# FCC RADIO TEST REPORT

| | | |
|---|---|---|
| **FCC ID** | : | **2ABOF-G2BNF356900** |
| **Equipment** | : | **G2 Base Node (BN)** |
| **Brand Name** | : | **Tarana** |
| **Model Name** | : | **G2BNF356900** |
| **Applicant** | : | **Tarana Wireless, Inc.<br>630 Alder Drive, Milpitas, CA 95035** |
| **Manufacturer** | : | **Tarana Wireless, Inc.<br>630 Alder Drive, Milpitas, CA 95035** |
| **Standard** | : | **FCC Part 15 Subpart E §15.407** |

**The product was received on Mar. 20, 2025 and testing was performed from Apr. 02, 2025 to Apr. 24, 2025. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.**

**The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International (USA) Inc., the test report shall not be reproduced except in full.**

**Approved by: Neil Kao**

*Sporton International (USA) Inc.*
*1175 Montague Expressway, Milpitas, CA 95035*

# Table of Contents

# History of this test report

| Report No. | Version | Description | Issue Date |
|---|---|---|---|
| FR250228001A | 01 | Initial issue of report | May 02, 2025 |
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# Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---|---|---|---|---|
| 3.1 | 15.403(i) | 6dB & 26dB Bandwidth | Pass | - |
| 3.1 | 2.1049 | 99% Occupied Bandwidth | Pass | - |
| 3.2 | 15.407(a) | Maximum Conducted Output Power | Pass | - |
| 3.3 | 15.407(a) | Power Spectral Density | Pass | - |
| 3.4 | 15.407(b) | Unwanted Emissions | Pass | - |
| 3.5 | 15.207 | AC Conducted Emission | Pass | - |
| 3.6 | 15.203 | Antenna Requirement | Pass | - |

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature |
|---|
| **General Specs**<br>Proprietary radio 5G / 6G, CBRS and GNSS.<br><br>**Antenna Type**<br>Proprietary radio 5G: Array antenna |

| Antenna information | | |
|---|---|---|
| **5725 MHz ~ 5850 MHz** | Peak Gain (dBi) | 16.3 |

**Remark:** The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

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## 1.2 Modification of EUT

No modifications made to the EUT during the testing.

## 1.3 Testing Location

| | |
|---|---|
| **Test Site** | Sporton International (USA) Inc. |
| **Test Site Location** | 1175 Montague Expressway, Milpitas, CA 95035<br>TEL : 408 9043300 |
| **Test Site No.** | **Sporton Site No.** |
| | TH01-CA, CO01-CA, 03CH01-CA |

**Note:** The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: US1250

## 1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2020

**Remark:** All the test items were validated and recorded in accordance with the standards without any modification during the testing.

# 2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

b. AC power line Conducted Emission was tested under maximum output power.

## 2.1 Carrier Frequency and Channel

| Frequency Band | Channel | Freq. (MHz) |
|---|---|---|
| 5725-5850 MHz (U-NII-3) 40MHz | 151 | 5755 |
| | 153 | 5765 |
| | 155 | 5775 |
| | 157 | 5785 |
| | 159 | 5795 |
| | 161 | 5805 |
| | 163 | 5815 |
| | 165 | 5825 |
| 5725-5850 MHz (U-NII-3) 40+40MHz | 151+159 | 5755 + 5795 |
| | 157+165 | 5785 + 5825 |

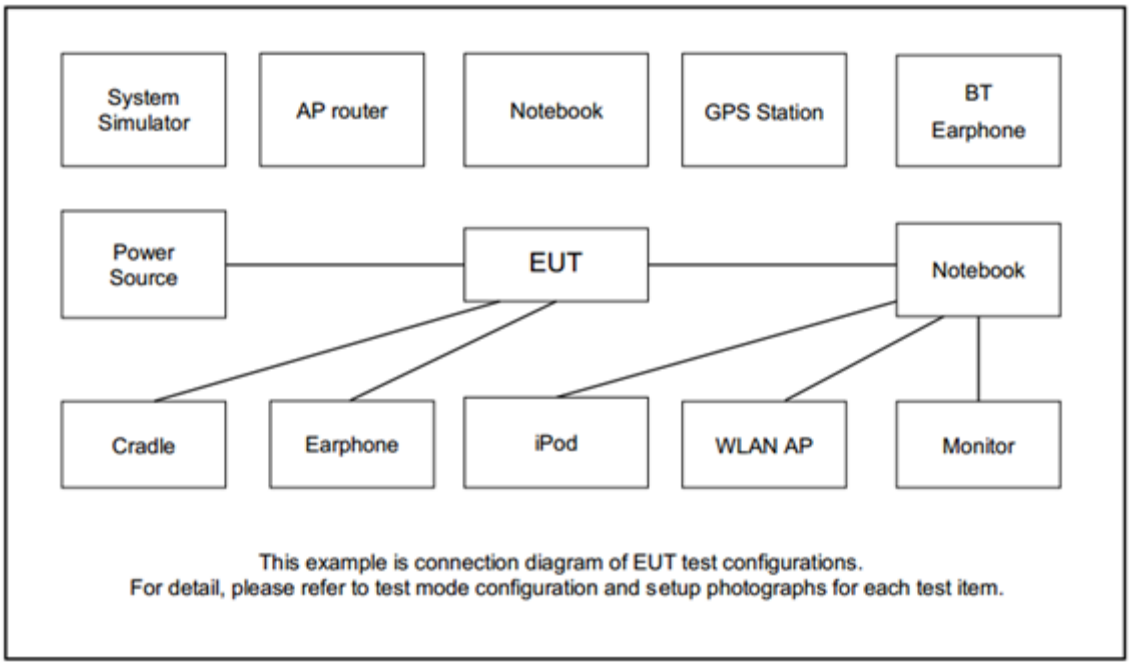
## 2.2 Test Mode

**The final test modes include the worst data rates for each modulation shown in the table below.**

| Test Cases | |
|---|---|
| **AC Conducted Emission** | Mode 1 : 5GHz Tx + Adapter |

**Remark:**
1. The detailed Radiated test modes are shown in Appendix C.
2. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power

## 2.3 Connection Diagram of Test System




## 2.4 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model Name | FCC ID | Data Cable | Power Cord |
|---|---|---|---|---|---|---|
| 1. | Power Supply w/adapter | MEAN WELL | HLG-600H-54A | N/A | N/A | N/A |
| 2. | Desktop Computer | Lenovo | M93p | N/A | N/A | AC I/P: Unshielded, 1.2 m |

## 2.5 EUT Operation Test Setup

The RF test items, utility “Terminal” was used on the Linux-based support desktop. Command-line scripts were executed to place the EUT into engineering modes to provide channel frequency and bandwidth selection, power level and continuous transmitting mode.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
*Offset = RF cable loss + attenuator factor.*
Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

*Offset(dB) = RF cable loss(dB) + attenuator factor(dB).*
= 4.2 + 10 = 14.2 (dB)

# 3 Test Result

## 3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

### 3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

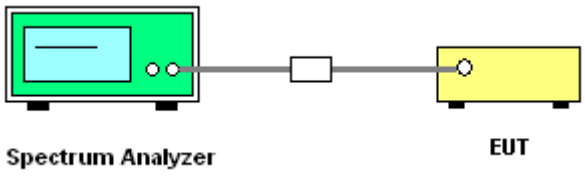
### 3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

### 3.1.4 Test Setup




### 3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

## 3.2 Maximum Conducted Output Power Measurement

### 3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

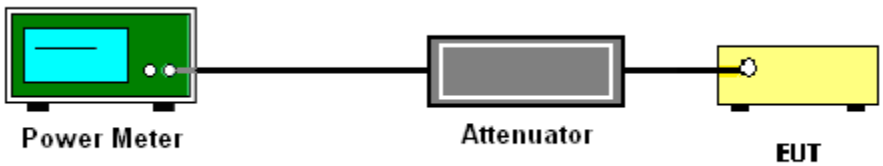
### 3.2.3 Test Procedures

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

### 3.2.4 Test Setup




### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

# 3.3 Power Spectral Density Measurement

## 3.3.1 Limit of Power Spectral Density

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

## 3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

## 3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

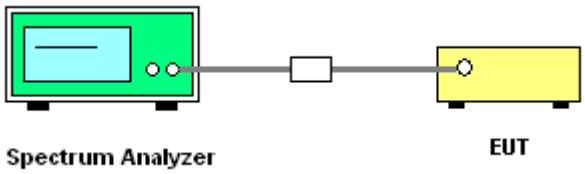
**# Method SA-1 #**

(trace averaging with the EUT transmitting at full power throughout each sweep).

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
   Method (c): Measure and add 10 log($N_{ANT}$) dB.
   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log($N_{ANT}$) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log($N_{ANT}$) dB serves to apportion the emission limit among the $N_{ANT}$ outputs so that each output is permitted to contribute no more than 1/$N_{ANT}$ $^{th}$ of the PSD limit.

### 3.3.4 Test Setup




### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

## 3.4 Unwanted Emissions Measurement

### 3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.725-5.85 GHz band:

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.

(2) Unwanted spurious emissions falls in restricted bands shall comply with the general field strength limits as below table,

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

**Note:** The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

| EIRP (dBm) | Field Strength at 3m (dBμV/m) |
|---|---|
| - 27 | 68.3 |

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

### 3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

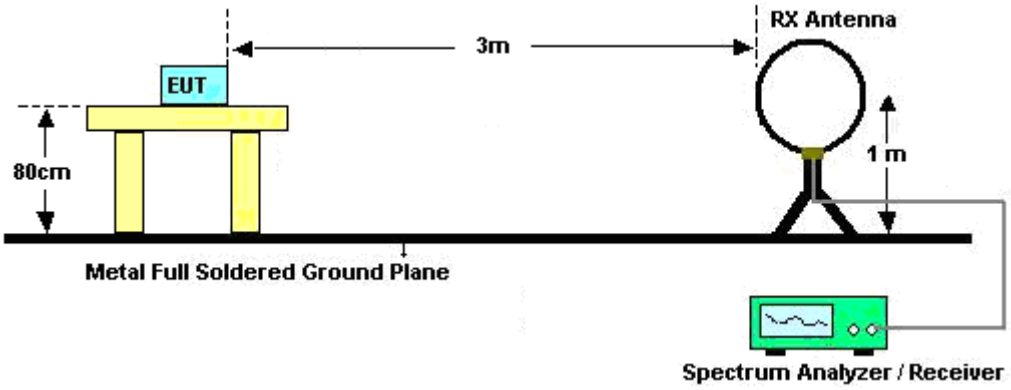
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

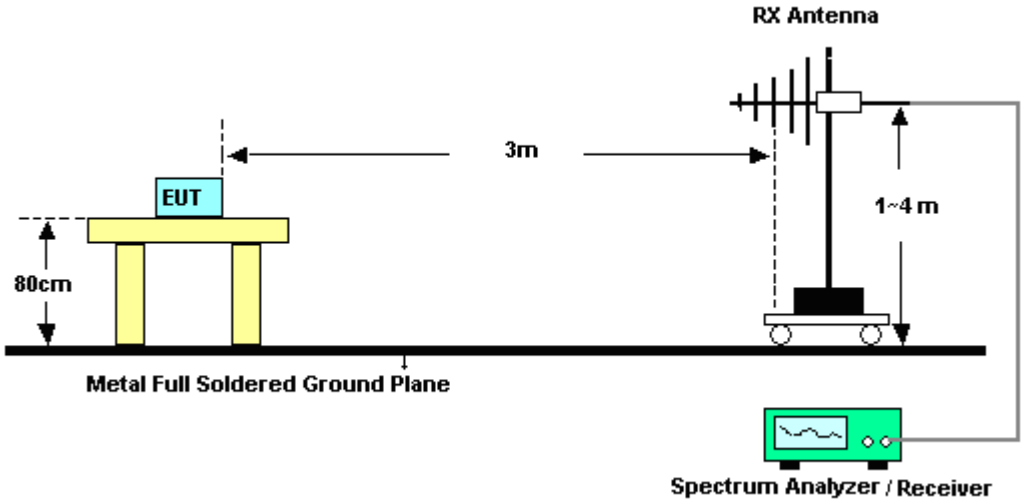
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-"..
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies.
   When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

### 3.4.4 Test Setup

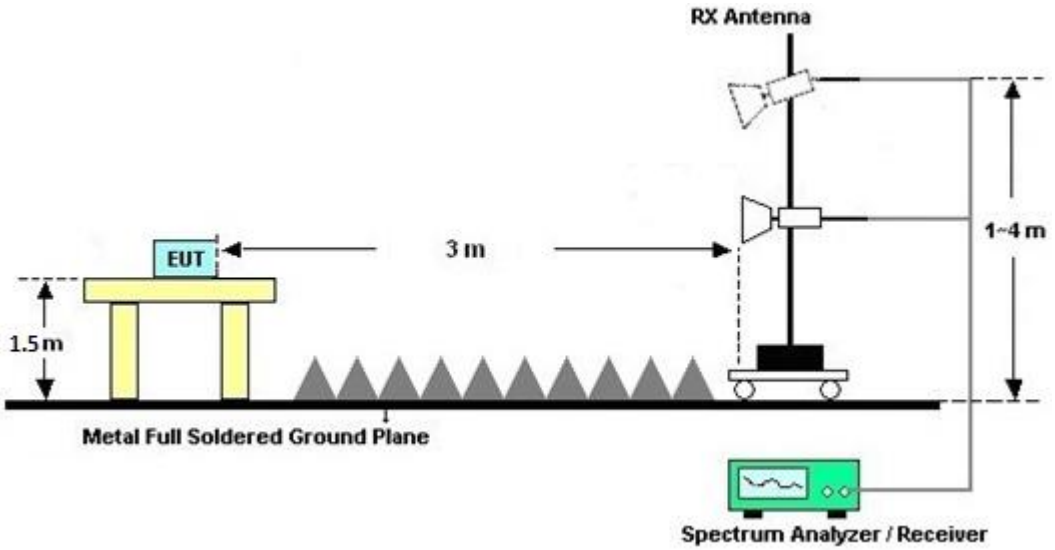
**For radiated emissions below 30MHz**



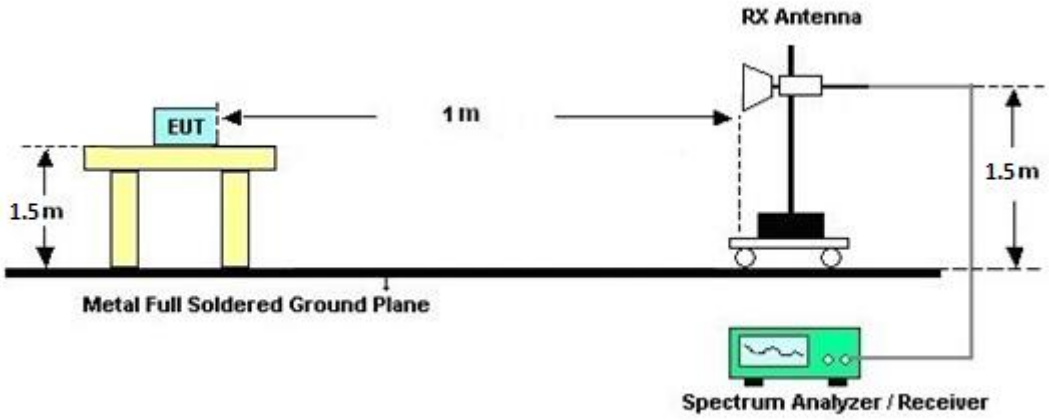

**For radiated emissions from 30MHz to 1GHz**



**For radiated test from 1GHz to 18GHz**




**For radiated test above 18GHz**



### 3.4.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

### 3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C

### 3.4.7 Duty Cycle

Please refer to Appendix D.

### 3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C

# 3.5 AC Conducted Emission Measurement

## 3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Frequency of emission (MHz) | Conducted limit (dBμV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

*Decreases with the logarithm of the frequency.

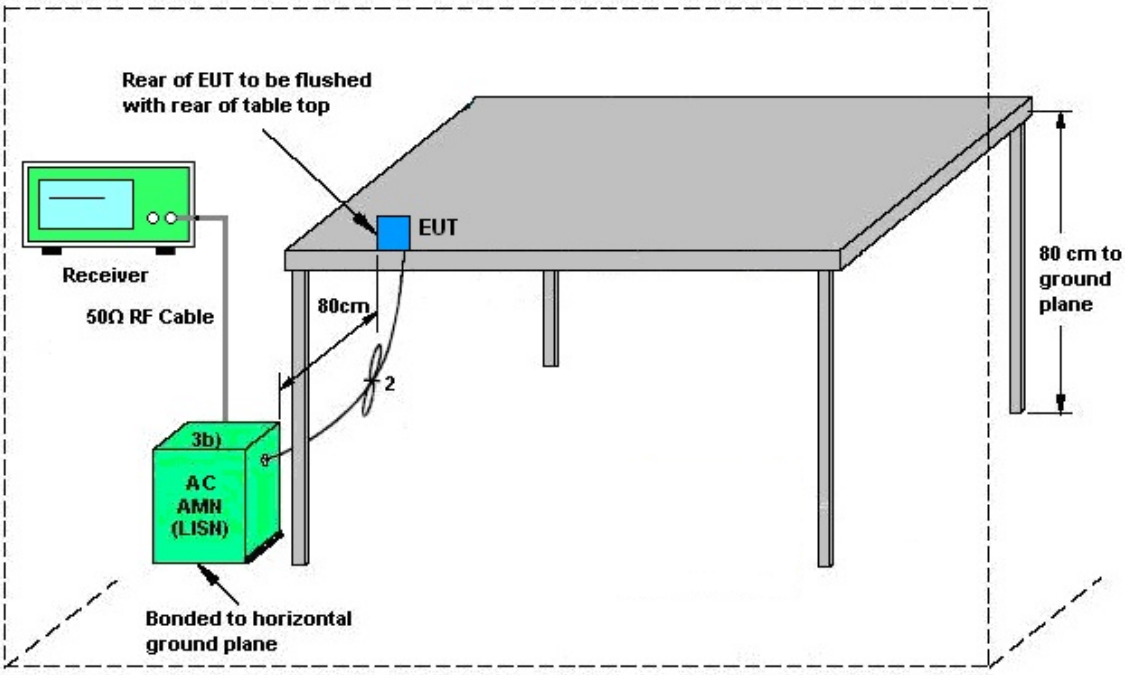
## 3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

## 3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

### 3.5.4 Test Setup




AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

## 3.6 Antenna Requirements

### 3.6.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

### 3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

# 4 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| Bilog Antenna | TESEQ | 6111D | 54683 | 30MHz~1GHz | Nov. 15, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Nov. 14, 2025 | Radiation (03CH01-CA) |
| Loop Antenna | R&S | HFH2-Z2E | 100840 | 9kHz~30MHz | May 02, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | May 01, 2025 | Radiation (03CH01-CA) |
| Horn Antenna | SCHWARZBECK | BBHA 9120D | 02113 | 1GHz~18GHz | Apr. 26, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Apr. 25, 2025 | Radiation (03CH01-CA) |
| Horn Antenna | SCHWARZBECK | BBHA 9120D | 02115 | 1GHz~18GHz | Aug. 06, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Aug. 05, 2025 | Radiation (03CH01-CA) |
| SHF-EHF Horn Antenna | SCHWARZBECK | BBHA9170 | 00841 | 18GHz~40GHz | Aug. 07, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Aug. 06, 2025 | Radiation (03CH01-CA) |
| Amplifier | SONOMA | 310N | 372241 | 9kHz~1GHz | Apr. 24, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Apr. 23, 2025 | Radiation (03CH01-CA) |
| Filter | Wainwright | WFIL-H8000-25000F-01 | WR32BNW2B1 | NA | Jun. 04, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Jun. 03, 2025 | Radiation (03CH01-CA) |
| Filter | Wainwright | WHKX8-5872.5-6750-18000-40ST | SN8 | NA | Jun. 04, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Jun. 03, 2025 | Radiation (03CH01-CA) |
| Filter | Wainwright | WLK12-1200-1272-11000-40SS | SN1 | 1.2GHz Low Pass Filter | Jun. 04, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Jun. 03, 2025 | Radiation (03CH01-CA) |
| Preamplifier | Keysight | 83017A | MY53270321 | 1GHz~26.5GHz | Apr. 25, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Apr. 24, 2025 | Radiation (03CH01-CA) |
| Preamplifier | E-instrument | ERA-100M-18G-56-01-A70 | EC1900252 | 1GHz~18GHz | Apr. 24, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Apr. 23, 2025 | Radiation (03CH01-CA) |
| Preamplifier | EMEC | EMC18G40G | 060726 | 18G-40G | Apr. 24, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Apr. 23, 2025 | Radiation (03CH01-CA) |
| RF Cable | HUBER+SUHNER | SUCOFLEX 102 | 8015932/2, 8015762/2, 804938/2 | N/A | Mar. 04, 2025 | Apr. 09, 2025~ Apr. 22, 2025 | Mar. 03, 2026 | Radiation (03CH01-CA) |
| Hygrometer | TESEO | 608-H1 | 45142559 | N/A | Aug. 14, 2024 | Apr. 09, 2025~ Apr. 22, 2025 | Aug. 13, 2025 | Radiation (03CH01-CA) |
| Controller | Chaintek | EM-1000 | 060881 | Control Turn Table & Antenna Mast | N/A | Apr. 09, 2025~ Apr. 22, 2025 | N/A | Radiation (03CH01-CA) |
| Antenna Mast | ChainTek | MBS-520-1 | N/A | 1m~4m | N/A | Apr. 09, 2025~ Apr. 22, 2025 | N/A | Radiation (03CH01-CA) |
| Turn Table | ChainTek | T-200-S-1 | N/A | 0~360 Degree | N/A | Apr. 09, 2025~ Apr. 22, 2025 | N/A | Radiation (03CH01-CA) |
| Test Software | Audix E3 | E3 230621 Sporton US,V9 | PK-002093 | N/A | N/A | Apr. 09, 2025~ Apr. 22, 2025 | N/A | Radiation (03CH01-CA) |
| Hygrometer | Testo | 608-H1 | 45141354 | N/A | Aug. 14, 2024 | Apr. 02, 2025~ Apr. 08, 2025 | Aug. 13, 2025 | Conducted (TH01-CA) |
| Spectrum Analyzer | Rohde & Schwarz | FSV40 | 101089 | 10Hz-40GHz | Apr. 24, 2024 | Apr. 02, 2025~ Apr. 08, 2025 | Apr. 23, 2025 | Conducted (TH01-CA) |
| Switch Box | EM Electronics | EMSW26 | 1090304 | N/A | Oct. 10, 2024 | Apr. 02, 2025~ Apr. 08, 2025 | Oct. 09, 2025 | Conducted (TH01-CA) |
| LISN | TESEQ | NNB51 | 47415 | N/A | Aug. 14, 2024 | Apr. 24, 2025 | Aug. 13, 2025 | Conduction (CO01-CA) |
| LISN | TESEQ | NNB51 | 47407 | N/A | Apr 15, 2025 | Apr. 24, 2025 | Apr. 14, 2026 | Conduction (CO01-CA) |
| EMI Test Receiver | R&S | ESR7 | 102177 | 9kHz~7GHz | Apr. 15, 2025 | Apr. 24, 2025 | Apr. 14, 2026 | Conduction (CO01-CA) |
| Pulse limiter with 10dB attenuation | R&S | VTSD 9561-F N | 9561-F-N00412 | N/A | Jun. 04, 2024 | Apr. 24, 2025 | Jun. 03, 2025 | Conduction (CO01-CA) |

# 5 Measurement Uncertainty

**Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **3.9 dB** |

**Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **4.7 dB** |

**Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **5.5 dB** |

**Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **4.5 dB** |

# Appendix A. Test Result of Conducted Test Items

| | | | | |
|---|---|---|---|---|
| Test Engineer: | Venkata Kondepudi | Temperature: | 18.3~21.0°C | °C |
| Test Date: | 2025/04/02~2025/04/08 | Relative Humidity: | 44.00~50.00% | % |

**Conducted Power on Port 0H**

| BW | Freq (MHz) | Condcuted Power (dBm) | MIMO Factor (dB) | Antenna Gain (dBi) | Directional Gain (dBi) | Total Conducted Power (dBm) | Conducted power limit (dBm) | Total EIRP (dBm) | Pass/Fail |
|---|---|---|---|---|---|---|---|---|---|
| 40MHz | 5755 | 7.63 | 12.04 | 16.28 | 16.28 | 19.67 | 19.72 | 35.95 | Pass |
| | 5795 | 7.63 | 12.04 | 16.28 | 16.28 | 19.67 | 19.72 | 35.95 | Pass |
| | 5825 | 7.56 | 12.04 | 16.28 | 16.28 | 19.60 | 19.72 | 35.88 | Pass |
| 40 + 40MHz | 5755+5795 | 7.63 | 12.04 | 16.28 | 16.28 | 19.67 | 19.72 | 35.95 | Pass |
| | 5785+5825 | 7.61 | 12.04 | 16.28 | 16.28 | 19.65 | 19.72 | 35.93 | Pass |

**PSD on Port 0H**

| BW | Freq (MHz) | Conducted PSD (dBm/500kHz) | MIMO Factor (dB) | Antenna Gain (dBi) | Directional Gain (dBi) | Total Conducted PSD (dBm/500kHz) | Conducted PSD limit (dBm/500kHz) | Pass/Fail |
|---|---|---|---|---|---|---|---|---|
| 40MHz | 5755 | -10.76 | 12.04 | 16.28 | 16.28 | 1.28 | 19.72 | Pass |
| | 5795 | -10.16 | 12.04 | 16.28 | 16.28 | 1.88 | 19.72 | Pass |
| | 5825 | -10.74 | 12.04 | 16.28 | 16.28 | 1.30 | 19.72 | Pass |
| 40 + 40MHz | 5755+5795 | -12.8 | 12.04 | 16.28 | 16.28 | -0.76 | 19.72 | Pass |
| | 5785+5825 | -12.78 | 12.04 | 16.28 | 16.28 | -0.74 | 19.72 | Pass |

Nant/Nss

| Number of Ant | Number of SS | SS Correction |
|---|---|---|
| 16 | 8 | 0 |
| 16 | 8 | 0 |
| 16 | 8 | 0 |
| 16 | 8 | 0 |
| 16 | 8 | 0 |

| BW | Freq (MHz) | 26dB BW (MHz) | OBW (MHz) | 6dB BW (MHz) | 6dB BW limit (MHz) | Pass/Fail |
|---|---|---|---|---|---|---|
| 40MHz | 5755 | 39.81 | 37.47 | 37.52 | > 0.5 | Pass |
| | 5795 | 39.76 | 37.49 | 37.53 | > 0.5 | Pass |
| | 5825 | 39.76 | 37.46 | 37.52 | > 0.5 | Pass |
| 40 + 40MHz | 5755+5795 | 79.78 | 76.95 | 77.54 | > 0.5 | Pass |
| | 5785+5825 | 79.81 | 76.94 | 77.54 | > 0.5 | Pass |

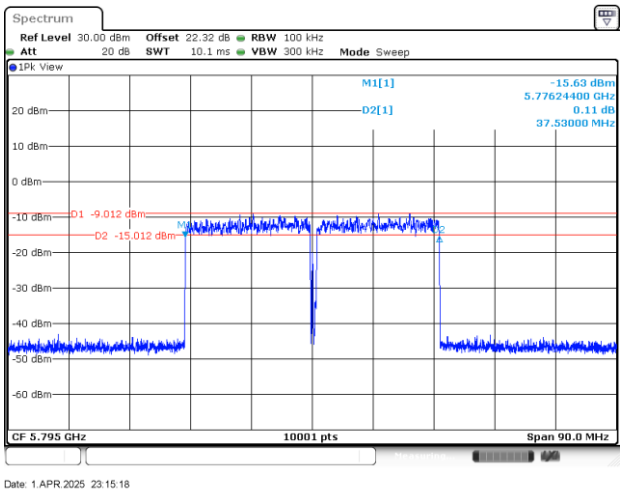
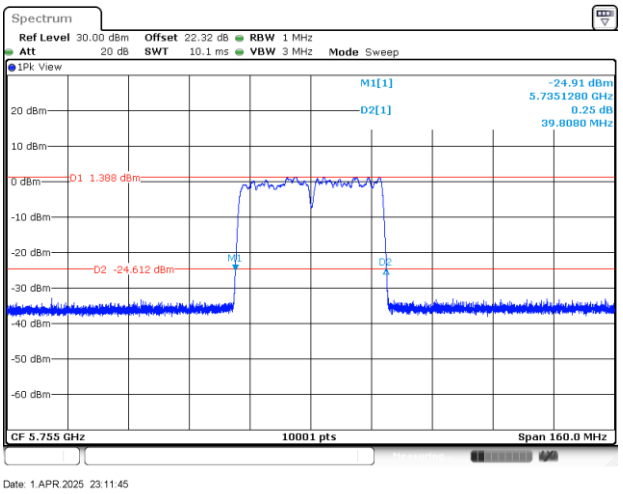
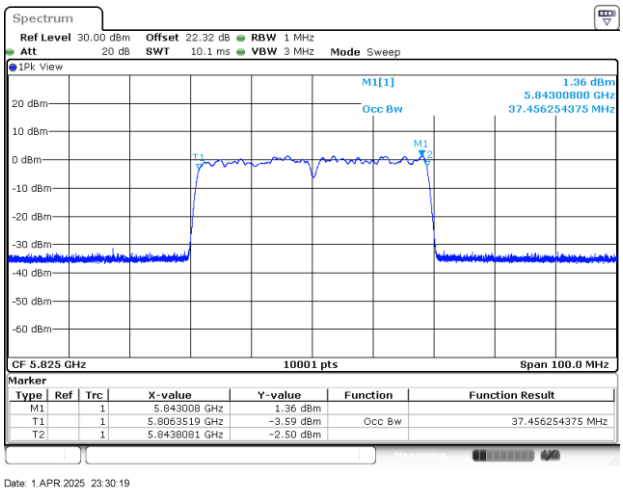
Conducted Output Power
Antenna Gain = 16.28dBi
Directional Gain (8H/8V) = 16.28dBi + 10log(Ntx = 8 / Nss = 8) = 16.28dBi
Conducted power limit = 30 – (Directional Gain – 6) = 19.72dBm

Power Spectral Density
Antenna Gain = 16.28dBi
Directional Gain (8H/8V) = 16.28dBi + 10log(Ntx = 8 / Nss = 8) = 16.28dBi
Conducted PSD limit = 30 – (Directional Gain – 6) = 19.72 dBm/500kHz

## Test Result of 6dB and 26dB and 99% Occupied Bandwidth

**<Single Carrier>**

**<40MHz>**

| 6dB Bandwidth | 26dB Bandwidth |
|---|---|
|  |  |
| **99% Occupied Bandwidth** | **N/A** |
|  | |



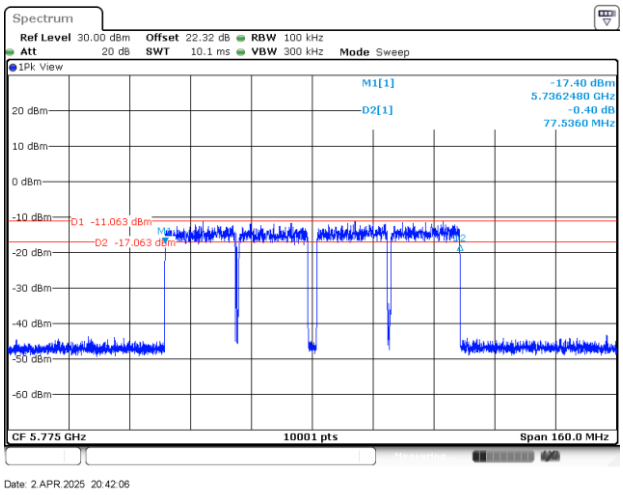
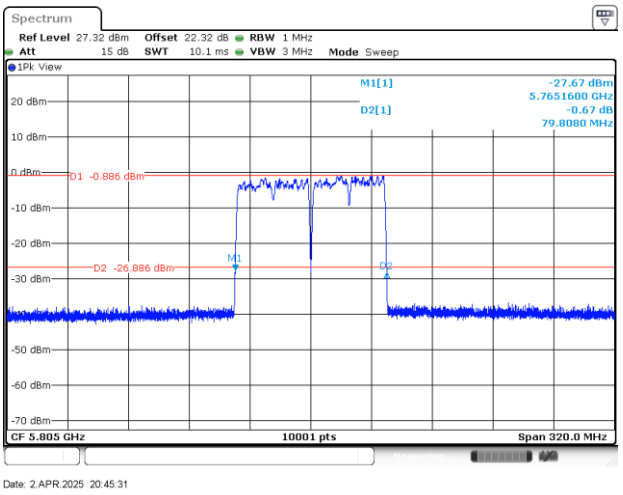
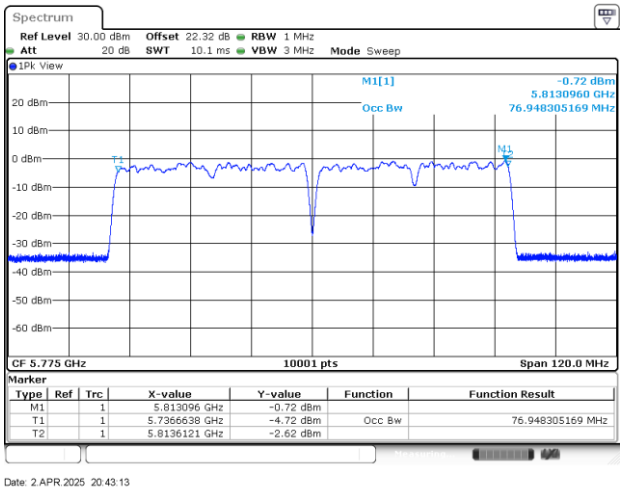




**Note**: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

**<Multiple Carrier (Contiguous)>**

**<40MHz + 40MHz>**

| 6dB Bandwidth | 26dB Bandwidth |
|---|---|
|  |  |
| **99% Occupied Bandwidth** | **N/A** |
|  | |







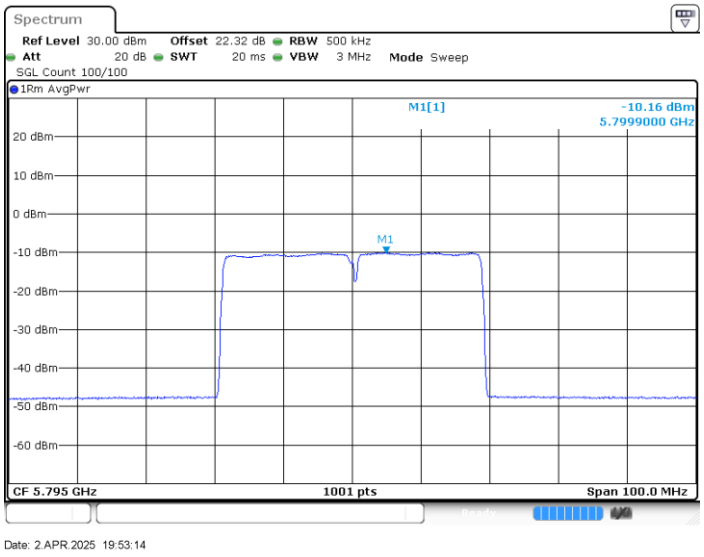
**Note**: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

## Test Result of Power Spectral Density

**<Single Carrier>**

**<40MHz>**

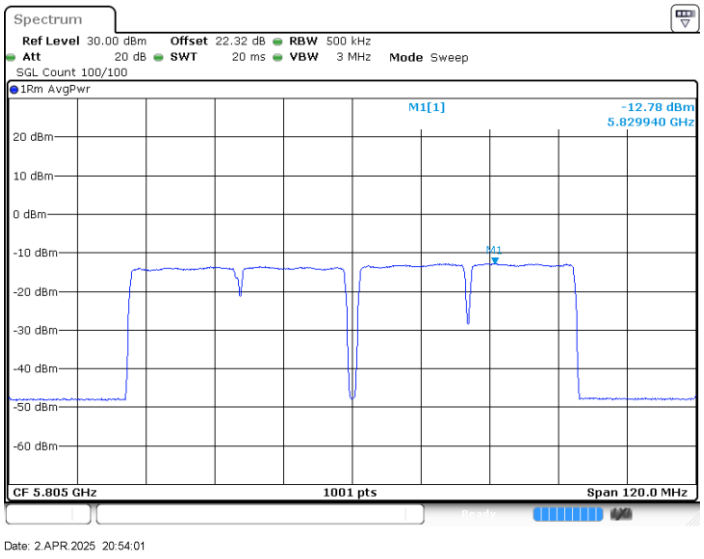
| Maximum Power Density Plot (dBm/500kHz) |
|---|




**<Multiple Carrier (Contiguous)>**

**<40MHz + 40MHz>**

| Maximum Power Density Plot (dBm/500kHz) |
|---|



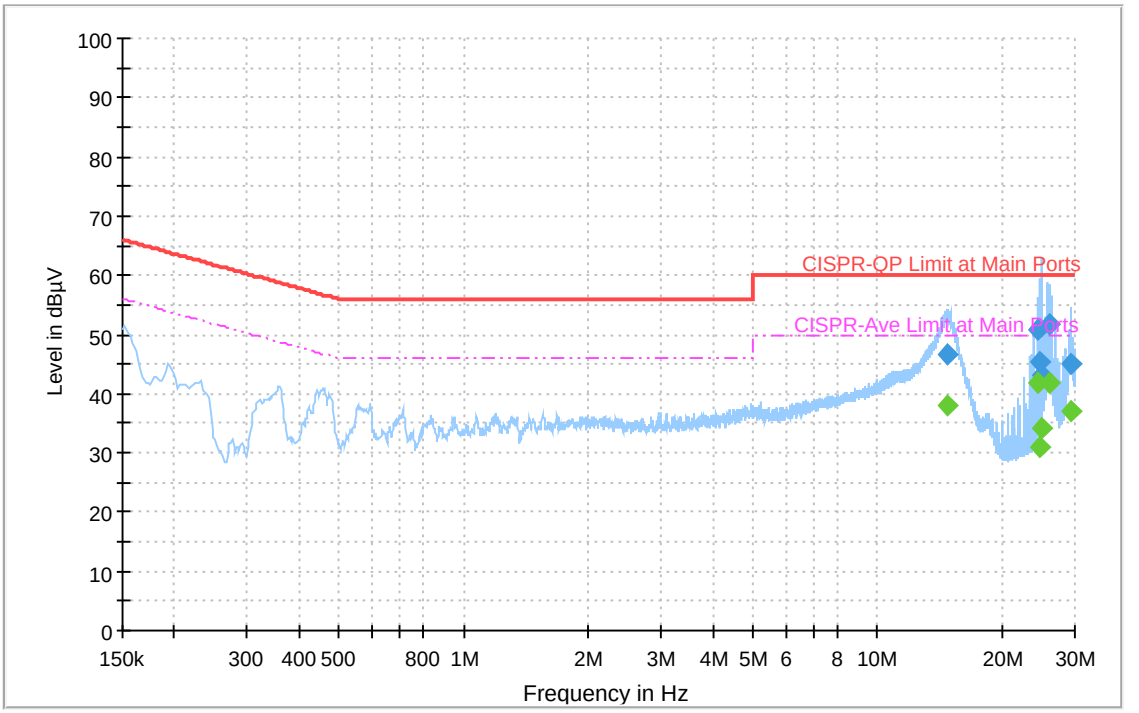
# Appendix B. AC Conducted Emission Test Results

| | | | |
|---|---|---|---|
| **Test Engineer :** | Leo Liu | **Temperature :** | 20.3~22.9℃ |
| | | **Relative Humidity :** | 38.1~45.1% |

# EUT Information

| | |
|---|---|
| Test Site Location : | CO01-CA |
| Project | 250228001 |
| Power: | 120Vac/60Hz |
| Mode | 1 |
| | Line |

Full Spectrum



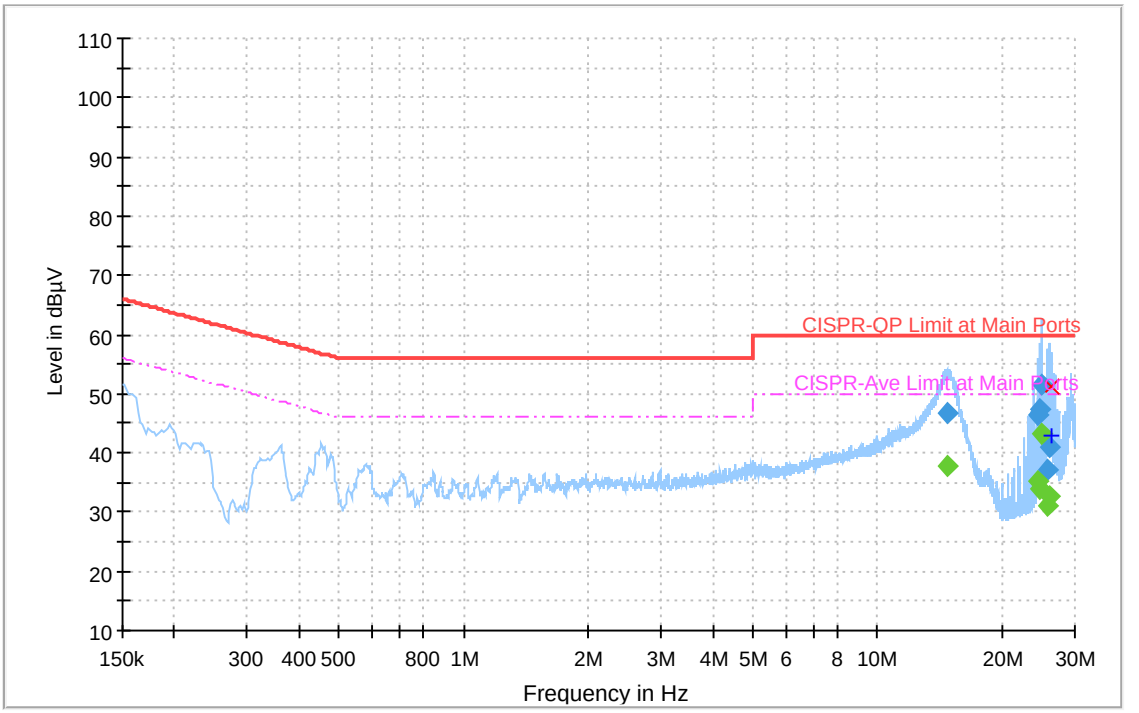

# Final_Result

| Frequency (MHz) | QuasiPeak (dBµV) | CAverage (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|---|---|---|---|---|---|---|---|
| 14.756037 | --- | 38.15 | 50.00 | 11.85 | L1 | OFF | 20.6 |
| 14.756037 | 46.68 | --- | 60.00 | 13.32 | L1 | OFF | 20.6 |
| 24.290385 | --- | 41.95 | 50.00 | 8.05 | L1 | OFF | 20.9 |
| 24.290385 | 50.74 | --- | 60.00 | 9.26 | L1 | OFF | 20.9 |
| 24.646560 | --- | 31.02 | 50.00 | 18.98 | L1 | OFF | 20.9 |
| 24.646560 | 45.31 | --- | 60.00 | 14.69 | L1 | OFF | 20.9 |
| 25.000449 | --- | 34.14 | 50.00 | 15.86 | L1 | OFF | 21.0 |
| 25.000449 | 42.99 | --- | 60.00 | 17.01 | L1 | OFF | 21.0 |
| 26.059317 | --- | 41.79 | 50.00 | 8.21 | L1 | OFF | 21.1 |
| 26.059317 | 51.69 | --- | 60.00 | 8.31 | L1 | OFF | 21.1 |
| 29.251779 | --- | 37.10 | 50.00 | 12.90 | L1 | OFF | 21.5 |
| 29.251779 | 44.98 | --- | 60.00 | 15.02 | L1 | OFF | 21.5 |

# EUT Information

| | |
|---|---|
| Test Site Location : | CO01-CA |
| Project | 250228001 |
| Power: | 120Vac/60Hz |
| Mode | 1 |
| | Neutral |

Full Spectrum




# Final_Result

| Frequency (MHz) | QuasiPeak (dBµV) | CAverage (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|---|---|---|---|---|---|---|---|
| 14.768565 | 46.65 | --- | 60.00 | 13.35 | N | OFF | 20.7 |
| 14.768565 | --- | 37.87 | 50.00 | 12.13 | N | OFF | 20.7 |
| 24.266004 | 46.36 | --- | 60.00 | 13.64 | N | OFF | 21.0 |
| 24.266004 | --- | 35.28 | 50.00 | 14.72 | N | OFF | 21.0 |
| 24.617850 | 47.43 | --- | 60.00 | 12.57 | N | OFF | 21.0 |
| 24.617850 | --- | 34.07 | 50.00 | 15.93 | N | OFF | 21.0 |
| 24.963036 | 51.50 | --- | 60.00 | 8.50 | N | OFF | 21.0 |
| 24.963036 | --- | 43.26 | 50.00 | 6.74 | N | OFF | 21.0 |
| 25.684503 | 37.12 | --- | 60.00 | 22.88 | N | OFF | 21.1 |
| 25.684503 | --- | 31.06 | 50.00 | 18.94 | N | OFF | 21.1 |
| 26.032056 | 41.11 | --- | 60.00 | 18.89 | N | OFF | 21.2 |
| 26.032056 | --- | 32.62 | 50.00 | 17.38 | N | OFF | 21.2 |

# Appendix C. Radiated Spurious Emission Test Data

| | | | |
|---|---|---|---|
| **Test Engineer :** | Ken Kuo, Leo Liu and Jesse Fan | **Temperature :** | 20.5~24.6°C |
| | | **Relative Humidity :** | 38.2~46.8% |

**Note symbol**

| | |
|---|---|
| -L | **Low channel location** |
| -R | **High channel location** |

# C1. Radiated Spurious Emission Test Modes

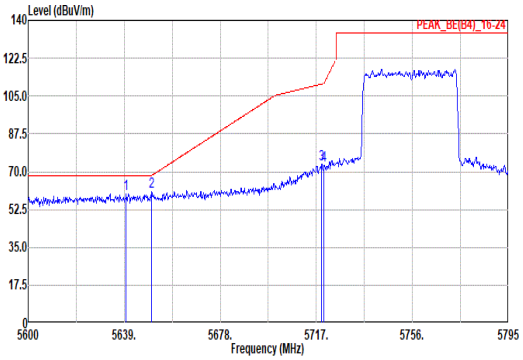
| Mode | Band | Band (GHz) | Antenna | Modulation | Channel | Frequency | Remark |
|---|---|---|---|---|---|---|---|
| Mode 1 | U-NII-3 | 5.725-5.85 | MIMO | Proprietary | 151 | 5755 | - |
| Mode 2 | U-NII-3 | 5.725-5.85 | MIMO | Proprietary | 159 | 5795 | - |
| Mode 3 | U-NII-3 | 5.725-5.85 | MIMO | Proprietary | 165 | 5825 | - |
| Mode 4 | U-NII-3 | 5.725-5.85 | MIMO | Proprietary | 151+159 | 5755+5795 | - |
| Mode 5 | U-NII-3 | 5.725-5.85 | MIMO | Proprietary | 157+165 | 5785+5825 | - |
| Mode 6 | U-NII-3 | 5.725-5.85 | MIMO | Proprietary | 165 | 5825 | LF |
| Mode 7 | U-NII-3 | 5.725-5.85 | MIMO | Proprietary | 165 | 5825 | SHF |

# C2. Summary of each worse mode

| Mode | Modulation | Ch. | Freq. (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Pol. | Peak Avg. | Result | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Proprietary | 151 | 6222.00 | 66.61 | 68.20 | -1.59 | H | Peak | Pass | Band Edge |
| 1 | Proprietary | 151 | 11510.00 | 46.17 | 54.00 | -7.83 | V | Avg. | Pass | Harmonic |
| 2 | Proprietary | 159 | 6768.00 | 67.79 | 68.20 | -0.41 | H | Peak | Pass | Band Edge |
| 2 | Proprietary | 159 | 11590.00 | 39.70 | 54.00 | -14.30 | V | Avg. | Pass | Harmonic |
| 3 | Proprietary | 165 | 5959.75 | 67.93 | 68.20 | -0.27 | H | Peak | Pass | Band Edge |
| 3 | Proprietary | 165 | 11650.00 | 49.64 | 54.00 | -4.36 | V | Avg. | Pass | Harmonic |
| 4 | Proprietary | 151+159 | 5941.42 | 65.92 | 68.20 | -2.28 | H | Peak | Pass | Band Edge |
| 4 | Proprietary | 151+159 | 11510.00 | 47.53 | 54.00 | -6.47 | V | Avg. | Pass | Harmonic |
| 5 | Proprietary | 157+165 | 6369.00 | 67.61 | 68.20 | -0.59 | H | - | Pass | Band Edge |
| 5 | Proprietary | 157+165 | 11650.00 | 45.99 | 54.00 | -8.01 | V | Avg. | Pass | Harmonic |
| 6 | LF | 165 | 625.58 | 43.83 | 46.00 | -2.17 | V | QP | Pass | LF |
| 7 | SHF | 165 | 39714.00 | 53.16 | 74.00 | -20.84 | H | Peak | Pass | SHF |

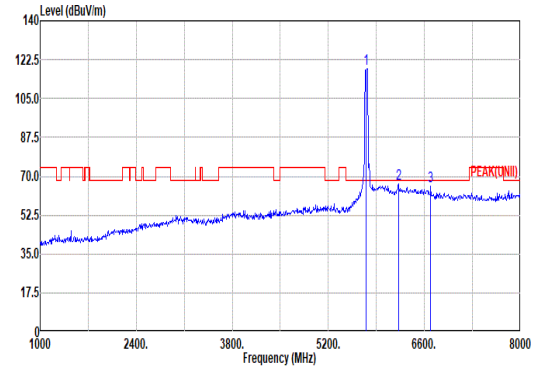
| Mode | 1 | |
|---|---|---|
| | Band Edge - L | |
| | U-NII-3_5.725-5.85_CH151_5755MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Fundamental |

**Peak**




Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5639.78 | 59.69 | 68.20 | -8.51 | 43.29 | 33.28 | 12.28 | 29.16 | 0.00 | 177 | 177 | PEAK |
| 2 | 5650.12 | 60.72 | 68.29 | -7.57 | 44.28 | 33.31 | 12.30 | 29.17 | 0.00 | 177 | 177 | PEAK |
| 3 | 5719.15 | 73.49 | 110.56 | -37.07 | 56.66 | 33.57 | 12.42 | 29.16 | 0.00 | 177 | 177 | PEAK |
| 4 | 5720.12 | 72.79 | 111.07 | -38.28 | 55.95 | 33.58 | 12.42 | 29.16 | 0.00 | 177 | 177 | PEAK |

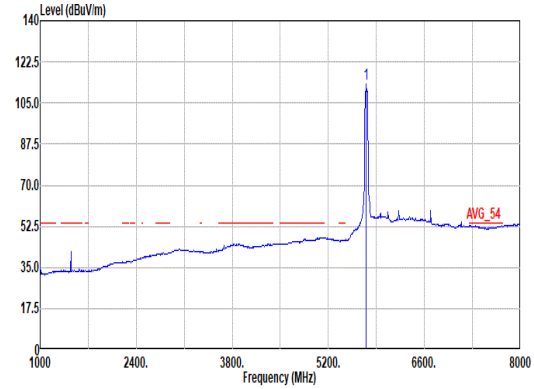



Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02115_240806 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5755.00 | 118.54 | ------ | ------ | 101.47 | 33.75 | 12.50 | 29.18 | 0.00 | 177 | 177 | PEAK |
| 2 | 6222.00 | 66.61 | 68.20 | -1.59 | 48.89 | 34.26 | 12.87 | 29.41 | 0.00 | 180 | 179 | Peak |
| 3 | 6691.00 | 65.49 | 68.20 | -2.71 | 46.19 | 35.80 | 13.33 | 29.83 | 0.00 | 175 | 177 | Peak |

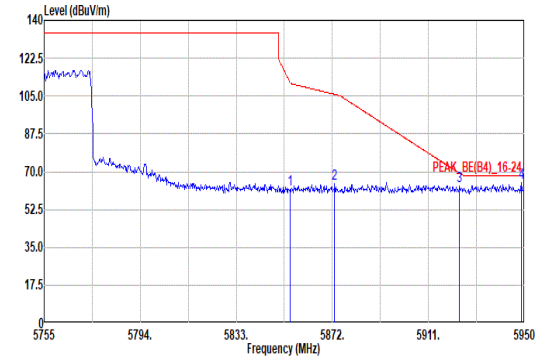
**Avg**

**Blank**




Site : 03CH01-CA
Condition: AVG_54 3m HORN_02115_240806 HORIZONTAL
: RBW:1000.000kHz VBW:0.010kHz SWT:Auto

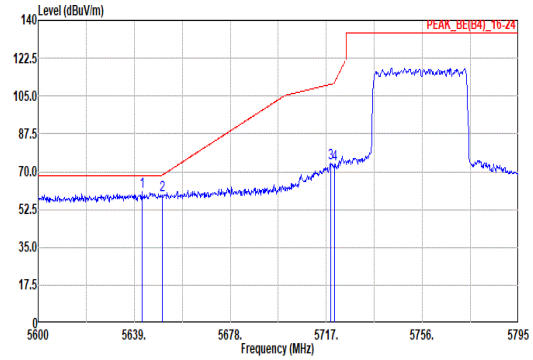
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5755.00 | 113.03 | ------ | ------ | 96.02 | 33.70 | 12.48 | 29.17 | 0.00 | 177 | 177 | AVERAGE |

| Mode | 1 | |
|---|---|---|
| | Band Edge - R | |
| | U-NII-3_5.725-5.85_CH151_5755MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Fundamental |
| Peak |  | Blank |



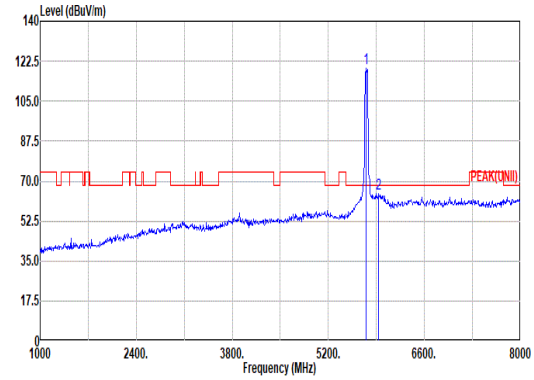
Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5854.84 | 61.76 | 111.17 | -49.41 | 44.38 | 34.04 | 12.57 | 29.23 | 0.00 | 177 | 177 | PEAK |
| 2 | 5872.98 | 64.48 | 105.77 | -41.29 | 47.05 | 34.08 | 12.58 | 29.23 | 0.00 | 177 | 177 | PEAK |
| 3 | 5923.68 | 63.19 | 69.18 | -5.99 | 45.69 | 34.15 | 12.59 | 29.24 | 0.00 | 177 | 177 | PEAK |
| 4 | 5948.83 | 65.17 | 68.20 | -3.03 | 47.64 | 34.18 | 12.60 | 29.25 | 0.00 | 177 | 177 | PEAK |

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">1</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-3_5.725-5.85_CH151_5755MHz</td></tr>
<tr><td>ANT</td><td colspan="2">MIMO</td></tr>
<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td>


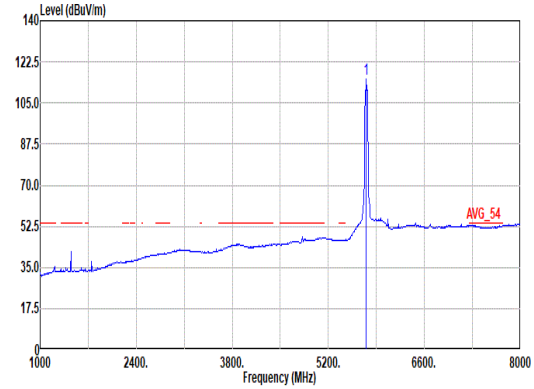

Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5642.12 | 61.00 | 68.20 | -7.20 | 44.62 | 33.27 | 12.28 | 29.17 | 0.00 | 177 | 183 | PEAK |
| 2 | 5650.51 | 59.26 | 68.58 | -9.32 | 42.84 | 33.29 | 12.30 | 29.17 | 0.00 | 177 | 183 | PEAK |
| 3 | 5718.76 | 73.93 | 110.45 | -36.52 | 57.10 | 33.57 | 12.42 | 29.16 | 0.00 | 177 | 183 | PEAK |
| 4 | 5720.32 | 73.19 | 111.52 | -38.33 | 56.35 | 33.58 | 12.42 | 29.16 | 0.00 | 177 | 183 | PEAK |

</td><td>



Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02115_240806 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

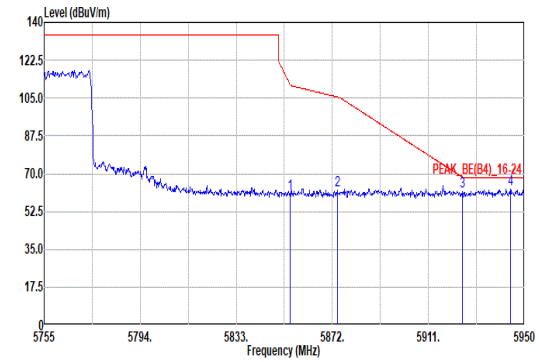
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5755.00 | 119.41 | ------ | ------ | 102.39 | 33.71 | 12.48 | 29.17 | 0.00 | 177 | 183 | PEAK |
| 2 | 5935.00 | 64.45 | 68.20 | -3.75 | 46.91 | 34.19 | 12.59 | 29.24 | 0.00 | 177 | 179 | Peak |

</td></tr>
<tr><td>Avg</td><td>Blank</td><td>



Site : 03CH01-CA
Condition: AVG_54 3m HORN_02115_240806 VERTICAL
: RBW:1000.000kHz VBW:0.010kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5755.00 | 115.14 | ------ | ------ | 98.12 | 33.71 | 12.48 | 29.17 | 0.00 | 177 | 183 | AVERAGE |

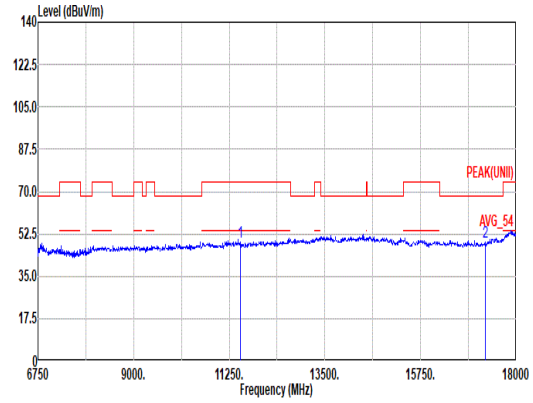
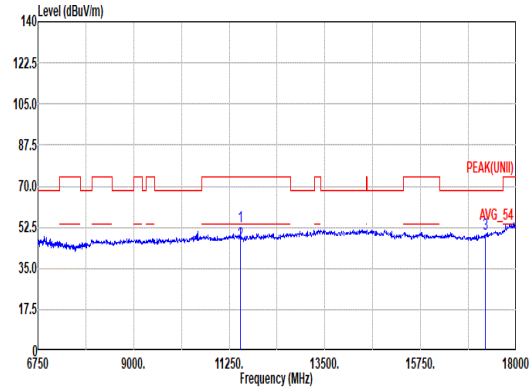
</td></tr>
</table>

| Mode | 1 | |
|---|---|---|
| | Band Edge - R | |
| | U-NII-3_5.725-5.85_CH151_5755MHz | |
| ANT | MIMO | |
| Pol. | Vertical | Fundamental |
| Peak |  | Blank |



Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5854.84 | 60.77 | 111.17 | -50.40 | 43.37 | 34.06 | 12.57 | 29.23 | 0.00 | 177 | 183 | PEAK |
| 2 | 5873.95 | 62.37 | 105.49 | -43.12 | 44.92 | 34.10 | 12.58 | 29.23 | 0.00 | 177 | 183 | PEAK |
| 3 | 5924.85 | 61.92 | 68.31 | -6.39 | 44.40 | 34.17 | 12.59 | 29.24 | 0.00 | 177 | 183 | PEAK |
| 4 | 5944.35 | 62.94 | 68.20 | -5.26 | 45.40 | 34.19 | 12.60 | 29.25 | 0.00 | 177 | 183 | PEAK |

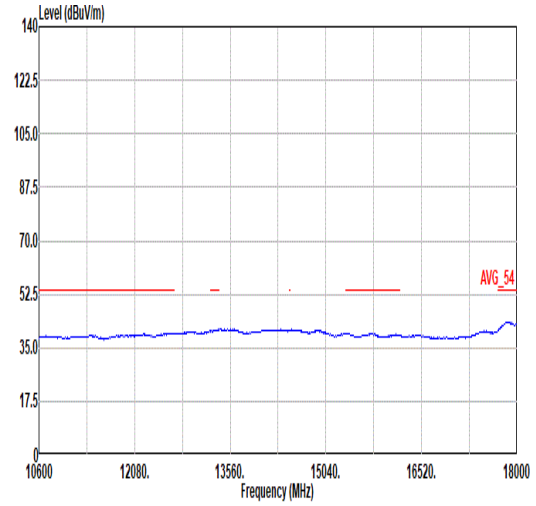
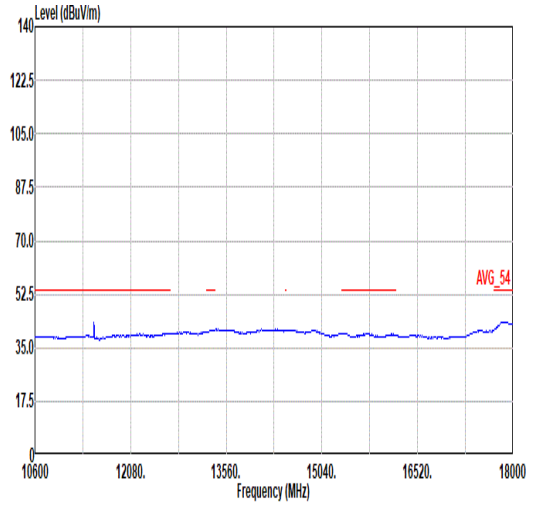
| Mode | 1 | |
|---|---|---|
| | Harmonic | |
| | U-NII-3_5.725-5.85_CH151_5755MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  |  |

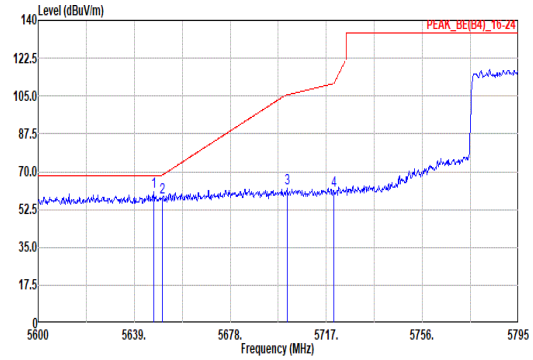
Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL
Mode : 1

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 11510.00 | 49.32 | 74.00 | -24.68 | 60.33 | 39.07 | 17.54 | 67.82 | 0.20 | -- | -- | PEAK |
| 2 | 17265.00 | 49.11 | 68.20 | -19.09 | 58.46 | 37.97 | 21.47 | 68.98 | 0.19 | -- | -- | PEAK |

Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL
Mode : 1

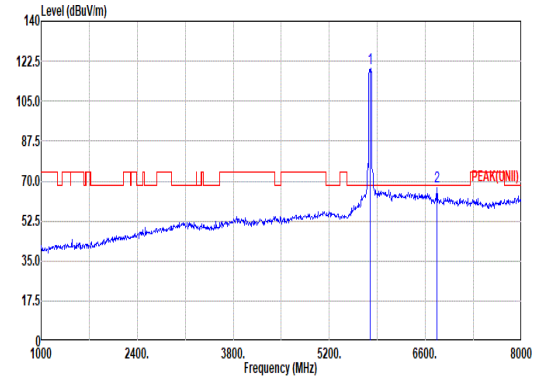
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 11510.00 | 52.79 | 74.00 | -21.21 | 63.84 | 39.03 | 17.54 | 67.82 | 0.20 | 300 | 20 | PEAK |
| 2 | 11510.00 | 46.17 | 54.00 | -7.83 | 57.22 | 39.03 | 17.54 | 67.82 | 0.20 | 300 | 20 | Average |
| 3 | 17265.00 | 49.82 | 68.20 | -18.38 | 59.00 | 38.14 | 21.47 | 68.98 | 0.19 | -- | -- | PEAK |

| Mode | 1 | |
|---|---|---|
| | Harmonic | |
| | U-NII-3_5.725-5.85_CH151_5755MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |
| 10.6G ~18G Avg |  <br>Site : 03CH01-CA<br>Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL<br>Mode : 1 |  <br>Site : 03CH01-CA<br>Condition: AVG_54 3m HORN_02113_240426 VERTICAL<br>Mode : 1 |

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">2</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-3_5.725-5.85_CH159_5795MHz</td></tr>
<tr><td>ANT</td><td colspan="2">MIMO</td></tr>
<tr><td>Pol.</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 

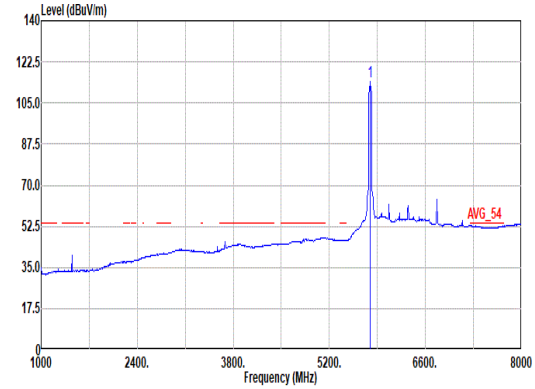

Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5646.80 | 60.65 | 68.20 | -7.55 | 44.23 | 33.30 | 12.29 | 29.17 | 0.00 | 170 | 169 | PEAK |
| 2 | 5650.31 | 58.29 | 68.43 | -10.14 | 41.85 | 33.31 | 12.30 | 29.17 | 0.00 | 170 | 169 | PEAK |
| 3 | 5701.01 | 62.51 | 105.48 | -42.97 | 45.77 | 33.50 | 12.39 | 29.15 | 0.00 | 170 | 169 | PEAK |
| 4 | 5720.12 | 61.15 | 111.07 | -49.92 | 44.31 | 33.58 | 12.42 | 29.16 | 0.00 | 170 | 169 | PEAK |




Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02115_240806 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

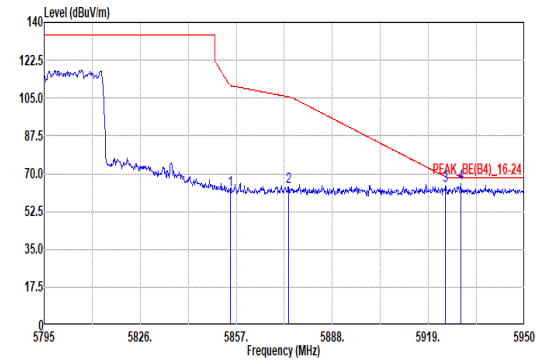
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5795.00 | 119.23 | ------ | ------ | 101.97 | 33.90 | 12.56 | 29.20 | 0.00 | 170 | 169 | PEAK |
| 2 | 6768.00 | 67.79 | 68.20 | -0.41 | 48.47 | 35.83 | 13.41 | 29.92 | 0.00 | 175 | 171 | Peak |

</td></tr>
<tr><td>Avg</td><td>Blank</td><td> 


Site : 03CH01-CA
Condition: AVG_54 3m HORN_02115_240806 HORIZONTAL
: RBW:1000.000kHz VBW:0.010kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5795.00 | 113.88 | ------ | ------ | 96.67 | 33.85 | 12.55 | 29.19 | 0.00 | 170 | 169 | AVERAGE |

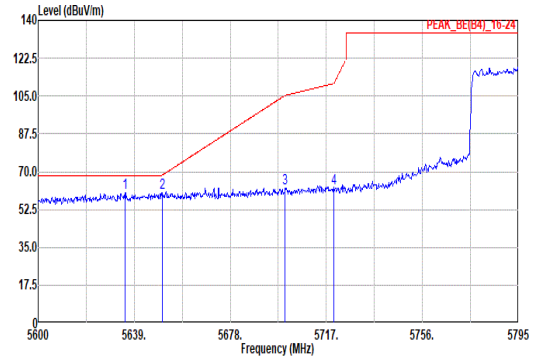
</td></tr>
</table>

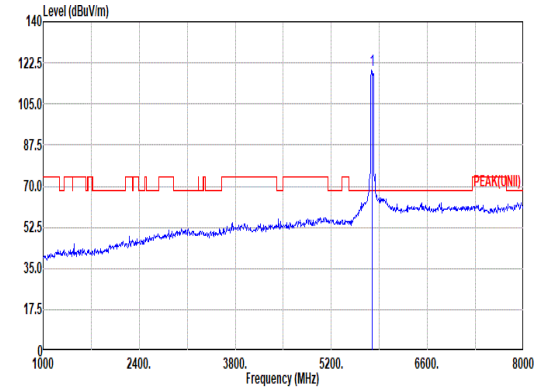
| Mode | 2 | |
|---|---|---|
| | Band Edge - R | |
| | U-NII-3_5.725-5.85_CH159_5795MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Fundamental |
| Peak |  | Blank |

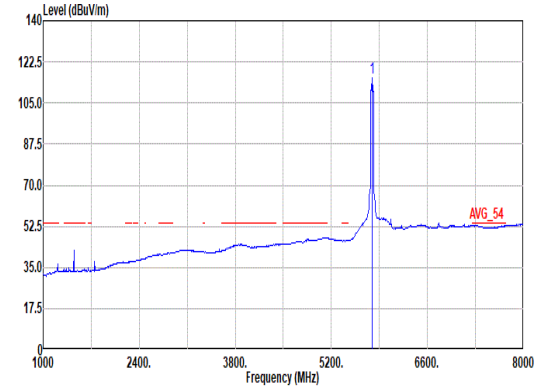


Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

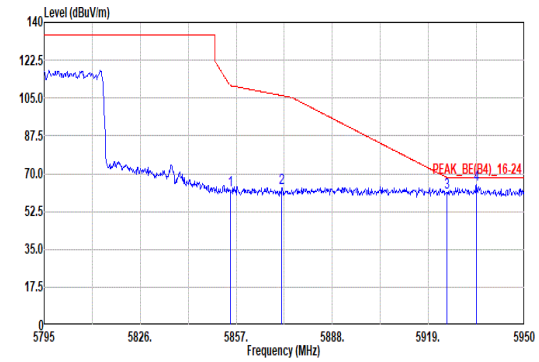
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5854.99 | 62.48 | 110.83 | -48.35 | 45.10 | 34.04 | 12.57 | 29.23 | 0.00 | 170 | 169 | PEAK |
| 2 | 5873.90 | 64.10 | 105.51 | -41.41 | 46.67 | 34.08 | 12.58 | 29.23 | 0.00 | 170 | 169 | PEAK |
| 3 | 5924.58 | 64.54 | 68.51 | -3.97 | 47.04 | 34.15 | 12.59 | 29.24 | 0.00 | 170 | 169 | PEAK |
| 4 | 5929.39 | 65.68 | 68.20 | -2.52 | 48.17 | 34.16 | 12.59 | 29.24 | 0.00 | 170 | 169 | PEAK |

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">2</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-3_5.725-5.85_CH159_5795MHz</td></tr>
<tr><td>ANT</td><td colspan="2">MIMO</td></tr>
<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td>


Site : 03CH01-CA<br>
Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 VERTICAL<br>
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>
<br>
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5635.30</td><td>60.40</td><td>68.20</td><td>-7.80</td><td>44.04</td><td>33.25</td><td>12.27</td><td>29.16</td><td>0.00</td><td>174</td><td>184</td><td>PEAK</td></tr>
<tr><td>2</td><td>5650.31</td><td>60.41</td><td>68.43</td><td>-8.02</td><td>43.99</td><td>33.29</td><td>12.30</td><td>29.17</td><td>0.00</td><td>174</td><td>184</td><td>PEAK</td></tr>
<tr><td>3</td><td>5700.23</td><td>62.13</td><td>105.26</td><td>-43.13</td><td>45.40</td><td>33.49</td><td>12.39</td><td>29.15</td><td>0.00</td><td>174</td><td>184</td><td>PEAK</td></tr>
<tr><td>4</td><td>5720.12</td><td>62.49</td><td>111.07</td><td>-48.58</td><td>45.66</td><td>33.57</td><td>12.42</td><td>29.16</td><td>0.00</td><td>174</td><td>184</td><td>PEAK</td></tr>
</table>
</td><td>


Site : 03CH01-CA<br>
Condition: PEAK(UNII) 3m HORN_02115_240806 VERTICAL<br>
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>
<br>
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5795.00</td><td>119.46</td><td>------</td><td>------</td><td>102.27</td><td>33.84</td><td>12.54</td><td>29.19</td><td>0.00</td><td>174</td><td>184</td><td>PEAK</td></tr>
</table>
</td></tr>
<tr><td>Avg</td><td>Blank</td><td>


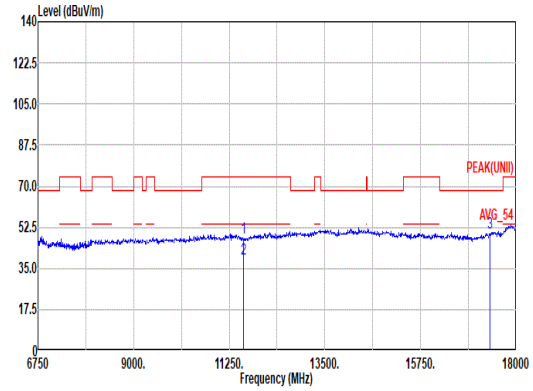
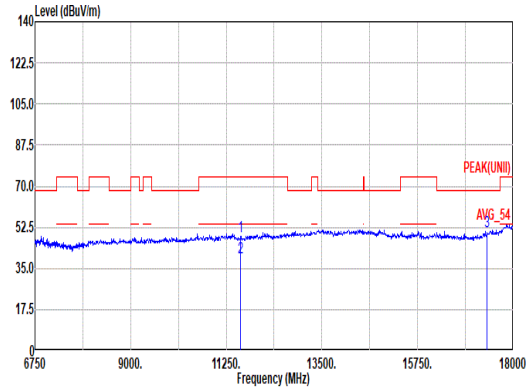
Site : 03CH01-CA<br>
Condition: AVG_54 3m HORN_02115_240806 VERTICAL<br>
: RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br>
<br>
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5795.00</td><td>115.71</td><td>------</td><td>------</td><td>98.48</td><td>33.87</td><td>12.55</td><td>29.19</td><td>0.00</td><td>174</td><td>184</td><td>AVERAGE</td></tr>
</table>
</td></tr>
</table>

| Mode | 2 | |
|---|---|---|
| | Band Edge - R | |
| | U-NII-3_5.725-5.85_CH159_5795MHz | |
| ANT | MIMO | |
| Pol. | Vertical | Fundamental |
| Peak |  | Blank |



Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02115_240806 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5854.99 | 62.29 | 110.83 | -48.54 | 44.89 | 34.06 | 12.57 | 29.23 | 0.00 | 174 | 184 | PEAK |
| 2 | 5871.73 | 63.55 | 106.12 | -42.57 | 46.11 | 34.09 | 12.58 | 29.23 | 0.00 | 174 | 184 | PEAK |
| 3 | 5924.89 | 61.49 | 68.28 | -6.79 | 43.97 | 34.17 | 12.59 | 29.24 | 0.00 | 174 | 184 | PEAK |
| 4 | 5934.50 | 64.89 | 68.20 | -3.31 | 47.36 | 34.18 | 12.59 | 29.24 | 0.00 | 174 | 184 | PEAK |

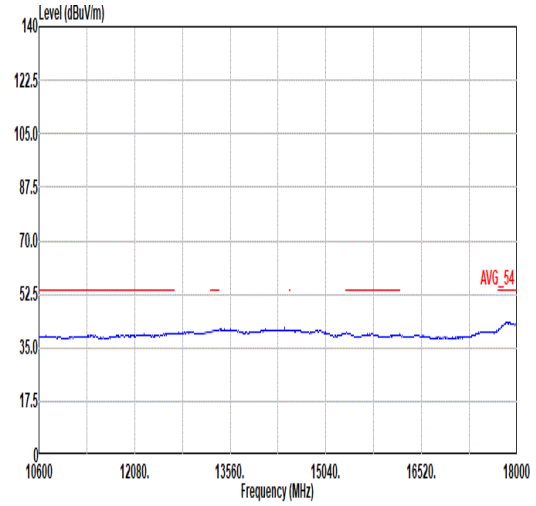
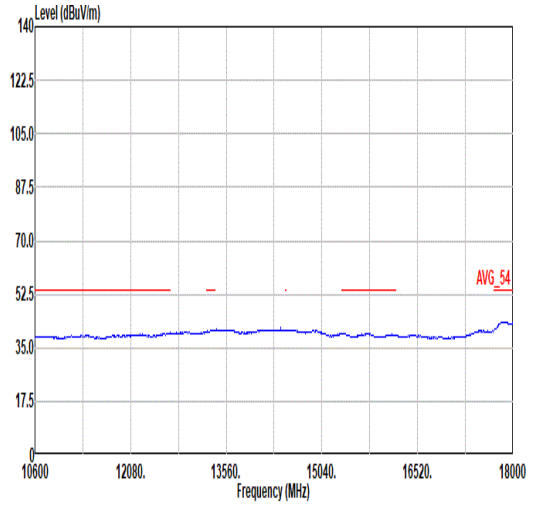
| Mode | 2 | |
|---|---|---|
| | Harmonic | |
| | U-NII-3_5.725-5.85_CH159_5795MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  |  |

Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL
Mode : 2

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 11590.00 | 48.05 | 74.00 | -25.95 | 59.32 | 38.85 | 17.60 | 67.90 | 0.18 | -- | -- | PEAK |
| 2 | 11590.00 | 38.97 | 54.00 | -15.03 | 50.24 | 38.85 | 17.60 | 67.90 | 0.18 | -- | -- | Average |
| 3 | 17385.00 | 50.36 | 68.20 | -17.84 | 59.53 | 38.25 | 21.55 | 69.16 | 0.19 | -- | -- | PEAK |

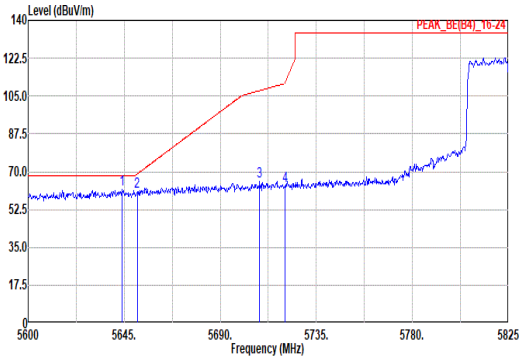
Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL
Mode : 2

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 11590.00 | 48.74 | 74.00 | -25.26 | 60.04 | 38.82 | 17.60 | 67.90 | 0.18 | -- | -- | PEAK |
| 2 | 11590.00 | 39.70 | 54.00 | -14.30 | 51.00 | 38.82 | 17.60 | 67.90 | 0.18 | -- | -- | Average |
| 3 | 17385.00 | 50.93 | 68.20 | -17.27 | 59.90 | 38.45 | 21.55 | 69.16 | 0.19 | -- | -- | PEAK |

| Mode | 2 | |
|---|---|---|
| | Harmonic | |
| | U-NII-3_5.725-5.85_CH159_5795MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |
| 10.6G ~18G Avg |  <br>Site : 03CH01-CA<br>Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL<br>Mode : 2 |  <br>Site : 03CH01-CA<br>Condition: AVG_54 3m HORN_02113_240426 VERTICAL<br>Mode : 2 |

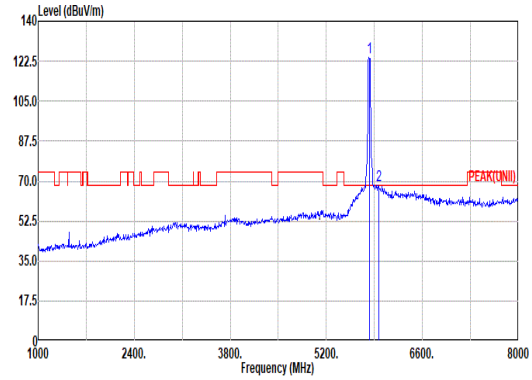
| Mode | 3 | |
|---|---|---|
| | Band Edge - L | |
| | U-NII-3_5.725-5.85_CH165_5825MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Fundamental |

**Peak**




Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5643.88 | 61.59 | 68.20 | -6.61 | 45.13 | 33.34 | 12.29 | 29.17 | 0.00 | 178 | 159 | PEAK |
| 2 | 5651.08 | 60.85 | 69.00 | -8.15 | 44.36 | 33.36 | 12.30 | 29.17 | 0.00 | 178 | 159 | PEAK |
| 3 | 5708.45 | 65.54 | 107.57 | -42.03 | 48.69 | 33.60 | 12.40 | 29.15 | 0.00 | 178 | 159 | PEAK |
| 4 | 5720.15 | 63.38 | 111.14 | -47.76 | 46.46 | 33.66 | 12.42 | 29.16 | 0.00 | 178 | 159 | PEAK |

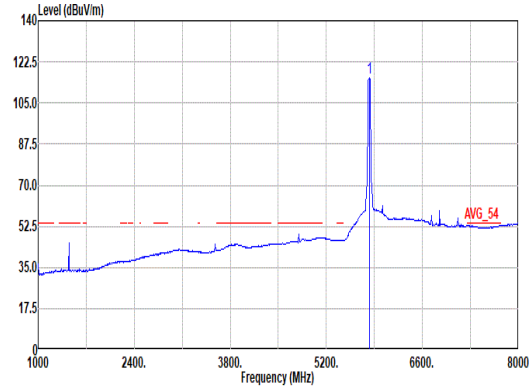



Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5825.00 | 123.92 | ------ | ------ | 106.46 | 34.10 | 12.57 | 29.21 | 0.00 | 178 | 159 | PEAK |
| 2 | 5959.75 | 67.93 | 68.20 | -0.27 | 50.33 | 34.25 | 12.60 | 29.25 | 0.00 | 178 | 159 | Peak |

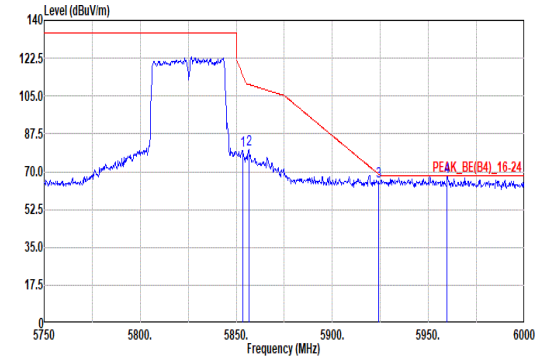
**Avg**

**Blank**




Site : 03CH01-CA
Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:0.010kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5825.00 | 115.64 | ------ | ------ | 98.17 | 34.11 | 12.57 | 29.21 | 0.00 | 178 | 159 | AVERAGE |

| Mode | 3 | |
|---|---|---|
| | Band Edge - R | |
| | U-NII-3_5.725-5.85_CH165_5825MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Fundamental |
| Peak |  | Blank |

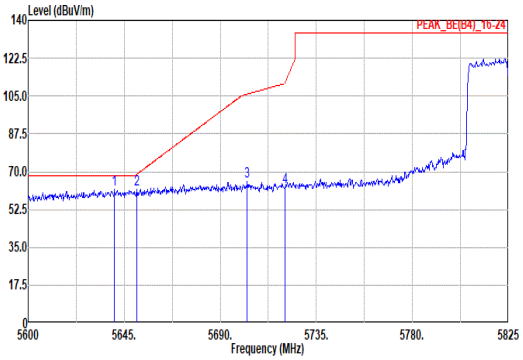


Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5853.50 | 80.02 | 114.22 | -34.20 | 62.50 | 34.18 | 12.57 | 29.23 | 0.00 | 178 | 159 | PEAK |
| 2 | 5856.50 | 80.08 | 110.38 | -30.30 | 62.56 | 34.18 | 12.57 | 29.23 | 0.00 | 178 | 159 | PEAK |
| 3 | 5924.00 | 65.52 | 68.94 | -3.42 | 47.92 | 34.25 | 12.59 | 29.24 | 0.00 | 178 | 159 | PEAK |
| 4 | 5959.75 | 67.81 | 68.20 | -0.39 | 50.23 | 34.24 | 12.60 | 29.26 | 0.00 | 178 | 159 | Peak |

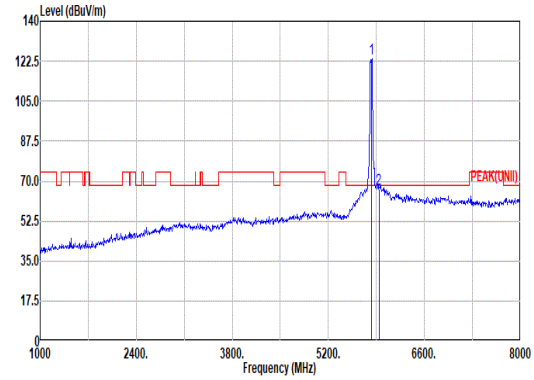
| Mode | 3 | |
|---|---|---|
| | Band Edge - L | |
| | U-NII-3_5.725-5.85_CH165_5825MHz | |
| ANT | MIMO | |
| Pol. | Vertical | Fundamental |

**Peak**




Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5640.50 | 61.68 | 68.20 | -6.52 | 45.17 | 33.39 | 12.28 | 29.16 | 0.00 | 179 | 188 | PEAK |
| 2 | 5650.85 | 61.91 | 68.83 | -6.92 | 45.36 | 33.42 | 12.30 | 29.17 | 0.00 | 179 | 188 | PEAK |
| 3 | 5702.60 | 65.38 | 105.93 | -40.55 | 48.53 | 33.61 | 12.39 | 29.15 | 0.00 | 179 | 188 | PEAK |
| 4 | 5720.15 | 63.00 | 111.14 | -48.14 | 46.04 | 33.70 | 12.42 | 29.16 | 0.00 | 179 | 188 | PEAK |

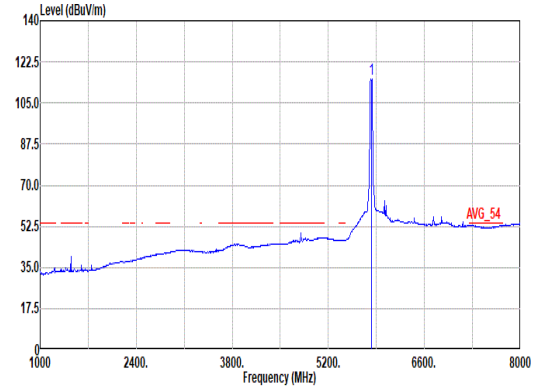



Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5825.00 | 123.64 | ------ | ------ | 106.12 | 34.17 | 12.57 | 29.22 | 0.00 | 179 | 188 | PEAK |
| 2 | 5936.50 | 66.34 | 68.20 | -1.86 | 48.68 | 34.31 | 12.59 | 29.24 | 0.00 | 179 | 188 | Peak |

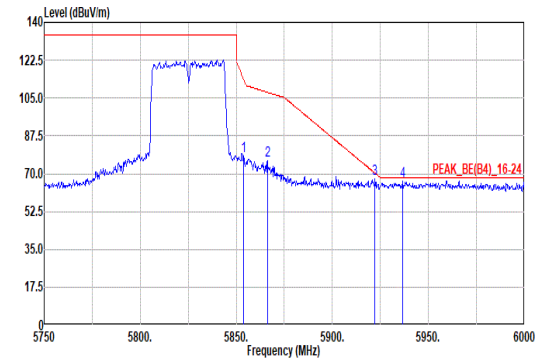
**Avg**

**Blank**

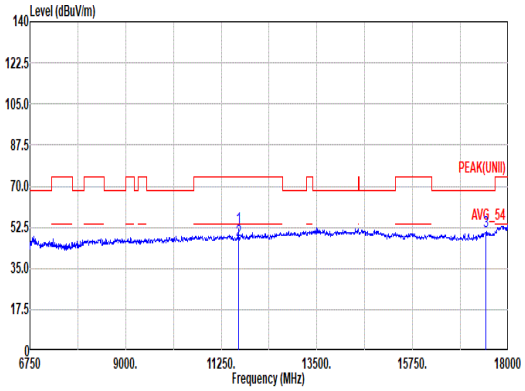
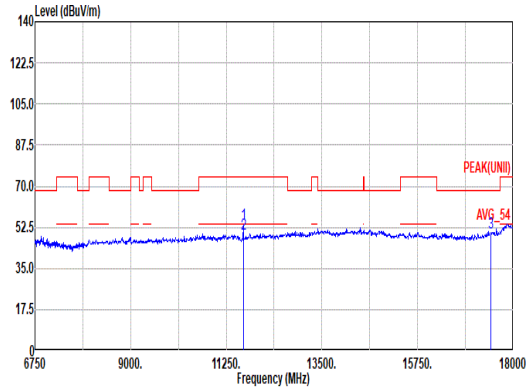



Site : 03CH01-CA
Condition: AVG_54 3m HORN_02113_240426 VERTICAL
: RBW:1000.000kHz VBW:0.010kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5825.00 | 115.13 | ------ | ------ | 97.60 | 34.19 | 12.57 | 29.23 | 0.00 | 179 | 188 | AVERAGE |

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">3</td></tr>
<tr><td colspan="2">Band Edge - R</td></tr>
<tr><td colspan="2">U-NII-3_5.725-5.85_CH165_5825MHz</td></tr>
<tr><td>ANT</td><td colspan="2">MIMO</td></tr>
<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 

Site : 03CH01-CA<br>
Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL<br>
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr>
<tr><td>1</td><td>5853.75</td><td>77.94</td><td>113.65</td><td>-35.71</td><td>60.38</td><td>34.22</td><td>12.57</td><td>29.23</td><td>0.00</td><td>179</td><td>188</td><td>PEAK</td></tr>
<tr><td>2</td><td>5866.25</td><td>75.82</td><td>107.65</td><td>-31.83</td><td>58.23</td><td>34.24</td><td>12.58</td><td>29.23</td><td>0.00</td><td>179</td><td>188</td><td>PEAK</td></tr>
<tr><td>3</td><td>5922.25</td><td>67.82</td><td>70.23</td><td>-2.41</td><td>50.16</td><td>34.31</td><td>12.59</td><td>29.24</td><td>0.00</td><td>179</td><td>188</td><td>PEAK</td></tr>
<tr><td>4</td><td>5936.50</td><td>66.34</td><td>68.20</td><td>-1.86</td><td>48.68</td><td>34.31</td><td>12.59</td><td>29.24</td><td>0.00</td><td>179</td><td>188</td><td>PEAK</td></tr>
</table></td><td>Blank</td></tr>
</table>

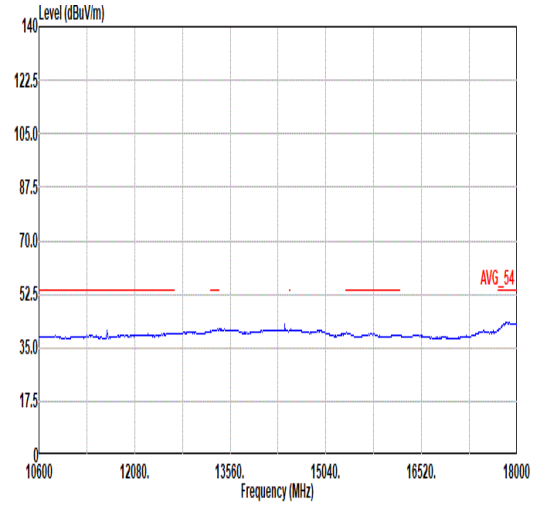
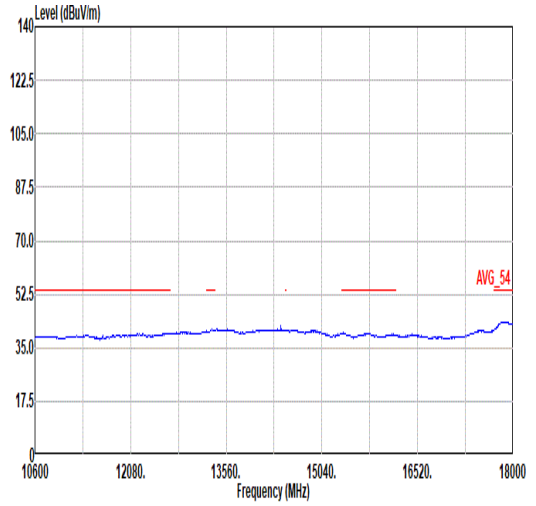
| Mode | 3 | |
|---|---|---|
| | Harmonic | |
| | U-NII-3_5.725-5.85_CH165_5825MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  |  |

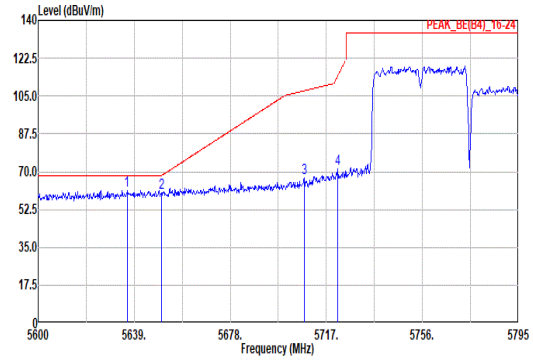
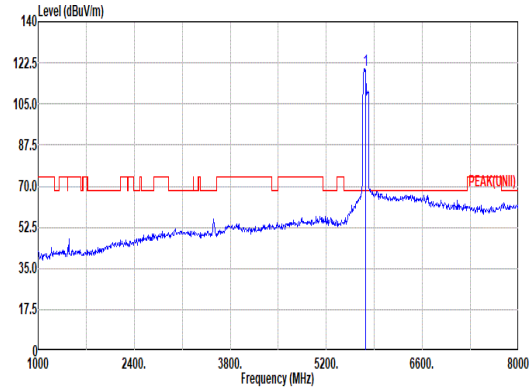
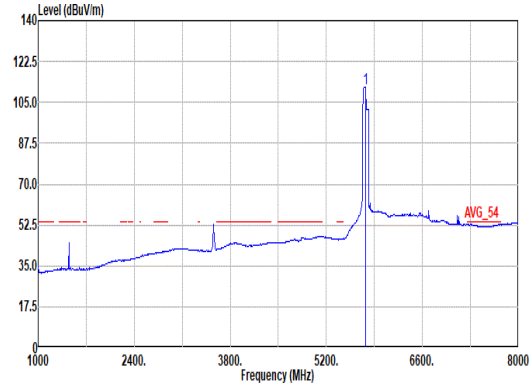
Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL
Mode : 3

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 11650.00 | 52.56 | 74.00 | -21.44 | 63.83 | 38.72 | 17.64 | 67.80 | 0.17 | 100 | 285 | PEAK |
| 2 | 11650.00 | 47.13 | 54.00 | -6.87 | 58.40 | 38.72 | 17.64 | 67.80 | 0.17 | 100 | 285 | Average |
| 3 | 17475.00 | 50.93 | 68.20 | -17.27 | 59.96 | 38.53 | 21.60 | 69.35 | 0.19 | -- | -- | PEAK |

Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL
Mode : 3

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 11650.00 | 54.02 | 74.00 | -19.98 | 65.31 | 38.70 | 17.64 | 67.80 | 0.17 | 100 | 35 | PEAK |
| 2 | 11650.00 | 49.64 | 54.00 | -4.36 | 60.93 | 38.70 | 17.64 | 67.80 | 0.17 | 100 | 35 | Average |
| 3 | 17475.00 | 50.23 | 68.20 | -17.97 | 59.04 | 38.75 | 21.60 | 69.35 | 0.19 | -- | -- | PEAK |

| Mode | 3 | |
|---|---|---|
| | Harmonic | |
| | U-NII-3_5.725-5.85_CH165_5825MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |
| 10.6G ~18G Avg |  <br>Site : 03CH01-CA<br>Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL<br>Mode : 3 |  <br>Site : 03CH01-CA<br>Condition: AVG_54 3m HORN_02113_240426 VERTICAL<br>Mode : 3 |

| Mode | 4 | |
|---|---|---|
| | Band Edge - L | |
| | U-NII-3_5.725-5.85_CH151+159_5755+5795MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Fundamental |
| Peak |  |  |
| Avg | Blank |  |

Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

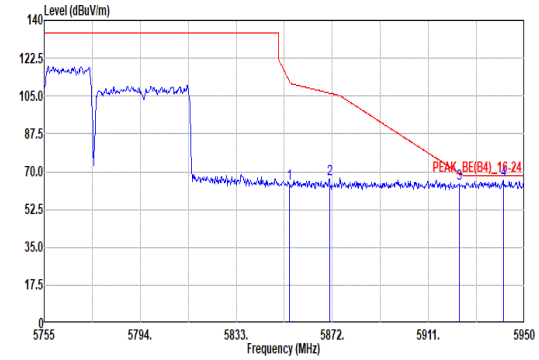
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5636.08 | 61.29 | 68.20 | -6.91 | 44.86 | 33.32 | 12.27 | 29.16 | 0.00 | 177 | 162 | PEAK |
| 2 | 5650.12 | 60.21 | 68.29 | -8.08 | 43.72 | 33.36 | 12.30 | 29.17 | 0.00 | 177 | 162 | PEAK |
| 3 | 5708.03 | 67.07 | 107.45 | -40.38 | 50.22 | 33.60 | 12.40 | 29.15 | 0.00 | 177 | 162 | PEAK |
| 4 | 5721.49 | 71.48 | 114.19 | -42.71 | 54.56 | 33.66 | 12.42 | 29.16 | 0.00 | 177 | 162 | PEAK |

Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5775.00 | 119.43 | ------ | ------ | 102.19 | 33.91 | 12.51 | 29.18 | 0.00 | 177 | 162 | Peak |

Site : 03CH01-CA
Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:0.010kHz SWT:Auto

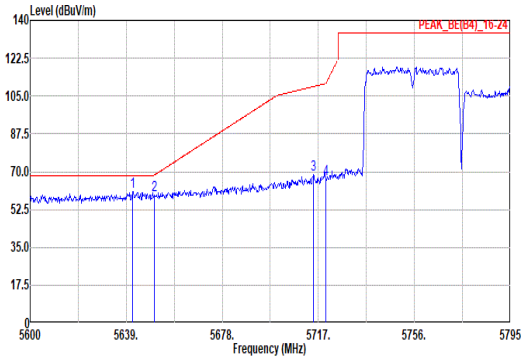
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5775.00 | 111.03 | ------ | ------ | 93.79 | 33.91 | 12.51 | 29.18 | 0.00 | 177 | 162 | Average |

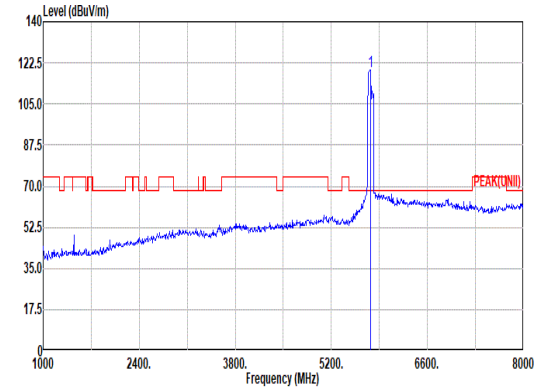
| Mode | 4 | |
|---|---|---|
| | Band Edge - R | |
| | U-NII-3_5.725-5.85_CH151+159_5755+5795MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Fundamental |
| Peak |  | Blank |

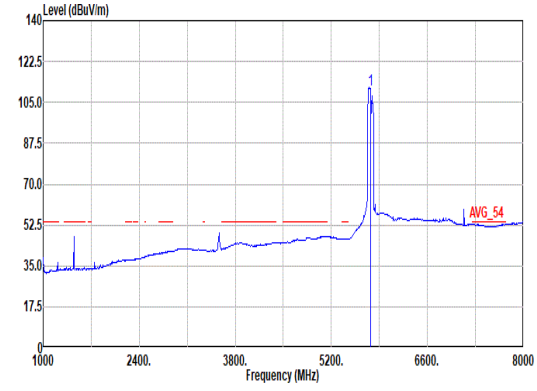


Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5854.65 | 64.63 | 111.61 | -46.98 | 47.11 | 34.18 | 12.57 | 29.23 | 0.00 | 177 | 162 | PEAK |
| 2 | 5870.83 | 66.63 | 106.37 | -39.74 | 49.08 | 34.20 | 12.58 | 29.23 | 0.00 | 177 | 162 | PEAK |
| 3 | 5923.48 | 64.53 | 69.32 | -4.79 | 46.93 | 34.25 | 12.59 | 29.24 | 0.00 | 177 | 162 | PEAK |
| 4 | 5941.42 | 65.92 | 68.20 | -2.28 | 48.32 | 34.25 | 12.60 | 29.25 | 0.00 | 177 | 162 | PEAK |

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">4</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-3_5.725-5.85_CH151+159_5755+5795MHz</td></tr>
<tr><td>ANT</td><td colspan="2">MIMO</td></tr>
<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td>


Site : 03CH01-CA<br>
Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL<br>
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5641.73</td><td>60.72</td><td>68.20</td><td>-7.48</td><td>44.21</td><td>33.40</td><td>12.28</td><td>29.17</td><td>0.00</td><td>177</td><td>159</td><td>PEAK</td></tr>
<tr><td>2</td><td>5650.51</td><td>59.04</td><td>68.58</td><td>-9.54</td><td>42.49</td><td>33.42</td><td>12.30</td><td>29.17</td><td>0.00</td><td>177</td><td>159</td><td>PEAK</td></tr>
<tr><td>3</td><td>5715.05</td><td>68.91</td><td>109.42</td><td>-40.51</td><td>51.99</td><td>33.67</td><td>12.41</td><td>29.16</td><td>0.00</td><td>177</td><td>159</td><td>PEAK</td></tr>
<tr><td>4</td><td>5720.12</td><td>66.40</td><td>111.07</td><td>-44.67</td><td>49.44</td><td>33.70</td><td>12.42</td><td>29.16</td><td>0.00</td><td>177</td><td>159</td><td>PEAK</td></tr>
</table>
</td><td>


Site : 03CH01-CA<br>
Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL<br>
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5775.00</td><td>118.69</td><td>------</td><td>------</td><td>101.41</td><td>33.95</td><td>12.51</td><td>29.18</td><td>0.00</td><td>177</td><td>159</td><td>Peak</td></tr>
</table>
</td></tr>
<tr><td>Avg</td><td>Blank</td><td>


Site : 03CH01-CA<br>
Condition: AVG_54 3m HORN_02113_240426 VERTICAL<br>
: RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br>
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5775.00</td><td>110.40</td><td>------</td><td>------</td><td>93.12</td><td>33.95</td><td>12.51</td><td>29.18</td><td>0.00</td><td>177</td><td>159</td><td>Average</td></tr>
</table>
</td></tr>
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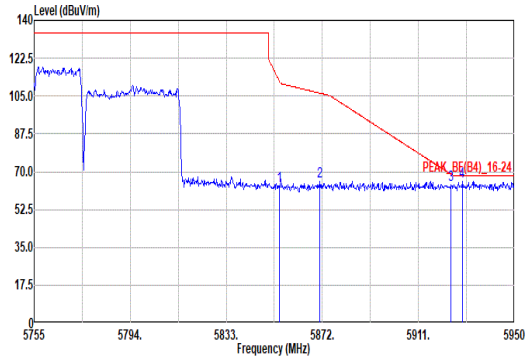
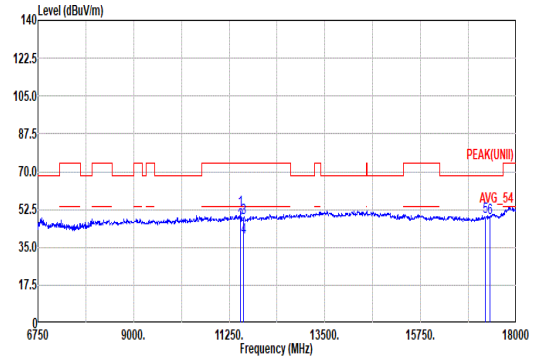
<table>
<tr><td rowspan="3">Mode</td><td colspan="2">4</td></tr>
<tr><td colspan="2">Band Edge - R</td></tr>
<tr><td colspan="2">U-NII-3_5.725-5.85_CH151+159_5755+5795MHz</td></tr>
<tr><td>ANT</td><td colspan="2">MIMO</td></tr>
<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td>


Site : 03CH01-CA<br>
Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL<br>
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>
<br>
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr>
<tr><td>1</td><td>5854.65</td><td>63.60</td><td>111.61</td><td>-48.01</td><td>46.04</td><td>34.22</td><td>12.57</td><td>29.23</td><td>0.00</td><td>177</td><td>159</td><td>PEAK</td></tr>
<tr><td>2</td><td>5871.03</td><td>65.67</td><td>106.31</td><td>-40.64</td><td>48.07</td><td>34.25</td><td>12.58</td><td>29.23</td><td>0.00</td><td>177</td><td>159</td><td>PEAK</td></tr>
<tr><td>3</td><td>5924.07</td><td>63.83</td><td>68.89</td><td>-5.06</td><td>46.17</td><td>34.31</td><td>12.59</td><td>29.24</td><td>0.00</td><td>177</td><td>159</td><td>PEAK</td></tr>
<tr><td>4</td><td>5928.75</td><td>65.36</td><td>68.20</td><td>-2.84</td><td>47.70</td><td>34.31</td><td>12.59</td><td>29.24</td><td>0.00</td><td>177</td><td>159</td><td>PEAK</td></tr>
</table>
</td><td>Blank</td></tr>
</table>

| Mode | 4 | |
|---|---|---|
| | Harmonic | |
| | U-NII-3_5.725-5.85_CH151+159_5755+5795MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |

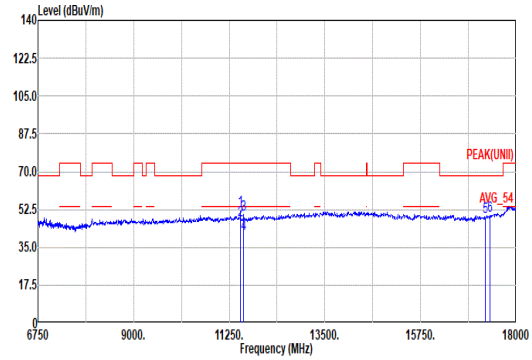
Peak

Avg



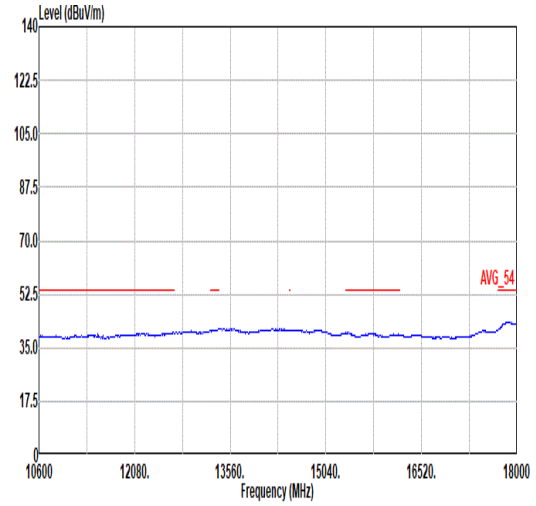
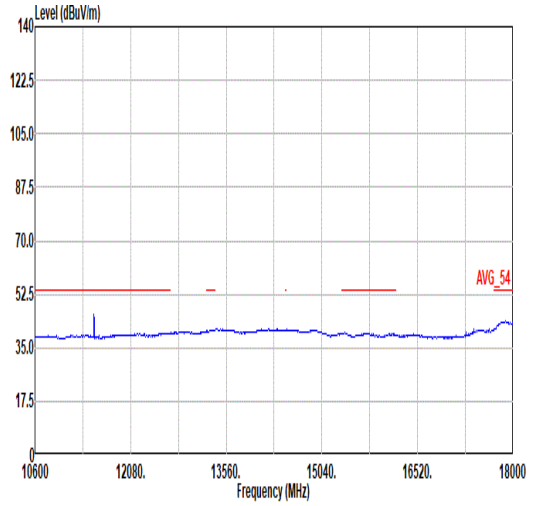

Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL
Mode : 4

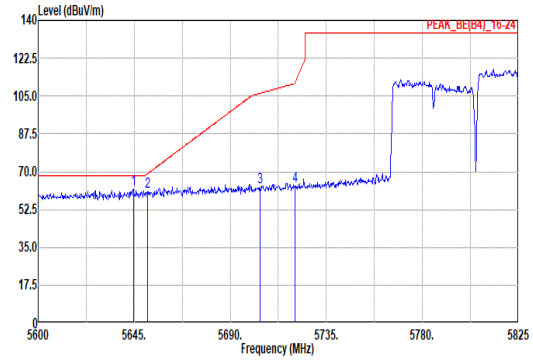
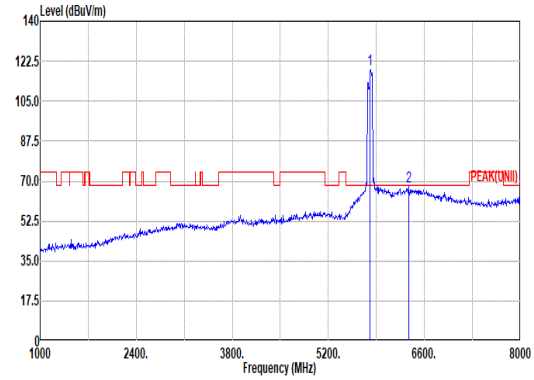
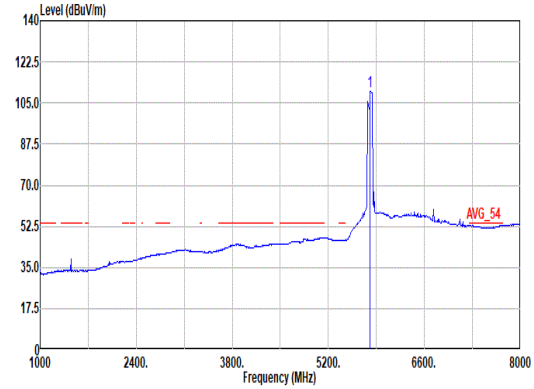
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 11510.00 | 52.12 | 74.00 | -21.88 | 63.13 | 39.07 | 17.54 | 67.82 | 0.20 | 295 | 207 | Peak |
| 2 | 11510.00 | 46.59 | 54.00 | -7.41 | 57.60 | 39.07 | 17.54 | 67.82 | 0.20 | 295 | 207 | Average |
| 3 | 11590.00 | 48.53 | 74.00 | -25.47 | 59.80 | 38.85 | 17.60 | 67.90 | 0.18 | -- | -- | Peak |
| 4 | 11590.00 | 39.49 | 54.00 | -14.51 | 50.76 | 38.85 | 17.60 | 67.90 | 0.18 | -- | -- | Average |
| 5 | 17265.00 | 49.27 | 68.20 | -18.93 | 58.62 | 37.97 | 21.47 | 68.98 | 0.19 | -- | -- | PEAK |
| 6 | 17385.00 | 48.55 | 68.20 | -19.65 | 57.72 | 38.25 | 21.55 | 69.16 | 0.19 | -- | -- | Peak |




Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL
Mode : 4

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 11510.00 | 52.45 | 74.00 | -21.55 | 63.50 | 39.03 | 17.54 | 67.82 | 0.20 | 100 | 41 | PEAK |
| 2 | 11510.00 | 47.53 | 54.00 | -6.47 | 58.58 | 39.03 | 17.54 | 67.82 | 0.20 | 100 | 41 | Average |
| 3 | 11590.00 | 49.99 | 74.00 | -24.01 | 61.29 | 38.82 | 17.60 | 67.90 | 0.18 | -- | -- | Peak |
| 4 | 11590.00 | 40.99 | 54.00 | -13.01 | 52.29 | 38.82 | 17.60 | 67.90 | 0.18 | -- | -- | Average |
| 5 | 17265.00 | 48.95 | 68.20 | -19.25 | 58.13 | 38.14 | 21.47 | 68.98 | 0.19 | -- | -- | PEAK |
| 6 | 17385.00 | 49.59 | 68.20 | -18.61 | 58.56 | 38.45 | 21.55 | 69.16 | 0.19 | -- | -- | Peak |

| Mode | 4 | |
|---|---|---|
| | Harmonic | |
| | U-NII-3_5.725-5.85_CH151+159_5755+5795MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |
| 10.6G ~18G Avg |  <br>Site : 03CH01-CA<br>Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL<br>Mode : 4 |  <br>Site : 03CH01-CA<br>Condition: AVG_54 3m HORN_02113_240426 VERTICAL<br>Mode : 4 |

| Mode | 5 | |
|---|---|---|
| | Band Edge - L | |
| | U-NII-3_5.725-5.85_CH157+165_5785+5825MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Fundamental |
| Peak |  |  |
| Avg | Blank |  |



Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5644.55 | 62.05 | 68.20 | -6.15 | 45.59 | 33.34 | 12.29 | 29.17 | 0.00 | 179 | 169 | PEAK |
| 2 | 5651.30 | 60.90 | 69.17 | -8.27 | 44.40 | 33.37 | 12.30 | 29.17 | 0.00 | 179 | 169 | PEAK |
| 3 | 5703.95 | 63.07 | 106.31 | -43.24 | 46.25 | 33.58 | 12.39 | 29.15 | 0.00 | 179 | 169 | PEAK |
| 4 | 5720.38 | 63.41 | 111.66 | -48.25 | 46.49 | 33.66 | 12.42 | 29.16 | 0.00 | 179 | 169 | PEAK |



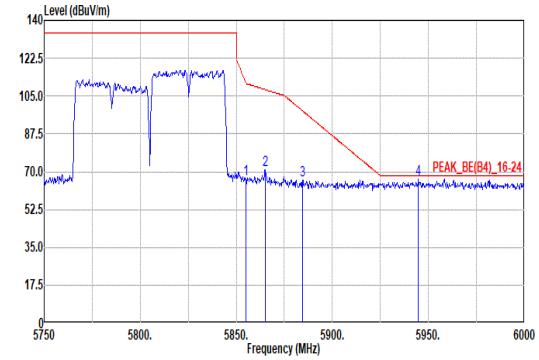
Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5805.00 | 118.62 | ------ | ------ | 101.17 | 34.09 | 12.57 | 29.21 | 0.00 | 179 | 169 | PEAK |
| 2 | 6369.00 | 67.61 | 68.20 | -0.59 | 49.35 | 34.72 | 13.08 | 29.54 | 0.00 | 179 | 169 | PEAK |



Site : 03CH01-CA
Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:0.010kHz SWT:Auto

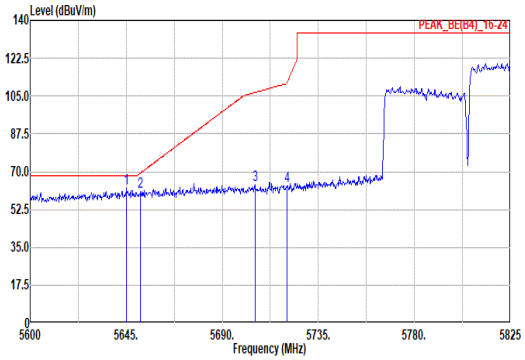
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5805.00 | 109.72 | ------ | ------ | 92.27 | 34.09 | 12.57 | 29.21 | 0.00 | 179 | 169 | AVERAGE |

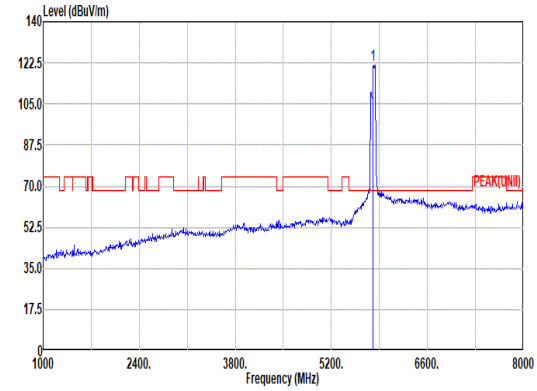
| Mode | 5 | |
|---|---|---|
| | Band Edge - R | |
| | U-NII-3_5.725-5.85_CH157+165_5785+5825MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Fundamental |
| Peak |  | Blank |

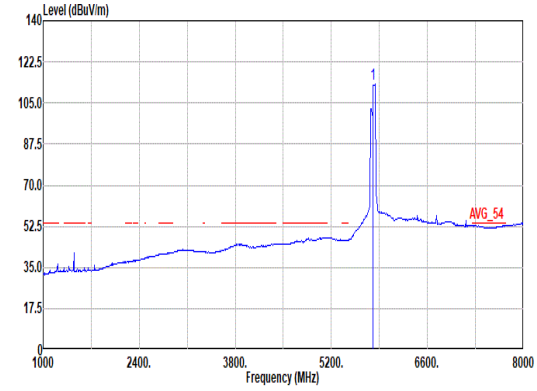


Site : 03CH01-CA
Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

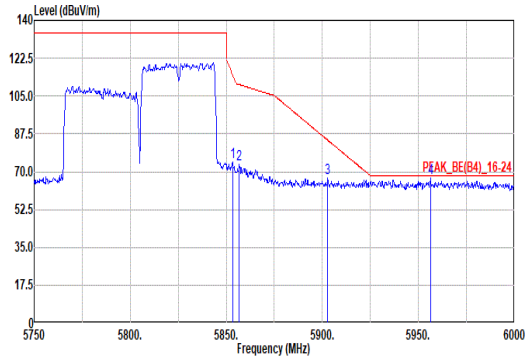
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 5855.00 | 66.76 | 110.80 | -44.04 | 49.24 | 34.18 | 12.57 | 29.23 | 0.00 | 179 | 169 | PEAK |
| 2 | 5865.00 | 70.80 | 108.00 | -37.20 | 53.26 | 34.19 | 12.58 | 29.23 | 0.00 | 179 | 169 | PEAK |
| 3 | 5884.50 | 66.30 | 98.15 | -31.85 | 48.72 | 34.23 | 12.58 | 29.23 | 0.00 | 179 | 169 | PEAK |
| 4 | 5944.75 | 66.45 | 68.20 | -1.75 | 48.85 | 34.25 | 12.60 | 29.25 | 0.00 | 179 | 169 | PEAK |

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">5</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-3_5.725-5.85_CH157+165_5785+5825MHz</td></tr>
<tr><td>ANT</td><td colspan="2">MIMO</td></tr>
<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td>


Site : 03CH01-CA<br>
Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL<br>
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5645.23</td><td>62.15</td><td>68.20</td><td>-6.05</td><td>45.62</td><td>33.41</td><td>12.29</td><td>29.17</td><td>0.00</td><td>173</td><td>189</td><td>PEAK</td></tr>
<tr><td>2</td><td>5651.75</td><td>60.62</td><td>69.50</td><td>-8.88</td><td>44.06</td><td>33.43</td><td>12.30</td><td>29.17</td><td>0.00</td><td>173</td><td>189</td><td>PEAK</td></tr>
<tr><td>3</td><td>5705.30</td><td>63.69</td><td>106.69</td><td>-43.00</td><td>46.82</td><td>33.63</td><td>12.39</td><td>29.15</td><td>0.00</td><td>173</td><td>189</td><td>PEAK</td></tr>
<tr><td>4</td><td>5720.15</td><td>63.26</td><td>111.14</td><td>-47.88</td><td>46.30</td><td>33.70</td><td>12.42</td><td>29.16</td><td>0.00</td><td>173</td><td>189</td><td>PEAK</td></tr>
</table>
</td><td>


Site : 03CH01-CA<br>
Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL<br>
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5805.00</td><td>121.65</td><td>------</td><td>------</td><td>104.16</td><td>34.13</td><td>12.57</td><td>29.21</td><td>0.00</td><td>173</td><td>189</td><td>PEAK</td></tr>
</table>
</td></tr>
<tr><td>Avg</td><td>Blank</td><td>


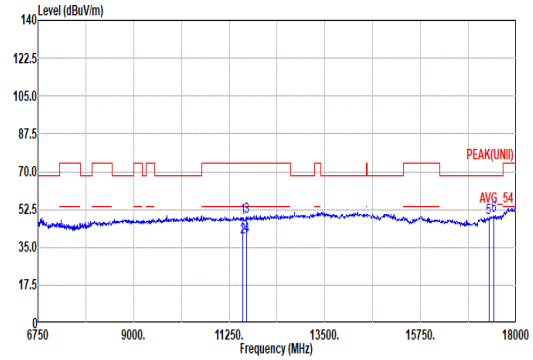
Site : 03CH01-CA<br>
Condition: AVG_54 3m HORN_02113_240426 VERTICAL<br>
: RBW:1000.000kHz VBW:0.010kHz SWT:Auto<br>
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5805.00</td><td>112.89</td><td>------</td><td>------</td><td>95.37</td><td>34.17</td><td>12.57</td><td>29.22</td><td>0.00</td><td>173</td><td>189</td><td>AVERAGE</td></tr>
</table>
</td></tr>
</table>

| Mode | 5 | |
|---|---|---|
| | Band Edge - R | |
| | U-NII-3_5.725-5.85_CH157+165_5785+5825MHz | |
| ANT | MIMO | |
| Pol. | Vertical | Fundamental |
| Peak |  <br>Site : 03CH01-CA<br>Condition: PEAK_BE(B4)_16-24 3m HORN_02113_240426 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br><br>Freq / Level / Limit Line / Margin / Read Level / Ant Factor / Cable Loss / Preamp Factor / Aux Factor / APos / TPos / Remark<br>1 5853.25 MHz 74.62 dBuV/m 114.79 dBuV/m -40.17 dB 57.06 dBuV 34.22 dB/m 12.57 dB 29.23 dB 0.00 dB 173 cm 189 deg PEAK<br>2 5856.75 MHz 73.34 dBuV/m 110.31 dBuV/m -36.97 dB 55.78 dBuV 34.22 dB/m 12.57 dB 29.23 dB 0.00 dB 173 cm 189 deg PEAK<br>3 5902.75 MHz 67.02 dBuV/m 84.63 dBuV/m -17.61 dB 49.36 dBuV 34.30 dB/m 12.59 dB 29.23 dB 0.00 dB 173 cm 189 deg Peak<br>4 5956.25 MHz 67.02 dBuV/m 68.20 dBuV/m -1.18 dB 49.35 dBuV 34.32 dB/m 12.60 dB 29.25 dB 0.00 dB 173 cm 189 deg Peak | Blank |

| Mode | 5 | |
|---|---|---|
| | Harmonic | |
| | U-NII-3_5.725-5.85_CH157+165_5785+5825MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |

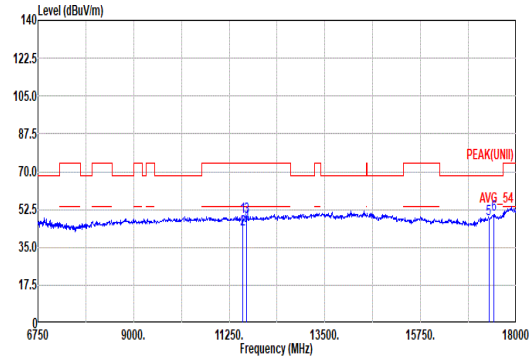
Peak

Avg



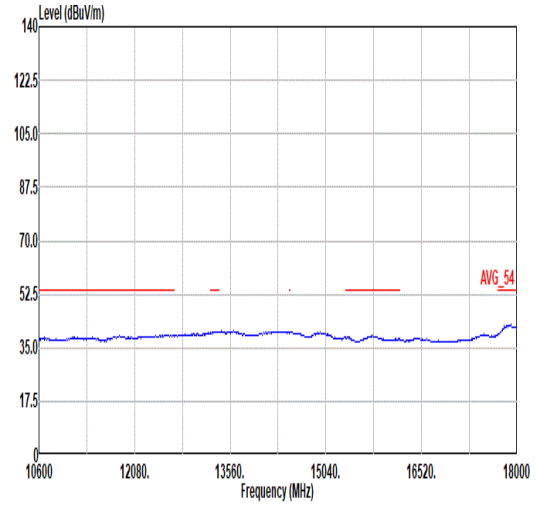
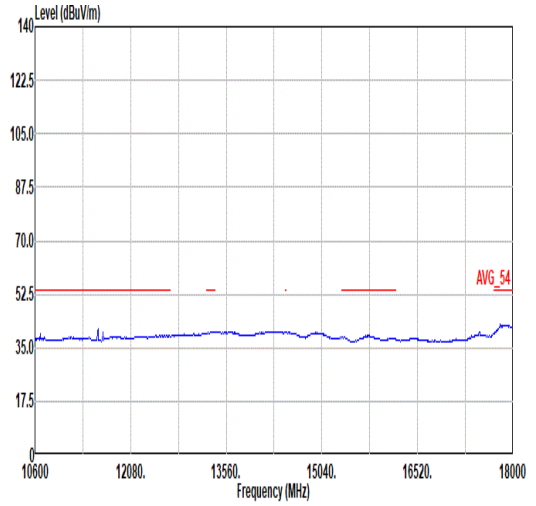

Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL
Mode : 5

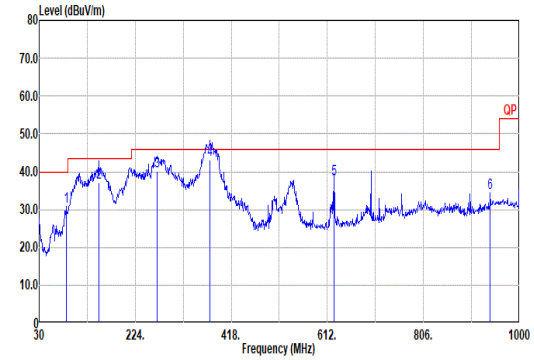
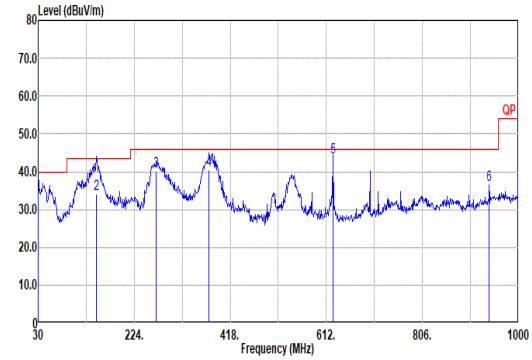
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 11570.00 | 48.52 | 74.00 | -25.48 | 59.72 | 38.92 | 17.58 | 67.89 | 0.19 | -- | -- | Peak |
| 2 | 11570.00 | 39.51 | 54.00 | -14.49 | 50.71 | 38.92 | 17.58 | 67.89 | 0.19 | -- | -- | Average |
| 3 | 11650.00 | 49.06 | 74.00 | -24.94 | 60.33 | 38.72 | 17.64 | 67.80 | 0.17 | -- | -- | PEAK |
| 4 | 11650.00 | 39.98 | 54.00 | -14.02 | 51.25 | 38.72 | 17.64 | 67.80 | 0.17 | -- | -- | Average |
| 5 | 17355.00 | 48.42 | 68.20 | -19.78 | 57.63 | 38.16 | 21.53 | 69.09 | 0.19 | -- | -- | Peak |
| 6 | 17475.00 | 49.43 | 68.20 | -18.77 | 58.46 | 38.53 | 21.60 | 69.35 | 0.19 | -- | -- | Peak |




Site : 03CH01-CA
Condition: PEAK(UNII) 3m HORN_02113_240426 VERTICAL
Mode : 5

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 11570.00 | 48.96 | 74.00 | -25.04 | 60.20 | 38.88 | 17.58 | 67.89 | 0.19 | 192 | 40 | Peak |
| 2 | 11570.00 | 43.23 | 54.00 | -10.77 | 54.47 | 38.88 | 17.58 | 67.89 | 0.19 | 192 | 40 | Average |
| 3 | 11650.00 | 48.94 | 74.00 | -25.06 | 60.23 | 38.70 | 17.64 | 67.80 | 0.17 | 180 | 45 | PEAK |
| 4 | 11650.00 | 45.99 | 54.00 | -8.01 | 57.28 | 38.70 | 17.64 | 67.80 | 0.17 | 180 | 45 | Average |
| 5 | 17355.00 | 48.04 | 68.20 | -20.16 | 57.05 | 38.36 | 21.53 | 69.09 | 0.19 | -- | -- | Peak |
| 6 | 17475.00 | 50.13 | 68.20 | -18.07 | 58.94 | 38.75 | 21.60 | 69.35 | 0.19 | -- | -- | Peak |

| Mode | 5 | |
|---|---|---|
| | Harmonic | |
| | U-NII-3_5.725-5.85_CH157+165_5785+5825MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |
| 10.6G ~18G Avg |  <br>Site : 03CH01-CA<br>Condition: AVG_54 3m HORN_02113_240426 HORIZONTAL<br>Mode : 5 |  <br>Site : 03CH01-CA<br>Condition: AVG_54 3m HORN_02113_240426 VERTICAL<br>Mode : 5 |

| Mode | 6 | |
|---|---|---|
| | LF | |
| | U-NII-3_5.725-5.85_CH165_5825MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |
| QP/ Peak |  |  |

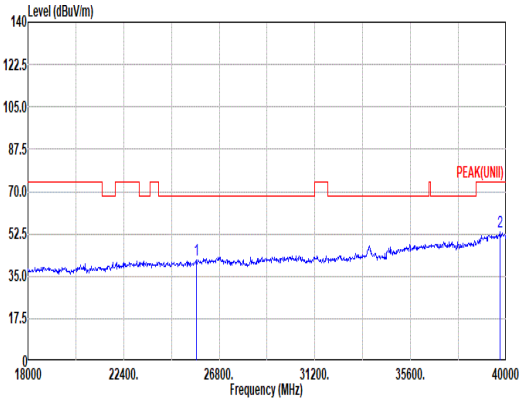
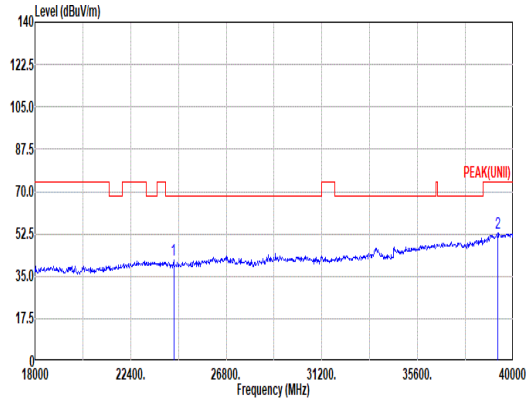


Site : 03CH01-CA
Condition: QP 3m BILOG_54683_241115 HORIZONTAL

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 84.32 | 30.79 | 40.00 | -9.21 | 47.46 | 14.12 | 1.53 | 32.45 | 0.13 | -- | -- | Peak |
| 2 | 150.28 | 37.28 | 43.50 | -6.22 | 50.35 | 17.19 | 2.11 | 32.45 | 0.08 | 141 | 80 | QP |
| 3 | 268.62 | 40.16 | 46.00 | -5.84 | 50.28 | 19.41 | 2.78 | 32.45 | 0.14 | 100 | 15 | QP |
| 4 | 375.32 | 43.29 | 46.00 | -2.71 | 51.25 | 21.18 | 3.27 | 32.53 | 0.12 | 100 | 111 | QP |
| 5 | 625.58 | 38.18 | 46.00 | -7.82 | 40.25 | 26.09 | 4.29 | 32.63 | 0.18 | 100 | 25 | QP |
| 6 | 940.83 | 34.30 | 46.00 | -11.70 | 29.52 | 30.55 | 5.21 | 31.33 | 0.35 | -- | -- | Peak |

Site : 03CH01-CA
Condition: QP 3m BILOG_54683_241115 VERTICAL

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 30.00 | 34.10 | 40.00 | -5.90 | 40.40 | 25.11 | 0.96 | 32.45 | 0.08 | 100 | 117 | QP |
| 2 | 147.37 | 34.23 | 43.50 | -9.27 | 47.16 | 17.34 | 2.09 | 32.45 | 0.09 | 100 | 215 | QP |
| 3 | 268.62 | 40.21 | 46.00 | -5.79 | 50.33 | 19.41 | 2.78 | 32.45 | 0.14 | 100 | 175 | QP |
| 4 | 375.32 | 40.43 | 46.00 | -5.57 | 48.39 | 21.18 | 3.27 | 32.53 | 0.12 | 100 | 48 | QP |
| 5 | 625.58 | 43.83 | 46.00 | -2.17 | 45.90 | 26.09 | 4.29 | 32.63 | 0.18 | 100 | 35 | QP |
| 6 | 940.83 | 36.52 | 46.00 | -9.48 | 31.74 | 30.55 | 5.21 | 31.33 | 0.35 | -- | -- | Peak |

| Mode | 7 | |
|---|---|---|
| | SHF | |
| | U-NII-3_5.725-5.85_CH165_5825MHz | |
| ANT | MIMO | |
| Pol. | Horizontal | Vertical |
| Peak |  |  |

Site : 03CH01-CA
Condition: PEAK(UNII) 1m SHF_HORN_841_240807 HORIZONTAL

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 25744.00 | 41.77 | 68.20 | -26.43 | 38.18 | 38.79 | 27.09 | 52.75 | -9.54 | 170 | 230 | Peak |
| 2 | 39714.00 | 53.16 | 74.00 | -20.84 | 39.10 | 43.87 | 33.51 | 53.78 | -9.54 | 170 | 131 | Peak |

Site : 03CH01-CA
Condition: PEAK(UNII) 1m SHF_HORN_841_240807 Vertical

| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 24380.00 | 41.62 | 68.20 | -26.58 | 38.46 | 38.99 | 26.24 | 52.53 | -9.54 | 170 | 214 | Peak |
| 2 | 39296.00 | 53.09 | 74.00 | -20.91 | 37.93 | 45.26 | 33.19 | 53.75 | -9.54 | 170 | 87 | Peak |

# Appendix D. Duty Cycle Plots

| Band | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting |
|---|---|---|---|---|
| 5GHz 802.11be EHT40 Full RU | 100% | - | - | 10Hz |

**Proprietary radio 5G**