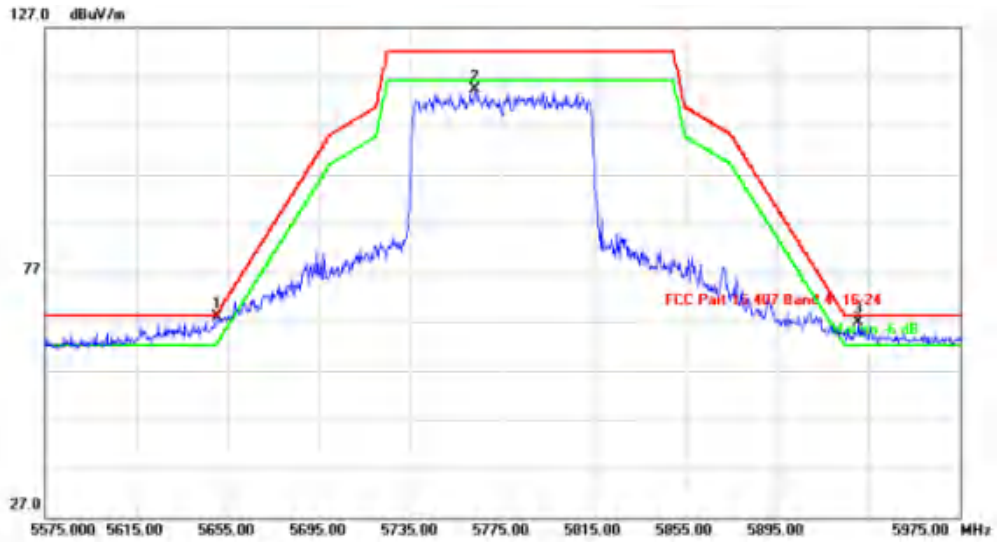
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 11222.597 | 43.19 | -1.71 | 41.48 | 54.00 | -12.52 | | | AVG |
| 2 | | 11225.500 | 53.83 | -1.69 | 52.14 | 74.00 | -21.86 | | | peak |
| 3 | | 16835.500 | 51.03 | 2.05 | 53.08 | 68.20 | -15.12 | | | peak |

Above 1G (1GHz~40GHz)

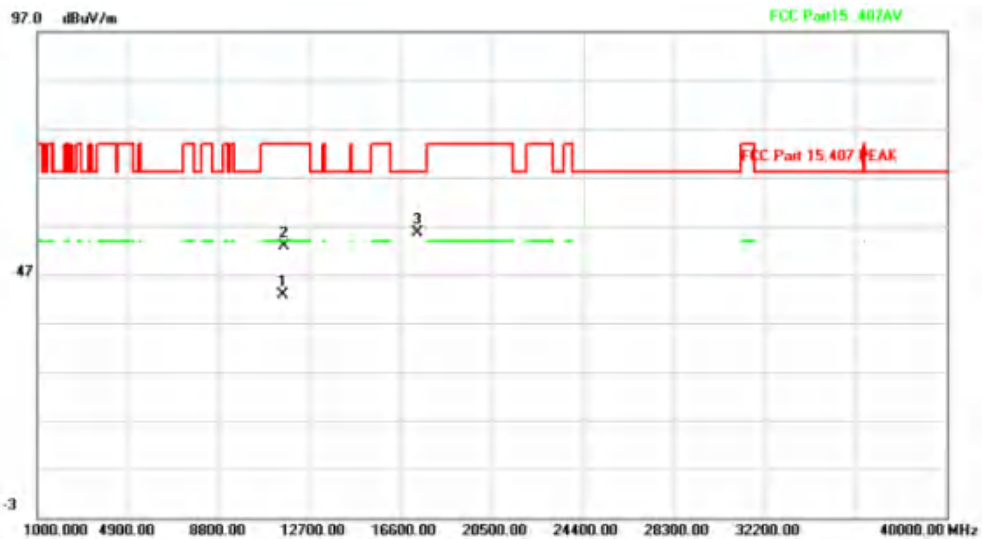
Test mode: 11AX80MIMO

Test Channel:155

VERTICAL

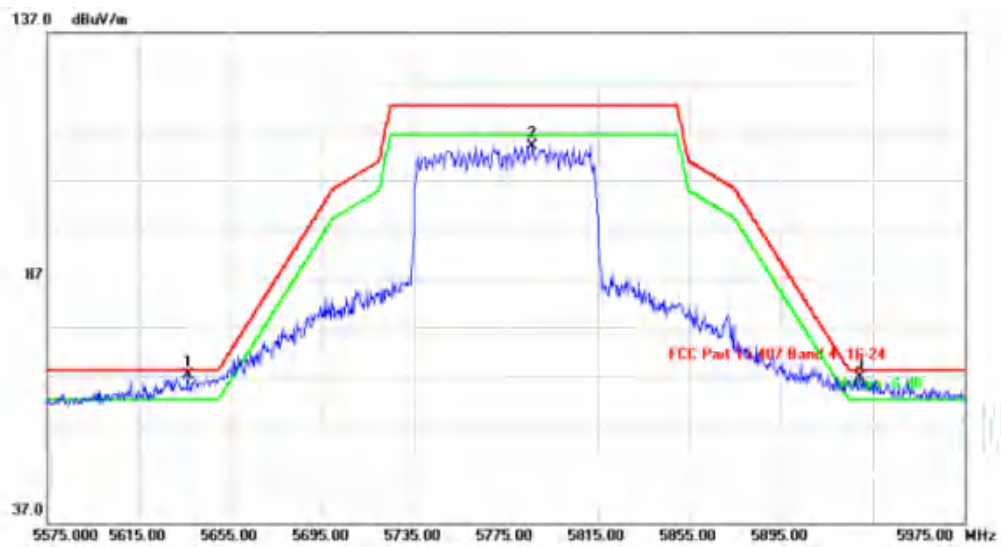


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | * | 5650.200 | 34.10 | 33.77 | 67.87 | 68.35 | -0.48 | peak | |
| 2 | | 5763.000 | 80.38 | 33.97 | 114.35 | 122.20 | -7.85 | peak | |
| 3 | ! | 5930.600 | 32.48 | 34.28 | 66.76 | 68.20 | -1.44 | peak | |

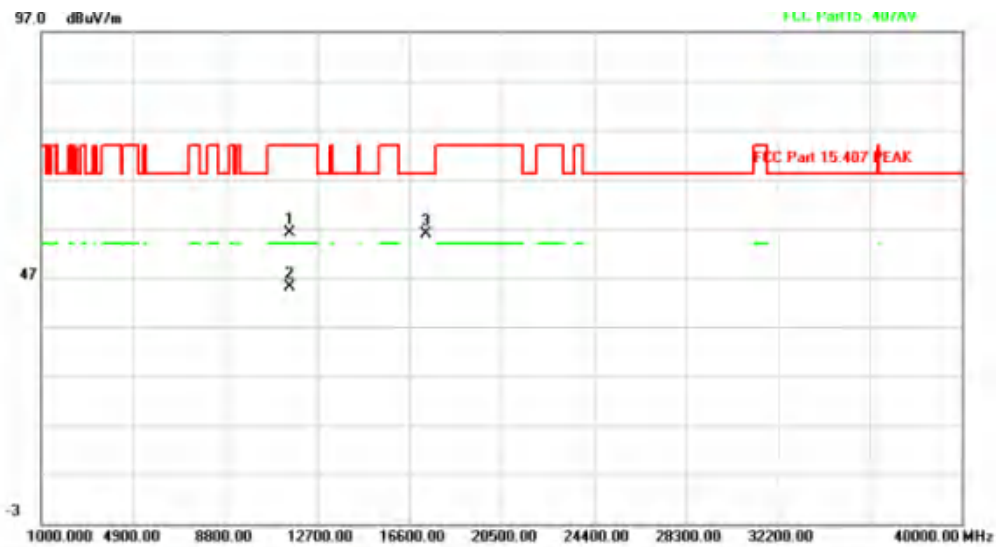


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree |
| 1 | * | 11551.156 | 43.47 | -0.50 | 42.97 | 54.00 | -11.03 | AVG | |
| 2 | | 11557.000 | 53.43 | -0.52 | 52.91 | 74.00 | -21.09 | peak | |
| 3 | | 17325.500 | 51.26 | 4.31 | 55.57 | 68.20 | -12.63 | peak | |

HORIZONTAL



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | * | 5636.600 | 33.31 | 33.75 | 67.06 | 68.20 | -1.14 | | | peak |
| 2 | | 5786.600 | 79.91 | 34.02 | 113.93 | 122.20 | -8.27 | | | peak |
| 3 | ! | 5929.400 | 32.45 | 34.27 | 66.72 | 68.20 | -1.48 | | | peak |



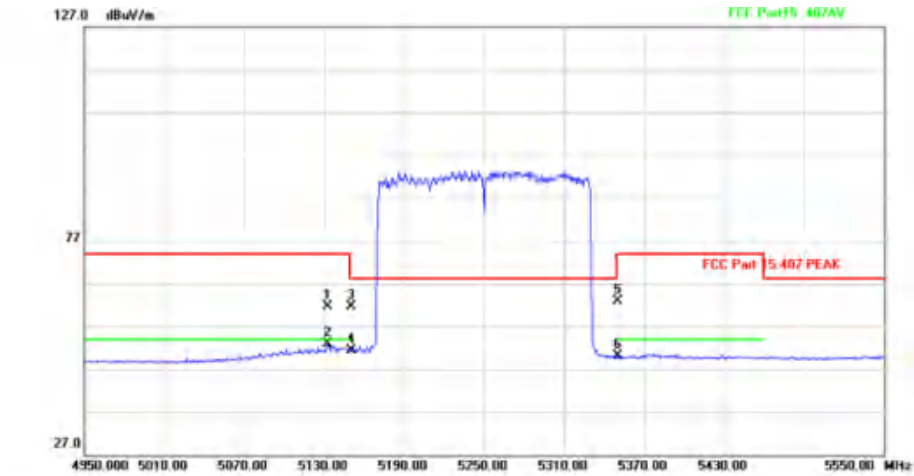
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11552.500 | 56.70 | -0.50 | 56.20 | 74.00 | -17.80 | | | peak |
| 2 | * | 11553.209 | 45.72 | -0.50 | 45.22 | 54.00 | -8.78 | | | AVG |
| 3 | | 17325.500 | 51.49 | 4.31 | 55.80 | 68.20 | -12.40 | | | peak |

Above 1G (1GHz~40GHz)

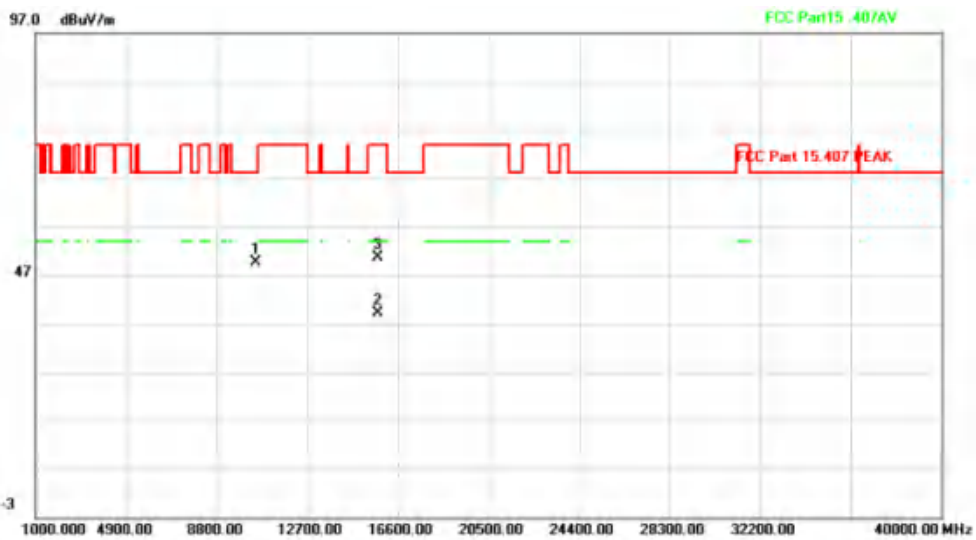
Test mode: 11AX160MIMO

Test Channel:50

VERTICAL

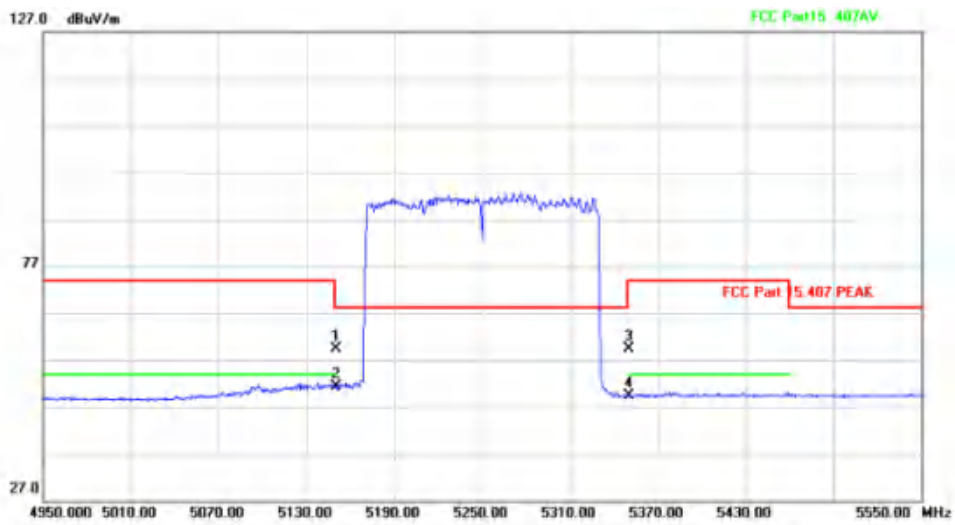


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5133.000 | 28.14 | 33.43 | 61.57 | 74.00 | -12.43 | peak | | |
| 2 | * | 5133.000 | 19.53 | 33.43 | 52.96 | 54.00 | -1.04 | AVG | | |
| 3 | | 5150.000 | 28.16 | 33.43 | 61.59 | 74.00 | -12.41 | peak | | |
| 4 | | 5150.000 | 17.89 | 33.43 | 51.32 | 54.00 | -2.68 | AVG | | |
| 5 | | 5350.000 | 29.36 | 33.47 | 62.83 | 74.00 | -11.17 | peak | | |
| 6 | | 5350.000 | 16.70 | 33.47 | 50.17 | 54.00 | -3.83 | AVG | | |

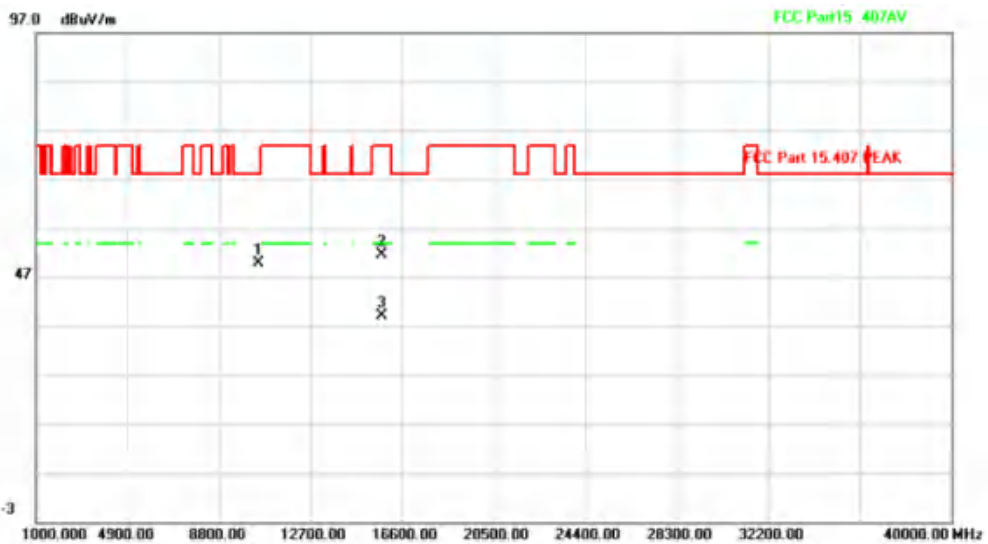


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10501.500 | 52.89 | -3.38 | 49.51 | 68.20 | -18.69 | peak | | |
| 2 | * | 15748.036 | 39.28 | -0.14 | 39.14 | 54.00 | -14.86 | AVG | | |
| 3 | | 15754.500 | 50.80 | -0.13 | 50.67 | 74.00 | -23.33 | peak | | |

HORIZONTALA



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5150.000 | 25.90 | 33.43 | 59.33 | 74.00 | -14.67 | | | peak |
| 2 | * | 5150.000 | 17.91 | 33.43 | 51.34 | 54.00 | -2.66 | | | AVG |
| 3 | | 5350.000 | 25.97 | 33.47 | 59.44 | 74.00 | -14.56 | | | peak |
| 4 | | 5350.000 | 15.97 | 33.47 | 49.44 | 54.00 | -4.56 | | | AVG |



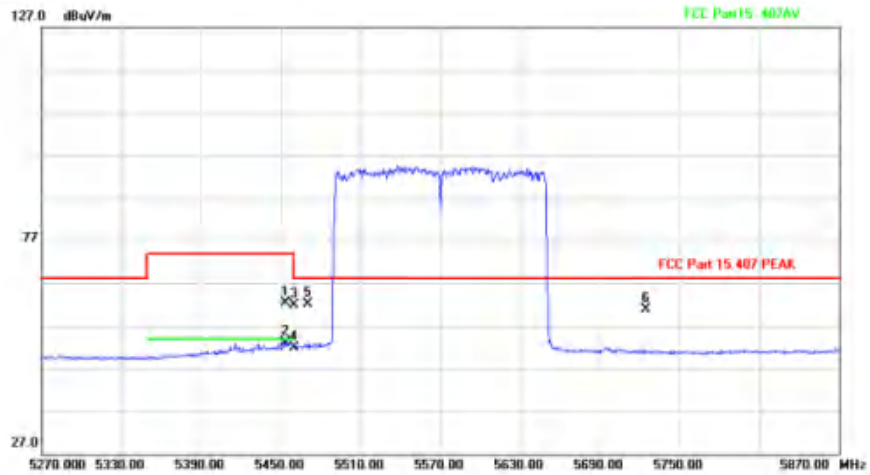
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 10501.500 | 53.26 | -3.38 | 49.88 | 68.20 | -18.32 | | | peak |
| 2 | | 15754.500 | 51.69 | -0.13 | 51.56 | 74.00 | -22.44 | | | peak |
| 3 | * | 15756.268 | 39.24 | -0.13 | 39.11 | 54.00 | -14.89 | | | AVG |

Above 1G (1GHz~40GHz)

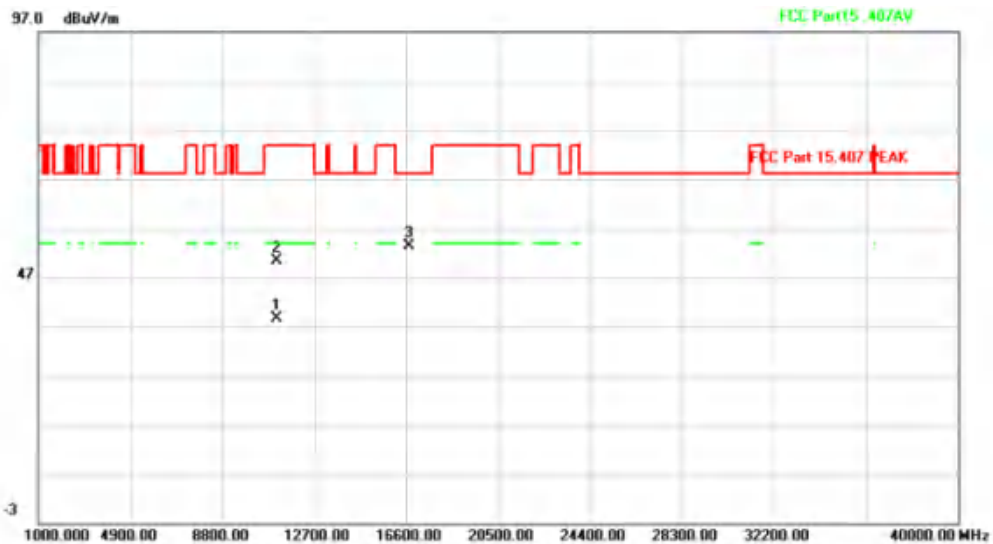
Test mode: 11AX160MIMO

Test Channel:114

VERTICAL

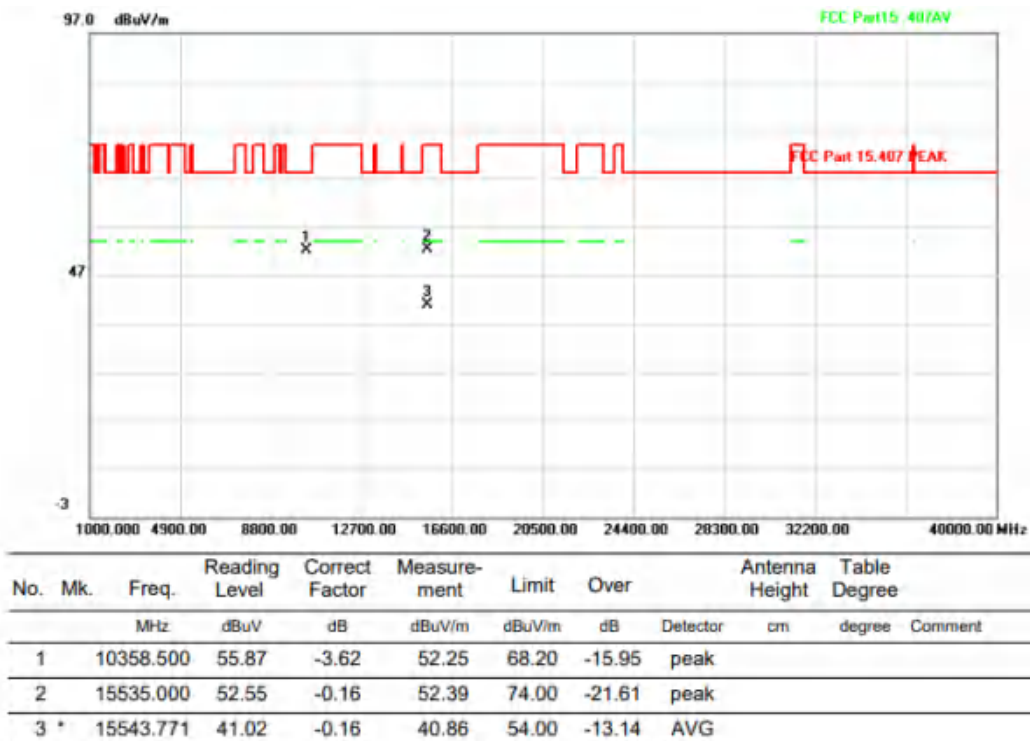
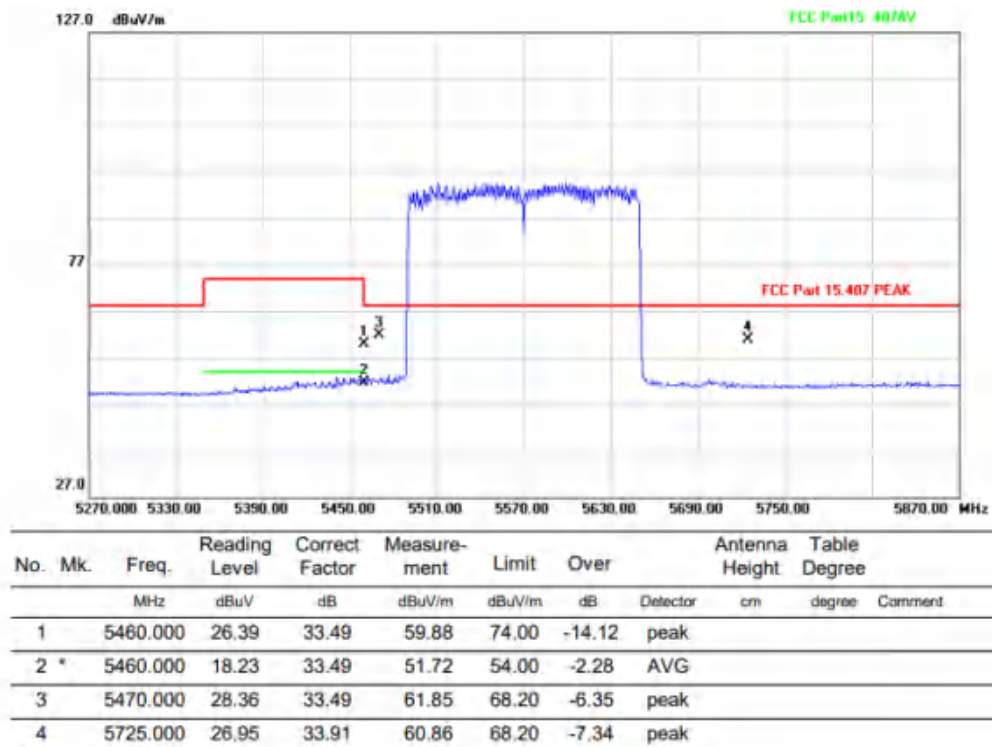


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 5453.600 | 28.83 | 33.49 | 62.32 | 74.00 | -11.68 | | | peak |
| 2 * | | 5453.600 | 19.60 | 33.49 | 53.09 | 54.00 | -0.91 | | | AVG |
| 3 | | 5460.000 | 28.47 | 33.49 | 61.96 | 74.00 | -12.04 | | | peak |
| 4 | | 5460.000 | 18.47 | 33.49 | 51.96 | 54.00 | -2.04 | | | AVG |
| 5 | | 5470.000 | 28.64 | 33.49 | 62.13 | 68.20 | -6.07 | | | peak |
| 6 | | 5725.000 | 26.98 | 33.91 | 60.89 | 68.20 | -7.31 | | | peak |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 11137.012 | 40.81 | -2.14 | 38.67 | 54.00 | -15.33 | | | AVG |
| 2 | | 11139.000 | 52.41 | -2.13 | 50.28 | 74.00 | -23.72 | | | peak |
| 3 * | | 16713.500 | 51.50 | 1.77 | 53.27 | 68.20 | -14.93 | | | peak |

HORIZONTALA



Note: All the EUT's emissions had been evaluated for simultaneous transmission with the WIFI 2.4GHz and WIFI 5GHz, and there were no any additional or worse emissions found.