



FCC RADIO TEST REPORT

FCC ID : 2ABOF-G1BN6ASI002
Equipment : Base Node (BN)
Brand Name : TARANA
Model Name : G1BN6ASI002
Marketing Name : TARANA G1
Applicant : Tarana Wireless
590 Alder Drive, Milpitas, CA 95035
Manufacturer : Tarana Wireless
590 Alder Drive, Milpitas, CA 95035
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jul. 26, 2023 and testing was performed from Oct. 26, 2023 to Nov. 08, 2023. 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 partial 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: Abi Lin

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



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History of this test report

| Report No. | Version | Description | Issue Date |
|----------------|---------|-------------------------|---------------|
| FR230625004-03 | 01 | Initial issue of report | Nov. 15, 2023 |
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Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|-----------------|--------------------------|--------------------|--|
| 3.1 | 15.407(a)(4) | Fundamental Maximum EIRP | Pass | - |
| 3.2 | 15.407(b) | Unwanted Emissions | Pass | 1.30 dB under the limit at 7377.00 MHz |
| 3.3 | 15.203 | Antenna Requirement | Pass | - |

Note: The device is hardware identical to original grant (FCC ID: 2ABOF-G1BN6ASI002) but activate four carrier mode via software change. In four carrier operation, each port is transmitting two of four carriers. Thus output power and occupied BW of each port is same as original grant. Only conducted power and RSE spot check is performed in four carrier mode.

| |
|--|
| 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/manufacture 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 | | |
| 6 GHz Access Point | | |
| Antenna Type | | |
| Array Antenna | | |

| Antenna information | | |
|----------------------------|-----------------|------|
| 5925 MHz ~ 6425 MHz | Peak Gain (dBi) | 16.9 |
| 6525 MHz ~ 6875 MHz | Peak Gain (dBi) | 17.3 |

Remark:

1. The device is driving cross-polarized antenna, which has 8 horizontal polarization antenna and 8 vertical polarization antenna
2. The device activate 4 carrier mode operation which has 8 antenna transmitting carrier 0 and carrier 2; the other 8 antenna transmitting carrier 1 and carrier 3.
3. Minimum number of spatial stream (Nss) is 8
4. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

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 TEL : 408 9043300 |
| Test Site No. | Sporton Site No. TH01-CA, 03CH02-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 987594 D02 U-NII 6 GHz EMC Measurement v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



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: radiation emission (1 GHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

2.1 Carrier Frequency and Channel

| Frequency Band | Channel | Freq. (MHz) |
|--|---------|-------------|
| 5925-6425 MHz (U-NII-5) 40MHz | 3 | 5965 |
| | 7 | 5985 |
| | 11 | 6005 |
| | 15 | 6025 |
| | 19 | 6045 |
| | 23 | 6065 |
| | 27 | 6085 |
| | 31 | 6105 |
| | 35 | 6125 |
| | 39 | 6145 |
| | 43 | 6165 |
| | 47 | 6185 |
| | 51 | 6205 |
| | 55 | 6225 |
| | 59 | 6245 |
| | 63 | 6265 |
| | 67 | 6285 |
| | 71 | 6305 |
| | 75 | 6325 |
| 79 | 6345 | |
| 83 | 6365 | |
| 87 | 6385 | |
| 91 | 6405 | |
| 5925-6425 MHz (U-NII-5) 40+40MHz | 3 + 11 | 5965 + 6005 |
| | 43 + 51 | 6165 + 6205 |
| | 83 + 91 | 6365 + 6405 |
| | 3 + 91 | 5965 + 6405 |



| Frequency Band | Channel | Freq. (MHz) |
|---|-------------|---------------------|
| 5925-6425 MHz (U-NII-5) 40+40+40+40 MHz | 3+11+19+27 | 5965+6005+6045+6085 |
| | 35+43+51+59 | 6125+6165+6205+6245 |
| | 67+75+83+91 | 6285+6325+6365+6405 |
| | 3+27+51+91 | 5965+6085+6205+6405 |

| Frequency Band | Channel | Freq. (MHz) |
|---|-----------------|---------------------|
| 6525-6875 MHz (U-NII-7) 40MHz | 119 | 6545 |
| | 123 | 6565 |
| | 127 | 6585 |
| | 131 | 6605 |
| | 135 | 6625 |
| | 139 | 6645 |
| | 143 | 6665 |
| | 147 | 6685 |
| | 151 | 6705 |
| | 155 | 6725 |
| | 159 | 6745 |
| | 163 | 6765 |
| | 167 | 6785 |
| | 171 | 6805 |
| | 173 | 6815 |
| | 175 | 6825 |
| 179 | 6845 | |
| 181 | 6855 | |
| 6525-6875 MHz (U-NII-7) 40+40MHz | 119 + 127 | 6545 + 6585 |
| | 147 + 155 | 6685 + 6725 |
| | 173 + 181 | 6815 + 6855 |
| | 119 + 181 | 6545 + 6855 |
| 6525-6875 MHz (U-NII-7) 40+40+40+40 MHz | 119+127+135+143 | 6545+6585+6625+6665 |
| | 139+147+155+163 | 6645+6685+6725+6765 |
| | 157+165+173+181 | 6735+6775+6815+6855 |
| | 119+139+159+181 | 6545+6645+6745+6855 |



2.2 Test Mode

<Multi Carrier (Contiguous)>

| UNII-5 (5925-6425 MHz) |
|--|
| Channel BW 40MHz + 40MHz + 40MHz + 40MHz |
| 5965MHz+6005MHz+6045MHz+6085MHz |
| 6125MHz+6165MHz+6205MHz+6245MHz |
| 6285MHz+6325MHz+6365MHz+6405MHz |

| UNII-7 (6525-6875 MHz) |
|--|
| Channel BW 40MHz + 40MHz + 40MHz + 40MHz |
| 6545MHz+6585MHz+6625MHz+6665MHz |
| 6645MHz+6685MHz+6725MHz+6765MHz |
| 6735MHz+6775MHz+6815MHz+6855MHz |

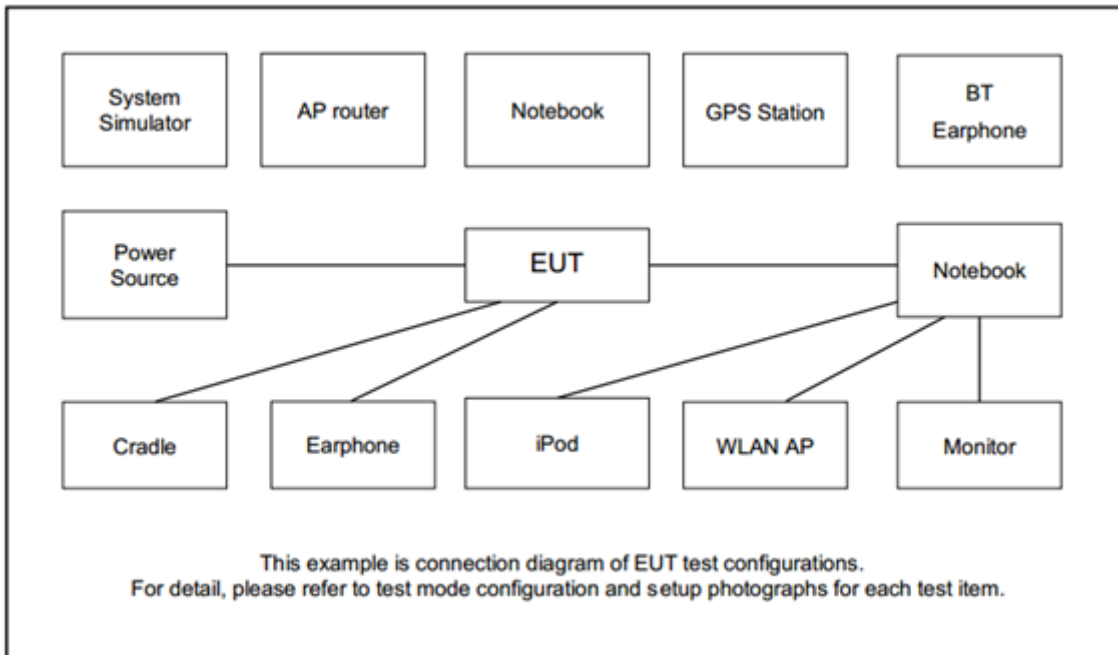
<Multi Carrier (Non-Contiguous)>

| UNII-5 (5925-6425 MHz) |
|--|
| Channel BW 40MHz + 40MHz + 40MHz + 40MHz |
| 5965MHz+6085MHz+6205MHz+6405MHz |

| UNII-7 (6525-6875 MHz) |
|--|
| Channel BW 40MHz + 40MHz + 40MHz + 40MHz |
| 6545MHz+6645MHz+6745MHz+6855MHz |

Remark: 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. | Adapter | MEAN WELL | HEP-480-54A | NA | NA | Unshielded, 1.8 m |
| 2. | Laptop | Lenovo | TP00050C | FCC DoC | N/A | AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m |

2.5 EUT Operation Test Setup

The RF test items, utility “Putty release 0.62” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

3 Test Result

3.1 Fundamental Maximum EIRP Measurement

3.1.1 Limit of Fundamental Maximum EIRP

<FCC 14-30 CFR 15.407>

(a)(4) For a standard power access point and fixed client device operating in the 5.925–6.425 GHz and 6.525–6.875 GHz bands, the maximum power spectral density must not exceed 23 dBm e.i.r.p in any 1-megahertz band. In addition, the maximum e.i.r.p. over the frequency band of operation must not exceed 36 dBm.

For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

3.1.2 Measuring Instruments

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

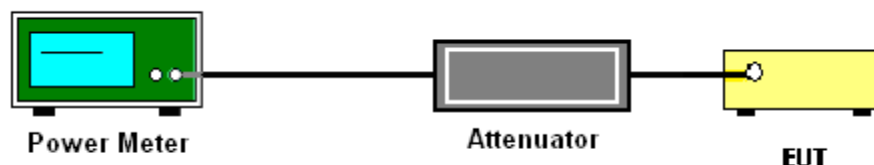
3.1.3 Test Procedures

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.

3.1.4 Test Setup



3.1.5 Test Result of Fundamental Maximum EIRP

Please refer to Appendix A.

3.2 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.2.1 Limit of Unwanted Emissions

- (1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

| EIRP (dBm) | Field Strength at 3m (dBμV/m) |
|------------|-------------------------------|
| - 27 (RMS) | 68.3 |
| - 7 (Peak) | 88.3 |

According 987594 D02 U-NII 6GHz EMC Measurement v01 section G:

Unwanted emissions outside of restricted bands are measured with a RMS detector.

In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

- (2) Unwanted spurious emissions fallen 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.

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

3.2.2 Measuring Instruments

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

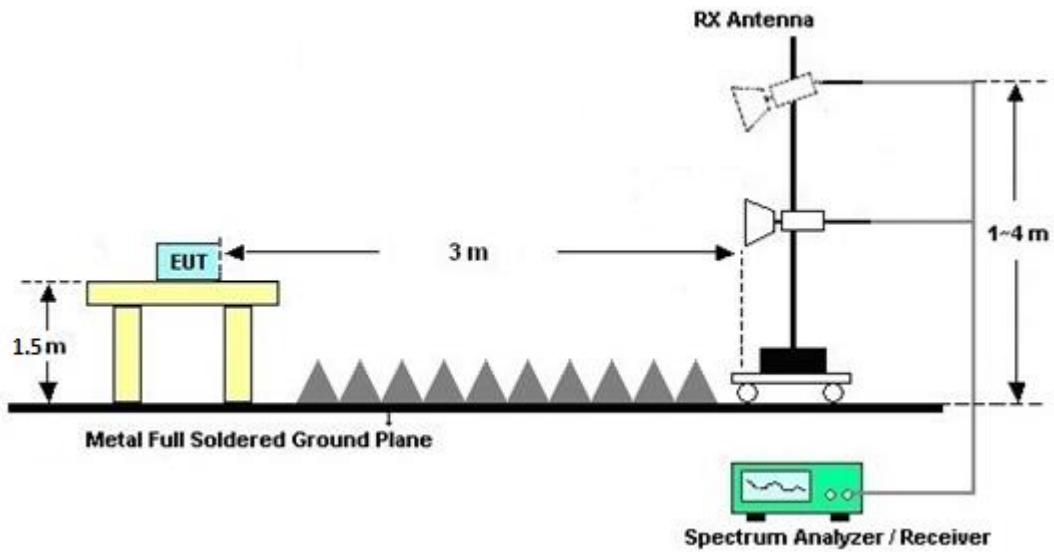


3.2.3 Test Procedures

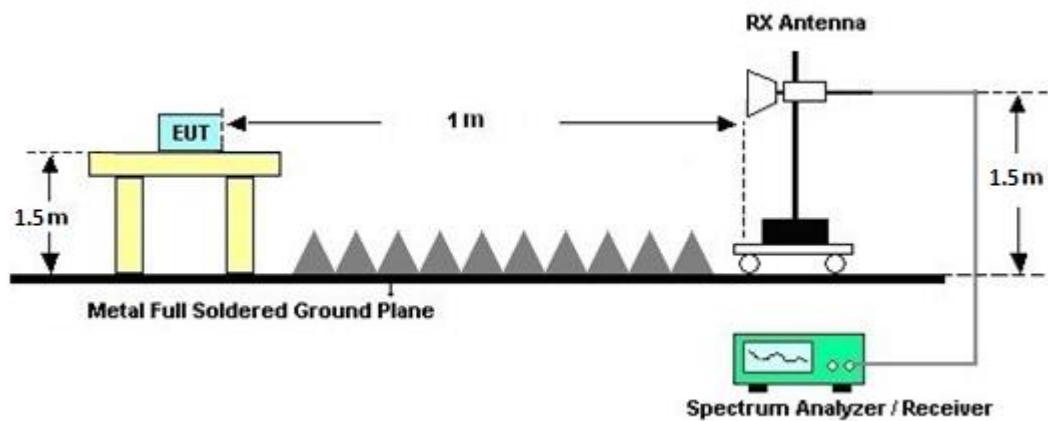
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW \geq 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW \geq 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 “-“.

3.2.4 Test Setup

For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.2.5 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.2.6 Duty Cycle

Please refer to Appendix D.

3.2.7 Test Result of Radiated Spurious Emissions

Please refer to Appendix B and C.



3.3 Antenna Requirements

3.3.1 Standard Applicable

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 rule.

3.3.2 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 |
|-------------------|-----------------|----------------------------|---|------------------------|------------------|-----------------------------|---------------|-----------------------|
| Horn Antenna | SCHWARZBECK | BBHA 9120D | 02140 | 1GHz~18GHz | Jan. 09, 2023 | Oct. 26, 2023~Nov. 08, 2023 | Jan. 08, 2024 | Radiation (03CH02-CA) |
| Horn Antenna | SCHWARZBECK | BBHA9170 | 00841 | 18GHz~40GHz | Aug. 22, 2023 | Oct. 26, 2023~Nov. 08, 2023 | Aug. 21, 2024 | Radiation (03CH02-CA) |
| Preamplifier | Keysight | 83017A | MY53270323 | 1GHz~26.5GHz | May 04, 2023 | Oct. 26, 2023~Nov. 08, 2023 | May 03, 2024 | Radiation (03CH02-CA) |
| Preamplifier | E-instrument | ERA-100M-18G-56-01-A70 | EC1900252 | 1GHz~18GHz | May 23, 2023 | Oct. 26, 2023~Nov. 08, 2023 | May 22, 2024 | Radiation (03CH02-CA) |
| Preamplifier | EMEC | EMC18G40G | 060725 | 18GHz~40GHz | May 04, 2023 | Oct. 26, 2023~Nov. 08, 2023 | May 03, 2024 | Radiation (03CH02-CA) |
| RF Cable | HUBER+SUHNER | SUCOFLEX 102 | 804209/2, 802406/2, 802875/2, 802952/2 | N/A | Nov. 14, 2022 | Oct. 26, 2023~Nov. 08, 2023 | Nov. 13, 2023 | Radiation (03CH02-CA) |
| High Pass Filter | WOKEN | WFIL-H8000-25000F-01 | WR32BNW2B1 | 8G~25G | Jun. 05, 2023 | Oct. 26, 2023~Nov. 08, 2023 | Jun. 04, 2024 | Radiation (03CH02-CA) |
| Filter | Wainwright | WLK12-1200-1272-11000-40SS | SN2 | 1.2GHz Low Pass Filter | Jun. 05, 2023 | Oct. 26, 2023~Nov. 08, 2023 | Jun. 04, 2024 | Radiation (03CH02-CA) |
| Hygrometer | TESEO | 608-H1 | 45142602 | N/A | Aug.30, 2023 | Oct. 26, 2023~Nov. 08, 2023 | Aug. 29, 2024 | Radiation (03CH02-CA) |
| Controller | ChainTek | EM-1000 | 060876 | NA | N/A | Oct. 26, 2023~Nov. 08, 2023 | N/A | Radiation (03CH02-CA) |
| Antenna Mast | ChainTek | MBS-520-1 | N/A | 1m~4m | N/A | Oct. 26, 2023~Nov. 08, 2023 | N/A | Radiation (03CH02-CA) |
| Turn Table | ChainTek | T-200-S-1 | N/A | 0~360 Degree | N/A | Oct. 26, 2023~Nov. 08, 2023 | N/A | Radiation (03CH02-CA) |
| Software | Audix | E3 | N/A | N/A | N/A | Oct. 26, 2023~Nov. 08, 2023 | N/A | Radiation (03CH02-CA) |
| Hygrometer | Testo | 608-H1 | 45142602 | N/A | Aug. 30, 2023 | Nov. 01, 2023~Nov. 07, 2023 | Aug. 29, 2024 | Conducted (TH01-CA) |
| Spectrum Analyzer | Rohde & Schwarz | FSV40 | 101089 | 10Hz-40GHz | May 22, 2023 | Nov. 01, 2023~Nov. 07, 2023 | May 21, 2024 | Conducted (TH01-CA) |
| RF Switch Box | EM Electronics | EMSW18 | SW1070902 | N/A | Aug. 25, 2023 | Nov. 01, 2023~Nov. 07, 2023 | Aug. 24, 2024 | Conducted (TH01-CA) |



5 Measurement Uncertainty

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

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

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

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 4.9 dB |
|---|--------|

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

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 5.2 dB |
|---|--------|

Appendix A. Test Result of Conducted Test Items

| | | | | |
|----------------|-----------------------|--------------------|-----------|----|
| Test Engineer: | Venkata Kondepudi | Temperature: | 20.1-23.8 | °C |
| Test Date: | 2023/11/01-2023/11/07 | Relative Humidity: | 40.2-47.1 | % |

EIRP

G1x2
UNII-5

| BW | Mode | Carrier | Frequency (MHz) | Ant # | Power setting Atten | Power setting ADAK | Condcuted Power (dBm) | MIMO factor (dB) | Directional Gain (dBi) | Total Conducted power (dBm) | Total EIRP (dBm) | EIRP Limit (dBm) | | |
|-----------------------------------|---|---------|-----------------|---------------|---------------------|--------------------|-----------------------|------------------|------------------------|-----------------------------|------------------|------------------|-------|----|
| 40+40+40+40 Contiguous Mode | Mode 1 | C0 | 5965 | Ant 0 of 0-7 | 18 | 0.5 | 6.94 | 9.03 | 16.90 | 18.99 | 35.89 | 36 | | |
| | | C2 | 6005 | Ant 0 of 0-7 | | 0.9 | | | 16.90 | | | 36 | | |
| | | C1 | 6045 | Ant 8 of 8-15 | | 0.9 | | | 16.90 | | | 36 | | |
| | Mode 2 | C3 | 6085 | Ant 8 of 8-15 | 21 | 1.3 | 6.95 | 9.03 | 16.90 | 18.98 | 35.88 | 36 | | |
| | | C0 | 6125 | Ant 0 of 0-7 | | -3 | | | 16.90 | | | 36 | | |
| | | C2 | 6165 | Ant 0 of 0-7 | | -3 | | | 16.90 | | | 36 | | |
| | | C1 | 6205 | Ant 8 of 8-15 | | -2.7 | | | 16.90 | | | 36 | | |
| | | C3 | 6245 | Ant 8 of 8-15 | | -2.4 | | | 6.93 | | | 9.03 | 16.90 | 36 |
| | | C0 | 6285 | Ant 0 of 0-7 | | -1.8 | | | 6.94 | | | 9.03 | 16.90 | 36 |
| | Mode 3 | C2 | 6325 | Ant 0 of 0-7 | 21 | -1.8 | 6.94 | 9.03 | 16.90 | 18.99 | 35.89 | 36 | | |
| | | C1 | 6365 | Ant 8 of 8-15 | | 0.5 | | | 16.90 | | | 36 | | |
| | | C3 | 6405 | Ant 8 of 8-15 | | 0.3 | | | 6.95 | | | 9.03 | 16.90 | 36 |
| | 40 + 40 + 40 + 40 Non- Contiguous | Mode 4 | C0 | 5965 | Ant 0 of 0-7 | 24 | -0.4 | 3.93 | 9.03 | 16.90 | 18.99 | 35.89 | 36 | |
| | | | C2 | 6085 | Ant 0 of 0-7 | 24 | 0.8 | 3.94 | 9.03 | 16.90 | | | 36 | |
| | | | C1 | 6205 | Ant 8 of 8-15 | 24 | 0.5 | 3.94 | 9.03 | 16.90 | | | 36 | |
| C3 | | | 6405 | Ant 8 of 8-15 | 24 | 3.3 | 3.95 | 9.03 | 16.90 | 36 | | | | |

Note:
Antenna Gain = 16.9dBi
The device is driving cross-polarized antenna, which has 8 horizontal polarization antenna and 8 vertical polarization antenna
Directional Gain (8H/8V) = 16.9dBi + 10log(Ntx = 8 / Nss = 8) = 16.9dBi

UNII-7

| BW | Mode | Carrier | Frequency (MHz) | Ant # | Power setting Atten | Power setting ADAK | Condcuted Power (dBm) | MIMO factor (dB) | Directional Gain (dBi) | Total Conducted power (dBm) | Total EIRP (dBm) | EIRP Limit (dBm) | | |
|-----------------------------------|---|---------|-----------------|---------------|---------------------|--------------------|-----------------------|------------------|------------------------|-----------------------------|------------------|------------------|-------|----|
| 40+40+40+40 Contiguous Mode | Mode 1 | C0 | 6545 | Ant 0 of 0-7 | 21 | -0.2 | 6.54 | 9.03 | 17.30 | 18.58 | 35.88 | 36 | | |
| | | C2 | 6585 | Ant 0 of 0-7 | | 0.7 | | | 17.30 | | | 36 | | |
| | | C1 | 6625 | Ant 8 of 8-15 | | 2.1 | | | 17.30 | | | 36 | | |
| | Mode 2 | C3 | 6665 | Ant 8 of 8-15 | 21 | 2.1 | 6.54 | 9.03 | 17.30 | 18.58 | 35.88 | 36 | | |
| | | C0 | 6645 | Ant 0 of 0-7 | | 1.8 | | | 17.30 | | | 36 | | |
| | | C2 | 6685 | Ant 0 of 0-7 | | 1.7 | | | 17.30 | | | 36 | | |
| | | C1 | 6725 | Ant 8 of 8-15 | | 3.4 | | | 6.54 | | | 9.03 | 17.30 | 36 |
| | | C3 | 6765 | Ant 8 of 8-15 | | 3.6 | | | 17.30 | | | 36 | | |
| | | C0 | 6735 | Ant 0 of 0-7 | | 3 | | | 6.54 | | | 9.03 | 17.30 | 36 |
| | Mode 3 | C2 | 6775 | Ant 0 of 0-7 | 21 | 3 | 6.54 | 9.03 | 17.30 | 18.58 | 35.88 | 36 | | |
| | | C1 | 6815 | Ant 8 of 8-15 | | 2.3 | | | 17.30 | | | 36 | | |
| | | C3 | 6855 | Ant 8 of 8-15 | | 2.2 | | | 17.30 | | | 36 | | |
| | 40 + 40 + 40 + 40 Non- Contiguous | Mode 4 | C0 | 6545 | Ant 0 of 0-7 | 21 | 0 | 3.54 | 9.03 | 17.30 | 18.59 | 35.89 | 36 | |
| | | | C2 | 6645 | Ant 0 of 0-7 | 21 | 1.5 | 3.54 | 9.03 | 17.30 | | | 36 | |
| | | | C1 | 6745 | Ant 8 of 8-15 | 21 | 2.1 | 3.54 | 9.03 | 17.30 | | | 36 | |
| C3 | | | 6855 | Ant 8 of 8-15 | 21 | 2.4 | 3.54 | 9.03 | 17.30 | 36 | | | | |

Note:
Antenna Gain = 17.3dBi
The device is driving cross-polarized antenna, which has 8 horizontal polarization antenna and 8 vertical polarization antenna
Directional Gain (8H/8V) = 17.3dBi + 10log(Ntx = 8 / Nss = 8) = 17.3dBi



Appendix B. Radiated Spurious Emission

| | | | |
|-----------------|-------------|---------------------|-------------|
| Test Engineer : | Thinh Hoang | Temperature : | 21.9~24.2°C |
| | | Relative Humidity : | 39.2~50.6% |

UNII-5 - 5925~6425MHz

Multiple carrier_contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| Ant. | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. | |
|---|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|---|
| 16Tx | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) | |
| Multiple carrier_ contiguous 40M+40M+40M+40M 5965MHz+6005MHz +6045MHz+6085MHz | | 5923.34 | 75.82 | -12.38 | 88.2 | 58.14 | 34.25 | 13.17 | 29.74 | 200 | 189 | P | H | |
| | | 5924.865 | 66.87 | -1.33 | 68.2 | 49.19 | 34.25 | 13.17 | 29.74 | 200 | 189 | A | H | |
| | * | 5965 | 117.03 | | | 99.36 | 34.22 | 13.21 | 29.76 | 200 | 189 | P | H | |
| | * | 6005 | 119.66 | | | 101.99 | 34.21 | 13.26 | 29.8 | 200 | 189 | P | H | |
| | * | 6045 | 121.97 | | | 104.3 | 34.21 | 13.31 | 29.85 | 200 | 189 | P | H | |
| | * | 6085 | 119.61 | | | 101.92 | 34.23 | 13.36 | 29.9 | 200 | 189 | P | H | |
| | * | 5965 | 107.47 | | | 89.8 | 34.22 | 13.21 | 29.76 | 200 | 189 | A | H | |
| | * | 6005 | 111.47 | | | 93.8 | 34.21 | 13.26 | 29.8 | 200 | 189 | A | H | |
| | * | 6045 | 111.74 | | | 94.07 | 34.21 | 13.31 | 29.85 | 200 | 189 | A | H | |
| | * | 6085 | 109.62 | | | 91.93 | 34.23 | 13.36 | 29.9 | 200 | 189 | A | H | |
| | | | 7391 | 52.5 | -1.5 | 54 | 30.93 | 36.6 | 14.7 | 29.73 | 200 | 189 | A | H |
| | | | 5806.83 | 67.71 | -20.49 | 88.2 | 50.3 | 34.05 | 13.05 | 29.69 | 200 | 186 | P | V |
| | | | 5924.865 | 58.25 | -9.95 | 68.2 | 40.57 | 34.25 | 13.17 | 29.74 | 200 | 186 | A | V |
| | * | | 5965 | 109.47 | | | 91.8 | 34.22 | 13.21 | 29.76 | 200 | 186 | P | V |
| | * | | 6005 | 111.3 | | | 93.63 | 34.21 | 13.26 | 29.8 | 200 | 186 | P | V |
| | * | | 6065 | 117.13 | | | 99.46 | 34.22 | 13.33 | 29.88 | 200 | 186 | P | V |
| | * | | 6085 | 117.51 | | | 99.82 | 34.23 | 13.36 | 29.9 | 200 | 186 | P | V |
| | * | | 5965 | 102.85 | | | 85.18 | 34.22 | 13.21 | 29.76 | 200 | 186 | A | V |
| | * | | 6005 | 105.17 | | | 87.5 | 34.21 | 13.26 | 29.8 | 200 | 186 | A | V |
| | * | | 6045 | 107 | | | 89.33 | 34.21 | 13.31 | 29.85 | 200 | 186 | A | V |
| * | | 6085 | 107.33 | | | 89.64 | 34.23 | 13.36 | 29.9 | 200 | 186 | A | V | |
| | | 7370 | 52.56 | -1.44 | 54 | 30.96 | 36.69 | 14.67 | 29.76 | 200 | 186 | A | V | |



| Ant. | Note | Frequency (MHz) | Level (dBμV/m) | Margin (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|--|---|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|---|
| Multiple carrier_ contiguous 40M+40M+40M+40M 6125MHz+6165MHz +6205MHz+6245MHz | * | 6125 | 113.04 | | | 95.36 | 34.23 | 13.41 | 29.96 | 200 | 182 | P | H | |
| | * | 6165 | 112.82 | | | 95.16 | 34.23 | 13.46 | 30.03 | 200 | 182 | P | H | |
| | * | 6205 | 111.17 | | | 93.53 | 34.25 | 13.51 | 30.12 | 200 | 182 | P | H | |
| | * | 6245 | 115.04 | | | 97.37 | 34.32 | 13.56 | 30.21 | 200 | 182 | P | H | |
| | * | 6125 | 103.38 | | | 85.7 | 34.23 | 13.41 | 29.96 | 200 | 182 | A | H | |
| | * | 6165 | 110.4 | | | 92.74 | 34.23 | 13.46 | 30.03 | 200 | 182 | A | H | |
| | * | 6205 | 103.1 | | | 85.46 | 34.25 | 13.51 | 30.12 | 200 | 182 | A | H | |
| | * | 6245 | 105.17 | | | 87.5 | 34.32 | 13.56 | 30.21 | 200 | 182 | A | H | |
| | | | 7384 | 52.74 | -1.26 | 54 | 31.16 | 36.63 | 14.69 | 29.74 | 200 | 182 | A | H |
| | * | | 6125 | 111.07 | | | 93.39 | 34.23 | 13.41 | 29.96 | 200 | 168 | P | V |
| | * | | 6165 | 112.17 | | | 94.51 | 34.23 | 13.46 | 30.03 | 200 | 168 | P | V |
| | * | | 6205 | 109.82 | | | 92.18 | 34.25 | 13.51 | 30.12 | 200 | 168 | P | V |
| | * | | 6245 | 110.54 | | | 92.87 | 34.32 | 13.56 | 30.21 | 200 | 168 | P | V |
| | * | | 6125 | 101.46 | | | 83.78 | 34.23 | 13.41 | 29.96 | 200 | 168 | A | V |
| | * | | 6165 | 102.01 | | | 84.35 | 34.23 | 13.46 | 30.03 | 200 | 168 | A | V |
| | * | | 6205 | 105.4 | | | 87.76 | 34.25 | 13.51 | 30.12 | 200 | 168 | A | V |
| | * | | 6245 | 100.63 | | | 82.96 | 34.32 | 13.56 | 30.21 | 200 | 168 | A | V |
| | | | 7447 | 52.26 | -1.74 | 54 | 30.89 | 36.39 | 14.75 | 29.77 | 200 | 168 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



| Ant. 16Tx | Note | Frequency (MHz) | Level (dB μ V/m) | Margin (dB) | Limit Line (dB μ V/m) | Read Level (dB μ V) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|---|---|----------------------|---------------------------|------------------|-----------------------------------|---------------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|---|
| Multiple carrier_ contiguous 40M+40M+40M+40M 6285MHz+6325MHz +6365MHz+6405MHz | * | 6285 | 110.97 | | | 93.26 | 34.43 | 13.61 | 30.33 | 200 | 179 | P | H | |
| | * | 6325 | 112.74 | | | 94.98 | 34.53 | 13.66 | 30.43 | 200 | 179 | P | H | |
| | * | 6365 | 115.99 | | | 98.17 | 34.61 | 13.71 | 30.5 | 200 | 179 | P | H | |
| | * | 6405 | 116.67 | | | 98.77 | 34.7 | 13.75 | 30.55 | 200 | 179 | P | H | |
| | * | 6285 | 103.84 | | | 86.13 | 34.43 | 13.61 | 30.33 | 200 | 179 | A | H | |
| | * | 6325 | 109.63 | | | 91.87 | 34.53 | 13.66 | 30.43 | 200 | 179 | A | H | |
| | * | 6365 | 105.86 | | | 88.04 | 34.61 | 13.71 | 30.5 | 200 | 179 | A | H | |
| | * | 6405 | 106.7 | | | 88.8 | 34.7 | 13.75 | 30.55 | 200 | 179 | A | H | |
| | | | 7398 | 52.18 | -1.82 | 54 | 30.62 | 36.57 | 14.71 | 29.72 | 200 | 179 | A | H |
| | * | | 6285 | 111.6 | | | 93.89 | 34.43 | 13.61 | 30.33 | 200 | 183 | P | V |
| | * | | 6325 | 109.93 | | | 92.17 | 34.53 | 13.66 | 30.43 | 200 | 183 | P | V |
| | * | | 6365 | 108.34 | | | 90.52 | 34.61 | 13.71 | 30.5 | 200 | 183 | P | V |
| | * | | 6405 | 103.78 | | | 85.88 | 34.7 | 13.75 | 30.55 | 200 | 183 | P | V |
| | * | | 6285 | 105.4 | | | 87.69 | 34.43 | 13.61 | 30.33 | 200 | 183 | A | V |
| | * | | 6325 | 106.13 | | | 88.37 | 34.53 | 13.66 | 30.43 | 200 | 183 | A | V |
| | * | | 6365 | 106.53 | | | 88.71 | 34.61 | 13.71 | 30.5 | 200 | 183 | A | V |
| | * | | 6405 | 103.45 | | | 85.55 | 34.7 | 13.75 | 30.55 | 200 | 183 | A | V |
| | | | 7405 | 52.19 | -1.81 | 54 | 30.66 | 36.54 | 14.71 | 29.72 | 200 | 183 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



UNII-5 5925~6425MHz

Multiple carrier_contiguous 40M+40M+40M+40M (Harmonic @ 3m)

| Ant. 16Tx | Note | Frequency (MHz) | Level (dBμV/m) | Margin (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------|------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| | | 11930 | 47.32 | -26.68 | 74 | 56.22 | 38.77 | 18.78 | 66.65 | - | - | P | H |
| | | 12010 | 47.38 | -26.62 | 74 | 55.78 | 38.96 | 18.85 | 66.4 | - | - | P | H |
| | | 12090 | 49.83 | -24.17 | 74 | 57.88 | 39.19 | 18.92 | 66.35 | 100 | 22 | P | H |
| | | 12090 | 39.03 | -14.97 | 54 | 47.08 | 39.19 | 18.92 | 66.35 | 100 | 22 | A | H |
| | | 12170 | 47.38 | -26.62 | 74 | 55.27 | 39.27 | 18.98 | 66.33 | - | - | P | H |
| | | 17895 | 54.73 | -19.27 | 74 | 57.87 | 42.65 | 23.58 | 69.53 | 100 | 164 | P | H |
| | | 17895 | 44.21 | -9.79 | 54 | 47.35 | 42.65 | 23.58 | 69.53 | 100 | 164 | A | H |
| | | 18015 | 35.41 | -38.59 | 74 | 37.29 | 37.72 | 23.68 | 53.74 | - | - | P | H |
| | | 18135 | 34.12 | -39.88 | 74 | 36.85 | 37.85 | 23.74 | 54.78 | - | - | P | H |
| | | 18255 | 34.69 | -39.31 | 74 | 37.56 | 37.92 | 23.79 | 55.04 | - | - | P | H |
| | | 11930 | 47.45 | -26.55 | 74 | 56.35 | 38.77 | 18.78 | 66.65 | - | - | P | V |
| | | 12010 | 47.88 | -26.12 | 74 | 56.28 | 38.96 | 18.85 | 66.4 | - | - | P | V |
| | | 12090 | 49.51 | -24.49 | 74 | 57.56 | 39.19 | 18.92 | 66.35 | 267 | 0 | P | V |
| | | 12090 | 38.87 | -15.13 | 54 | 46.92 | 39.19 | 18.92 | 66.35 | 267 | 0 | A | V |
| | | 12170 | 47.19 | -26.81 | 74 | 55.08 | 39.27 | 18.98 | 66.33 | - | - | P | V |
| | | 17895 | 55.89 | -18.11 | 74 | 59.03 | 42.65 | 23.58 | 69.53 | 300 | 0 | P | V |
| | | 17895 | 44.11 | -9.89 | 54 | 47.25 | 42.65 | 23.58 | 69.53 | 300 | 0 | A | V |
| | | 18015 | 35.67 | -38.33 | 74 | 37.4 | 37.87 | 23.68 | 53.74 | - | - | P | V |
| | | 18135 | 35.01 | -38.99 | 74 | 37.63 | 37.96 | 23.74 | 54.78 | - | - | P | V |
| | | 18255 | 33.93 | -40.07 | 74 | 36.7 | 38.02 | 23.79 | 55.04 | - | - | P | V |



| Ant. | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|---|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|------------|-------|
| 16Tx | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | Avg. (P/A) | (H/V) |
| Multiple carrier_ contiguous 40M+40M+40M+40M 6125MHz+6165MHz +6205MHz+6245MHz | | 12250 | 47.3 | -26.7 | 74 | 55.28 | 39.22 | 19.05 | 66.44 | - | - | P | H |
| | | 12330 | 47.23 | -26.77 | 74 | 55.49 | 39.05 | 19.12 | 66.63 | - | - | P | H |
| | | 12410 | 47.66 | -26.34 | 74 | 56.05 | 38.95 | 19.18 | 66.72 | - | - | P | H |
| | | 12490 | 48.91 | -25.09 | 74 | 57.06 | 38.96 | 19.25 | 66.56 | 200 | 267 | P | H |
| | | 12490 | 38.82 | -15.18 | 54 | 46.97 | 38.96 | 19.25 | 66.56 | 200 | 267 | A | H |
| | | 18375 | 34.29 | -39.71 | 74 | 36.55 | 37.96 | 23.85 | 54.53 | - | - | P | H |
| | | 18495 | 35.33 | -38.67 | 74 | 36.68 | 38.06 | 23.91 | 53.78 | - | - | P | H |
| | | 18615 | 36.2 | -37.8 | 74 | 36.93 | 38.08 | 23.97 | 53.24 | - | - | P | H |
| | | 18735 | 36.61 | -37.39 | 74 | 36.9 | 38.12 | 24.03 | 52.9 | - | - | P | H |
| | | 12250 | 47.52 | -26.48 | 74 | 55.5 | 39.22 | 19.05 | 66.44 | - | - | P | V |
| | | 12330 | 47.5 | -26.5 | 74 | 55.76 | 39.05 | 19.12 | 66.63 | | | P | V |
| | | 12410 | 46.93 | -27.07 | 74 | 55.32 | 38.95 | 19.18 | 66.72 | | | P | V |
| | | 12490 | 49.18 | -24.82 | 74 | 57.33 | 38.96 | 19.25 | 66.56 | 265 | 0 | P | V |
| | | 12490 | 38.94 | -15.06 | 54 | 47.09 | 38.96 | 19.25 | 66.56 | 265 | 0 | A | V |
| | | 18375 | 35.42 | -38.58 | 74 | 37.62 | 38.02 | 23.85 | 54.53 | | | P | V |
| | | 18495 | 35.65 | -38.35 | 74 | 36.88 | 38.18 | 23.91 | 53.78 | | | P | V |
| | | 18615 | 36.92 | -37.08 | 74 | 37.52 | 38.21 | 23.97 | 53.24 | | | P | V |
| | | 18735 | 37.93 | -36.07 | 74 | 38.17 | 38.17 | 24.03 | 52.9 | | | P | V |
| <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. | | | | | | | | | | | | | |



| Ant. | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|---|---|-----------|------------|--------|------------|----------|-----------------|-------------|---------------|------------|-------------|------------|-------|
| 16Tx | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | Factor (dB/m) | Loss (dB) | Factor (dB) | Pos (cm) | Pos (deg) | Avg. (P/A) | (H/V) |
| Multiple carrier_ contiguous 40M+40M+40M+40M 6285MHz+6325MHz +6365MHz+6405MHz | | 12570 | 47.43 | -26.57 | 74 | 55.17 | 39.06 | 19.32 | 66.32 | - | - | P | H |
| | | 12650 | 50.38 | -23.62 | 74 | 57.86 | 39.18 | 19.39 | 66.25 | 210 | 0 | P | H |
| | | 12650 | 39.31 | -14.69 | 54 | 46.79 | 39.18 | 19.39 | 66.25 | 210 | 0 | A | H |
| | | 12730 | 47.78 | -40.42 | 88.2 | 55.29 | 39.31 | 19.45 | 66.47 | - | - | P | H |
| | | 12810 | 48.06 | -40.14 | 88.2 | 55.68 | 39.5 | 19.52 | 66.85 | - | - | P | H |
| | | 18855 | 37.1 | -36.9 | 74 | 37.29 | 38.15 | 24.09 | 52.89 | - | - | P | H |
| | | 18975 | 36.9 | -37.1 | 74 | 37.54 | 38.09 | 24.15 | 53.34 | - | - | P | H |
| | | 19095 | 36.19 | -37.81 | 74 | 37.47 | 38.04 | 24.21 | 53.99 | - | - | P | H |
| | | 19215 | 36.65 | -37.35 | 74 | 37.94 | 38.02 | 24.27 | 54.04 | - | - | P | H |
| | | 12570 | 47.82 | -26.18 | 74 | 55.56 | 39.06 | 19.32 | 66.32 | - | - | P | V |
| | | 12650 | 49.72 | -24.28 | 74 | 57.2 | 39.18 | 19.39 | 66.25 | 131 | 0 | P | V |
| | | 12650 | 39.3 | -14.7 | 54 | 46.78 | 39.18 | 19.39 | 66.25 | 131 | 0 | A | V |
| | | 12730 | 48.53 | -39.67 | 88.2 | 56.04 | 39.31 | 19.45 | 66.47 | - | - | P | V |
| | | 12810 | 48.26 | -39.94 | 88.2 | 55.88 | 39.5 | 19.52 | 66.85 | - | - | P | V |
| | | 18855 | 37.33 | -36.67 | 74 | 37.46 | 38.21 | 24.09 | 52.89 | - | - | P | V |
| | | 18975 | 35.92 | -38.08 | 74 | 36.5 | 38.15 | 24.15 | 53.34 | - | - | P | V |
| | | 19095 | 35.95 | -38.05 | 74 | 37.09 | 38.18 | 24.21 | 53.99 | - | - | P | V |
| | | 19215 | 36.06 | -37.94 | 74 | 37.3 | 38.07 | 24.27 | 54.04 | - | - | P | V |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. | | | | | | | | | | | | |



UNII 5 5925~6425MHz

Multiple carrier_non-contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| Ant. | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. | |
|--|---|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|---|
| 16Tx | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) | |
| Multiple carrier_ non-contiguous 40M+40M+40M+40M 5965MHz+6085MHz 6205MHz+6405MHz | | 5872.32 | 69.39 | -18.81 | 88.2 | 51.73 | 34.24 | 13.12 | 29.7 | 200 | 181 | P | H | |
| | | 5845.26 | 58.73 | -9.47 | 68.2 | 41.13 | 34.2 | 13.09 | 29.69 | 200 | 181 | A | H | |
| | * | 5965 | 108.16 | | | 90.49 | 34.22 | 13.21 | 29.76 | 200 | 181 | P | H | |
| | * | 6085 | 115.75 | | | 98.06 | 34.23 | 13.36 | 29.9 | 200 | 181 | P | H | |
| | * | 6205 | 118.07 | | | 100.43 | 34.25 | 13.51 | 30.12 | 200 | 181 | P | H | |
| | * | 6405 | 113.2 | | | 95.3 | 34.7 | 13.75 | 30.55 | 200 | 181 | P | H | |
| | * | 5965 | 103.74 | | | 86.07 | 34.22 | 13.21 | 29.76 | 200 | 181 | A | H | |
| | * | 6085 | 110.3 | | | 92.61 | 34.23 | 13.36 | 29.9 | 200 | 181 | A | H | |
| | * | 6205 | 108.71 | | | 91.07 | 34.25 | 13.51 | 30.12 | 200 | 181 | A | H | |
| | * | 6405 | 103.86 | | | 85.96 | 34.7 | 13.75 | 30.55 | 200 | 181 | A | H | |
| | | | 7419 | 52.92 | -1.08 | 54 | 31.44 | 36.49 | 14.73 | 29.74 | 200 | 181 | A | H |
| | | | 5805 | 64.6 | -23.6 | 88.2 | 47.2 | 34.04 | 13.05 | 29.69 | 200 | 155 | P | V |
| | | | 5805 | 58.48 | -9.72 | 68.2 | 41.08 | 34.04 | 13.05 | 29.69 | 200 | 155 | A | V |
| | * | | 5965 | 102.21 | | | 84.54 | 34.22 | 13.21 | 29.76 | 200 | 155 | P | V |
| | * | | 6085 | 113.2 | | | 95.51 | 34.23 | 13.36 | 29.9 | 200 | 155 | P | V |
| | * | | 6205 | 114.73 | | | 97.09 | 34.25 | 13.51 | 30.12 | 200 | 155 | P | V |
| | * | | 6405 | 108.55 | | | 90.65 | 34.7 | 13.75 | 30.55 | 200 | 155 | P | V |
| | * | | 5965 | 94 | | | 76.33 | 34.22 | 13.21 | 29.76 | 200 | 155 | A | V |
| | * | | 6085 | 104.31 | | | 86.62 | 34.23 | 13.36 | 29.9 | 200 | 155 | A | V |
| | * | | 6205 | 106.47 | | | 88.83 | 34.25 | 13.51 | 30.12 | 200 | 155 | A | V |
| * | | 6405 | 98.65 | | | 80.75 | 34.7 | 13.75 | 30.55 | 200 | 155 | A | V | |
| | | 7748 | 52.75 | -1.25 | 54 | 31.13 | 36.68 | 15.02 | 30.08 | 200 | 155 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



UNII-5 5925~6425MHz

Multiple carrier_non-contiguous 40M+40M+40M+40M (Harmonic @ 3m)

| Ant. 16Tx | Note | Frequency (MHz) | Level (dBµV/m) | Margin (dB) | Limit Line (dBµV/m) | Read Level (dBµV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--|---|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple carrier_ non- contiguous 40M+40M+40M+40M 5965MHz+6085 MHz +6205 MHz+6405MHz | | 11930 | 45.96 | -28.04 | 74 | 54.86 | 38.77 | 18.78 | 66.65 | - | - | P | H |
| | | 12170 | 48.52 | -25.48 | 74 | 56.41 | 39.27 | 18.98 | 66.33 | - | - | P | H |
| | | 12410 | 49.22 | -24.78 | 74 | 57.61 | 38.95 | 19.18 | 66.72 | 100 | 286 | P | H |
| | | 12410 | 38.43 | -15.57 | 54 | 46.82 | 38.95 | 19.18 | 66.72 | 100 | 286 | A | H |
| | | 12810 | 47.66 | -40.54 | 88.2 | 55.28 | 39.5 | 19.52 | 66.85 | - | - | P | H |
| | | 17895 | 54.25 | -19.75 | 74 | 57.39 | 42.65 | 23.58 | 69.53 | 280 | 0 | P | H |
| | | 17895 | 44.02 | -9.98 | 54 | 47.16 | 42.65 | 23.58 | 69.53 | 280 | 0 | A | H |
| | | 18255 | 33.95 | -40.05 | 74 | 36.82 | 37.92 | 23.79 | 55.04 | - | - | P | H |
| | | 18615 | 35.91 | -38.09 | 74 | 36.64 | 38.08 | 23.97 | 53.24 | - | - | P | H |
| | | 19215 | 35.97 | -38.03 | 74 | 37.26 | 38.02 | 24.27 | 54.04 | - | - | P | H |
| | | 11930 | 47.31 | -26.69 | 74 | 56.21 | 38.77 | 18.78 | 66.65 | - | - | P | V |
| | | 12170 | 47.17 | -26.83 | 74 | 55.06 | 39.27 | 18.98 | 66.33 | - | - | P | V |
| | | 12410 | 48.84 | -25.16 | 74 | 57.23 | 38.95 | 19.18 | 66.72 | 200 | 104 | P | V |
| | | 12410 | 38.43 | -15.57 | 54 | 46.82 | 38.95 | 19.18 | 66.72 | 200 | 104 | A | V |
| | | 12810 | 48.86 | -39.34 | 88.2 | 56.48 | 39.5 | 19.52 | 66.85 | - | - | P | V |
| | | 17895 | 54.36 | -19.64 | 74 | 57.5 | 42.65 | 23.58 | 69.53 | 298 | 0 | P | V |
| | | 17895 | 44.03 | -9.97 | 54 | 47.17 | 42.65 | 23.58 | 69.53 | 298 | 0 | A | V |
| | | 18255 | 33.81 | -40.19 | 74 | 36.58 | 38.02 | 23.79 | 55.04 | - | - | P | V |
| | 18615 | 37.16 | -36.84 | 74 | 37.76 | 38.21 | 23.97 | 53.24 | - | - | P | V | |
| | 19215 | 35.24 | -38.76 | 74 | 36.48 | 38.07 | 24.27 | 54.04 | - | - | P | V | |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. | | | | | | | | | | | | |



UNII-7 - 6525~6875MHz

Multiple carrier_contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| Ant. | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. | |
|---|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|---|
| 16Tx | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) | |
| Multiple carrier_ contiguous 40M+40M+40M+40M 6545MHz+6585MHz +6625MHz+6665MHz | * | 6545 | 110.96 | | | 92.56 | 35.3 | 13.84 | 30.74 | 200 | 180 | P | H | |
| | * | 6585 | 110.34 | | | 91.64 | 35.62 | 13.87 | 30.79 | 200 | 180 | P | H | |
| | * | 6625 | 114.9 | | | 95.97 | 35.86 | 13.9 | 30.83 | 200 | 180 | P | H | |
| | * | 6665 | 115.77 | | | 96.71 | 35.99 | 13.94 | 30.87 | 200 | 180 | P | H | |
| | * | 6545 | 100.95 | | | 82.55 | 35.3 | 13.84 | 30.74 | 200 | 180 | A | H | |
| | * | 6585 | 107.72 | | | 89.02 | 35.62 | 13.87 | 30.79 | 200 | 180 | A | H | |
| | * | 6625 | 104.92 | | | 85.99 | 35.86 | 13.9 | 30.83 | 200 | 180 | A | H | |
| | * | 6665 | 105.74 | | | 86.68 | 35.99 | 13.94 | 30.87 | 200 | 180 | A | H | |
| | | | 7720 | 52.27 | -1.73 | 54 | 30.7 | 36.6 | 15 | 30.03 | 200 | 180 | A | H |
| | * | 6545 | 108.61 | | | 90.21 | 35.3 | 13.84 | 30.74 | 200 | 186 | P | V | |
| | * | 6585 | 107.56 | | | 88.86 | 35.62 | 13.87 | 30.79 | 200 | 186 | P | V | |
| | * | 6625 | 108.19 | | | 89.26 | 35.86 | 13.9 | 30.83 | 200 | 186 | P | V | |
| | * | 6665 | 103.16 | | | 84.1 | 35.99 | 13.94 | 30.87 | 200 | 186 | P | V | |
| | * | 6545 | 100.08 | | | 81.68 | 35.3 | 13.84 | 30.74 | 200 | 186 | A | V | |
| | * | 6585 | 102.66 | | | 83.96 | 35.62 | 13.87 | 30.79 | 200 | 186 | A | V | |
| | * | 6625 | 106.14 | | | 87.21 | 35.86 | 13.9 | 30.83 | 200 | 186 | A | V | |
| | * | 6665 | 101.77 | | | 82.71 | 35.99 | 13.94 | 30.87 | 200 | 186 | A | V | |
| | | | 7405 | 52.49 | -1.51 | 54 | 30.96 | 36.54 | 14.71 | 29.72 | 200 | 186 | A | V |



| Ant. | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. | |
|--|---|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|---|
| 16Tx | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) | |
| Multiple carrier_ contiguous 40M+40M+40M+40M 6645MHz+6685MHz +6725MHz+6765MHz | * | 6645 | 111.65 | | | 92.62 | 35.95 | 13.93 | 30.85 | 200 | 173 | P | H | |
| | * | 6685 | 108.89 | | | 89.79 | 36.01 | 13.97 | 30.88 | 200 | 173 | P | H | |
| | * | 6725 | 111.28 | | | 92.11 | 36.06 | 14.01 | 30.9 | 200 | 173 | P | H | |
| | * | 6765 | 118.8 | | | 99.59 | 36.08 | 14.05 | 30.92 | 200 | 173 | P | H | |
| | * | 6645 | 101.48 | | | 82.45 | 35.95 | 13.93 | 30.85 | 200 | 173 | A | H | |
| | * | 6685 | 103.83 | | | 84.73 | 36.01 | 13.97 | 30.88 | 200 | 173 | A | H | |
| | * | 6725 | 102.59 | | | 83.42 | 36.06 | 14.01 | 30.9 | 200 | 173 | A | H | |
| | * | 6765 | 108.76 | | | 89.55 | 36.08 | 14.05 | 30.92 | 200 | 173 | A | H | |
| | | | 7692 | 52.3 | -1.7 | 54 | 30.81 | 36.51 | 14.97 | 29.99 | 200 | 173 | A | H |
| | * | 6645 | 103.35 | | | 84.32 | 35.95 | 13.93 | 30.85 | 200 | 187 | P | V | |
| | * | 6685 | 114.49 | | | 95.39 | 36.01 | 13.97 | 30.88 | 200 | 187 | P | V | |
| | * | 6725 | 106.29 | | | 87.12 | 36.06 | 14.01 | 30.9 | 200 | 187 | P | V | |
| | * | 6765 | 110.07 | | | 90.86 | 36.08 | 14.05 | 30.92 | 200 | 187 | P | V | |
| | * | 6645 | 96.66 | | | 77.63 | 35.95 | 13.93 | 30.85 | 200 | 187 | A | V | |
| | * | 6685 | 104.56 | | | 85.46 | 36.01 | 13.97 | 30.88 | 200 | 187 | A | V | |
| | * | 6725 | 101.06 | | | 81.89 | 36.06 | 14.01 | 30.9 | 200 | 187 | A | V | |
| | * | 6765 | 100.55 | | | 81.34 | 36.08 | 14.05 | 30.92 | 200 | 187 | A | V | |
| | | | 7391 | 52.19 | -1.81 | 54 | 30.62 | 36.6 | 14.7 | 29.73 | 200 | 187 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



| Ant. 16Tx | Note | Frequency (MHz) | Level (dBµV/m) | Margin (dB) | Limit Line (dBµV/m) | Read Level (dBµV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|---|---|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|---|
| Multiple carrier_ contiguous 40M+40M+40M+40M 6735MHz+6775MHz +6815MHz+6855MHz | * | 6735 | 111.07 | | | 91.87 | 36.08 | 14.02 | 30.9 | 200 | 205 | P | H | |
| | * | 6775 | 102.02 | | | 82.84 | 36.06 | 14.06 | 30.94 | 200 | 205 | P | H | |
| | * | 6815 | 116.41 | | | 97.3 | 36 | 14.1 | 30.99 | 200 | 205 | P | H | |
| | * | 6855 | 104.52 | | | 85.49 | 35.93 | 14.14 | 31.04 | 200 | 205 | P | H | |
| | * | 6735 | 101.46 | | | 82.26 | 36.08 | 14.02 | 30.9 | 200 | 205 | A | H | |
| | * | 6775 | 92.43 | | | 73.25 | 36.06 | 14.06 | 30.94 | 200 | 205 | A | H | |
| | * | 6815 | 106.55 | | | 87.44 | 36 | 14.1 | 30.99 | 200 | 205 | A | H | |
| | * | 6855 | 98.06 | | | 79.03 | 35.93 | 14.14 | 31.04 | 200 | 205 | A | H | |
| | | | 7734 | 52.68 | -1.32 | 54 | 31.08 | 36.64 | 15.01 | 30.05 | 200 | 205 | A | H |
| | | | 7136.13 | 60.71 | -27.49 | 88.2 | 40.26 | 36.56 | 14.42 | 30.53 | 200 | 205 | P | H |
| | | | 7243.86 | 51.14 | -17.06 | 68.2 | 29.7 | 37.05 | 14.52 | 30.13 | 200 | 205 | A | H |
| | * | | 6735 | 112.02 | | | 92.82 | 36.08 | 14.02 | 30.9 | 200 | 177 | P | V |
| | * | | 6775 | 117.43 | | | 98.25 | 36.06 | 14.06 | 30.94 | 200 | 177 | P | V |
| | * | | 6815 | 112.17 | | | 93.06 | 36 | 14.1 | 30.99 | 200 | 177 | P | V |
| | * | | 6855 | 109 | | | 89.97 | 35.93 | 14.14 | 31.04 | 200 | 177 | P | V |
| | * | | 6735 | 102 | | | 82.8 | 36.08 | 14.02 | 30.9 | 200 | 177 | A | V |
| | * | | 6775 | 106.85 | | | 87.67 | 36.06 | 14.06 | 30.94 | 200 | 177 | A | V |
| | * | | 6815 | 103.16 | | | 84.05 | 36 | 14.1 | 30.99 | 200 | 177 | A | V |
| | * | | 6855 | 101.9 | | | 82.87 | 35.93 | 14.14 | 31.04 | 200 | 177 | A | V |
| | | | 7377 | 52.63 | -1.37 | 54 | 31.04 | 36.66 | 14.68 | 29.75 | 200 | 177 | A | V |
| | | 7185.15 | 60.87 | -27.33 | 88.2 | 39.94 | 36.82 | 14.46 | 30.35 | 200 | 177 | P | V | |
| | | 7242.72 | 51.12 | -17.08 | 68.2 | 29.69 | 37.04 | 14.52 | 30.13 | 200 | 177 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



UNII 7 - 6525~6875MHz

Multiple carrier_contiguous 40M+40M+40M+40M (Harmonic @ 3m)

| Ant. 16Tx | Note | Frequency (MHz) | Level (dBµV/m) | Margin (dB) | Limit Line (dBµV/m) | Read Level (dBµV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------|------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| | * | 6545 | 110.96 | | | 92.56 | 35.3 | 13.84 | 30.74 | 200 | 180 | P | H |
| | * | 6585 | 110.34 | | | 91.64 | 35.62 | 13.87 | 30.79 | 200 | 180 | P | H |
| | * | 6625 | 114.9 | | | 95.97 | 35.86 | 13.9 | 30.83 | 200 | 180 | P | H |
| | * | 6665 | 115.77 | | | 96.71 | 35.99 | 13.94 | 30.87 | 200 | 180 | P | H |
| | * | 6545 | 100.95 | | | 82.55 | 35.3 | 13.84 | 30.74 | 200 | 180 | A | H |
| | * | 6585 | 107.72 | | | 89.02 | 35.62 | 13.87 | 30.79 | 200 | 180 | A | H |
| | * | 6625 | 104.92 | | | 85.99 | 35.86 | 13.9 | 30.83 | 200 | 180 | A | H |
| | * | 6665 | 105.74 | | | 86.68 | 35.99 | 13.94 | 30.87 | 200 | 180 | A | H |
| | | 7720 | 52.27 | -1.73 | 54 | 30.7 | 36.6 | 15 | 30.03 | 200 | 180 | A | H |
| | * | 6545 | 108.61 | | | 90.21 | 35.3 | 13.84 | 30.74 | 200 | 186 | P | V |
| | * | 6585 | 107.56 | | | 88.86 | 35.62 | 13.87 | 30.79 | 200 | 186 | P | V |
| | * | 6625 | 108.19 | | | 89.26 | 35.86 | 13.9 | 30.83 | 200 | 186 | P | V |
| | * | 6665 | 103.16 | | | 84.1 | 35.99 | 13.94 | 30.87 | 200 | 186 | P | V |
| | * | 6545 | 100.08 | | | 81.68 | 35.3 | 13.84 | 30.74 | 200 | 186 | A | V |
| | * | 6585 | 102.66 | | | 83.96 | 35.62 | 13.87 | 30.79 | 200 | 186 | A | V |
| | * | 6625 | 106.14 | | | 87.21 | 35.86 | 13.9 | 30.83 | 200 | 186 | A | V |
| | * | 6665 | 101.77 | | | 82.71 | 35.99 | 13.94 | 30.87 | 200 | 186 | A | V |
| | | 7405 | 52.49 | -1.51 | 54 | 30.96 | 36.54 | 14.71 | 29.72 | 200 | 186 | A | V |



| Ant. | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|--|---|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| 16Tx | | (MHz) | (dBµV/m) | (dB) | (dBµV/m) | (dBµV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| Multiple carrier_ contiguous 40M+40M+40M+40M 6645MHz+6685MHz +6725MHz+6765MHz | | 13290 | 49.47 | -24.53 | 74 | 56.78 | 40.03 | 19.92 | 67.48 | - | - | P | H |
| | | 13370 | 51.45 | -22.55 | 74 | 58.13 | 40.21 | 19.99 | 67.1 | 250 | 124 | P | H |
| | | 13370 | 40.74 | -13.26 | 54 | 47.42 | 40.21 | 19.99 | 67.1 | 250 | 124 | A | H |
| | | 13450 | 51.07 | -37.13 | 88.2 | 56.85 | 40.55 | 20.06 | 66.61 | - | - | P | H |
| | | 13530 | 50.93 | -37.27 | 88.2 | 56.38 | 40.74 | 20.13 | 66.54 | - | - | P | H |
| | | 19938.42 | 38.85 | -35.15 | 74 | 37.32 | 37.99 | 24.62 | 51.54 | - | - | P | H |
| | | 20058.57 | 39.16 | -34.84 | 74 | 37.74 | 38.05 | 24.7 | 51.79 | - | - | P | V |
| | | 20178.72 | 39.12 | -34.88 | 74 | 37.8 | 38.1 | 24.82 | 52.06 | - | - | P | H |
| | | 20298.87 | 38.99 | -35.01 | 74 | 37.11 | 38.18 | 24.93 | 51.69 | - | - | P | H |
| | | 13290 | 49.26 | -24.74 | 74 | 56.57 | 40.03 | 19.92 | 67.48 | - | - | P | V |
| | | 13370 | 51.12 | -22.88 | 74 | 57.8 | 40.21 | 19.99 | 67.1 | 250 | 136 | P | V |
| | | 13370 | 40.69 | -13.31 | 54 | 47.37 | 40.21 | 19.99 | 67.1 | 250 | 136 | A | V |
| | | 13450 | 50.57 | -37.63 | 88.2 | 56.35 | 40.55 | 20.06 | 66.61 | - | - | P | V |
| | | 13530 | 50.37 | -37.83 | 88.2 | 55.82 | 40.74 | 20.13 | 66.54 | - | - | P | V |
| | | 19938.42 | 39.63 | -34.37 | 74 | 38 | 38.09 | 24.62 | 51.54 | - | - | P | V |
| | | 20058.57 | 38.85 | -35.15 | 74 | 37.35 | 38.13 | 24.7 | 51.79 | - | - | P | V |
| | | 20178.72 | 38.4 | -35.6 | 74 | 37.08 | 38.1 | 24.82 | 52.06 | - | - | P | V |
| | 20298.87 | 38.91 | -35.09 | 74 | 37.16 | 38.05 | 24.93 | 51.69 | - | - | P | V | |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. | | | | | | | | | | | | |



| Ant. 16Tx | Note | Frequency (MHz) | Level (dBµV/m) | Margin (dB) | Limit Line (dBµV/m) | Read Level (dBµV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple carrier_ contiguous 40M+40M+40M+40M 6735MHz+6775MHz +6815MHz+6855MHz | | 13470 | 49.77 | -38.43 | 88.2 | 55.45 | 40.6 | 20.07 | 66.57 | - | - | P | H |
| | | 13550 | 49.79 | -38.41 | 88.2 | 55.2 | 40.78 | 20.14 | 66.55 | - | - | P | H |
| | | 13630 | 48.73 | -39.47 | 88.2 | 54.71 | 40.73 | 20.21 | 67.14 | - | - | P | H |
| | | 13710 | 49.52 | -38.68 | 88.2 | 55.61 | 40.7 | 20.28 | 67.29 | - | - | P | H |
| | | 20205 | 38.2 | -35.8 | 74 | 36.92 | 38.1 | 24.84 | 52.12 | - | - | P | H |
| | | 20325 | 39.01 | -34.99 | 74 | 37.03 | 38.18 | 24.95 | 51.61 | - | - | P | H |
| | | 20445 | 39.59 | -34.41 | 74 | 36.79 | 38.21 | 25.06 | 50.93 | - | - | P | H |
| | | 20565 | 39.72 | -34.28 | 74 | 36.06 | 38.26 | 25.17 | 50.23 | - | - | P | H |
| | | 13470 | 49.87 | -38.33 | 88.2 | 55.55 | 40.6 | 20.07 | 66.57 | - | - | P | V |
| | | 13550 | 49.5 | -38.7 | 88.2 | 54.91 | 40.78 | 20.14 | 66.55 | - | - | P | V |
| | | 13630 | 49.3 | -38.9 | 88.2 | 55.28 | 40.73 | 20.21 | 67.14 | - | - | P | V |
| | | 13710 | 49.42 | -38.78 | 88.2 | 55.51 | 40.7 | 20.28 | 67.29 | - | - | P | V |
| | | 20205 | 38.4 | -35.6 | 74 | 37.14 | 38.08 | 24.84 | 52.12 | - | - | P | V |
| | | 20325 | 39.2 | -34.8 | 74 | 37.32 | 38.08 | 24.95 | 51.61 | - | - | P | V |
| | | 20445 | 40.15 | -33.85 | 74 | 37.39 | 38.17 | 25.06 | 50.93 | - | - | P | V |
| | 20565 | 39.71 | -34.29 | 74 | 36.12 | 38.19 | 25.17 | 50.23 | - | - | P | V | |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. | | | | | | | | | | | | |



UNII 7 - 6525~6875MHz

Multiple carrier_non-contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| Ant. 16Tx | Note | Frequency (MHz) | Level (dBμV/m) | Margin (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|--|---|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|---|
| Multiple carrier_non- contiguous 40M+40M+40M+40M 6545MHz+6645MHz +6745MHz+6855MHz | | 5879.37 | 65.26 | -22.94 | 88.2 | 47.6 | 34.25 | 13.12 | 29.71 | 200 | 180 | P | H | |
| | | 5828.31 | 56.07 | -12.13 | 68.2 | 38.56 | 34.13 | 13.07 | 29.69 | 200 | 180 | A | H | |
| | * | 6545 | 112.79 | | | 94.39 | 35.3 | 13.84 | 30.74 | 200 | 180 | P | H | |
| | * | 6645 | 109.52 | | | 90.49 | 35.95 | 13.93 | 30.85 | 200 | 180 | P | H | |
| | * | 6745 | 109.61 | | | 90.4 | 36.09 | 14.02 | 30.9 | 200 | 180 | P | H | |
| | * | 6855 | 114.87 | | | 95.83 | 35.95 | 14.13 | 31.04 | 200 | 180 | P | H | |
| | * | 6545 | 102.71 | | | 84.31 | 35.3 | 13.84 | 30.74 | 200 | 180 | A | H | |
| | * | 6645 | 107.36 | | | 88.33 | 35.95 | 13.93 | 30.85 | 200 | 180 | A | H | |
| | * | 6745 | 103.05 | | | 83.84 | 36.09 | 14.02 | 30.9 | 200 | 180 | A | H | |
| | * | 6855 | 104.87 | | | 85.84 | 35.93 | 14.14 | 31.04 | 200 | 180 | A | H | |
| | | | 7391 | 52.53 | -1.47 | 54 | 30.96 | 36.6 | 14.7 | 29.73 | 200 | 180 | A | H |
| | | | 7178.12 | 60.83 | -27.37 | 88.2 | 39.97 | 36.78 | 14.45 | 30.37 | 200 | 180 | P | H |
| | | | 7236.64 | 51.25 | -16.95 | 68.2 | 29.88 | 37.02 | 14.51 | 30.16 | 200 | 180 | A | H |
| | | | 5883.81 | 62.43 | -25.77 | 88.2 | 44.76 | 34.25 | 13.13 | 29.71 | 200 | 204 | P | V |
| | | | 5869.38 | 52.81 | -15.39 | 68.2 | 35.16 | 34.24 | 13.11 | 29.7 | 200 | 204 | A | V |
| | * | | 6545 | 104.61 | | | 86.21 | 35.3 | 13.84 | 30.74 | 200 | 204 | P | V |
| | * | | 6645 | 108.33 | | | 89.3 | 35.95 | 13.93 | 30.85 | 200 | 204 | P | V |
| | * | | 6745 | 112.14 | | | 92.93 | 36.09 | 14.02 | 30.9 | 200 | 204 | P | V |
| | * | | 6855 | 110.47 | | | 91.44 | 35.93 | 14.14 | 31.04 | 200 | 204 | P | V |
| | * | | 6545 | 94.17 | | | 75.77 | 35.3 | 13.84 | 30.74 | 200 | 204 | A | V |
| | * | | 6645 | 101.42 | | | 82.39 | 35.95 | 13.93 | 30.85 | 200 | 204 | A | V |
| | * | | 6745 | 102.47 | | | 83.26 | 36.09 | 14.02 | 30.9 | 200 | 204 | A | V |
| | * | | 6855 | 100.83 | | | 81.8 | 35.93 | 14.14 | 31.04 | 200 | 204 | A | V |
| | | | 7384 | 52.61 | -1.39 | 54 | 31.03 | 36.63 | 14.69 | 29.74 | 200 | 204 | A | V |
| | | 7176.6 | 60.58 | -27.62 | 88.2 | 39.74 | 36.77 | 14.45 | 30.38 | 200 | 204 | P | V | |
| | | 7244.24 | 51.23 | -16.97 | 68.2 | 29.79 | 37.05 | 14.52 | 30.13 | 200 | 204 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



UNII 7 - 6525~6875MHz

Multiple carrier_non-contiguous 40M+40M+40M+40M (Harmonic @ 3m)

| Ant. 16Tx | Note | Frequency (MHz) | Level (dBµV/m) | Margin (dB) | Limit Line (dBµV/m) | Read Level (dBµV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--|---|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple carrier_non- contiguous 40M+40M+40M+40M 6545MHz+6645MHz +6745MHz+6855MHz | | 13090 | 48.11 | -40.09 | 88.2 | 55.38 | 39.74 | 19.76 | 66.98 | - | - | P | H |
| | | 13290 | 50.79 | -23.21 | 74 | 58.1 | 40.03 | 19.92 | 67.48 | 100 | 208 | P | H |
| | | 13290 | 39.23 | -14.77 | 54 | 46.54 | 40.03 | 19.92 | 67.48 | 100 | 208 | A | H |
| | | 13490 | 49.7 | -38.5 | 88.2 | 55.28 | 40.65 | 20.09 | 66.54 | - | - | P | H |
| | | 13710 | 49.15 | -39.05 | 88.2 | 55.24 | 40.7 | 20.28 | 67.29 | - | - | P | H |
| | | 19635 | 38.69 | -35.31 | 74 | 37.51 | 37.97 | 24.47 | 51.72 | - | - | P | H |
| | | 19935 | 38.2 | -35.8 | 74 | 36.65 | 37.99 | 24.62 | 51.52 | - | - | P | H |
| | | 20235 | 39 | -35 | 74 | 37.52 | 38.13 | 24.87 | 51.98 | - | - | P | H |
| | | 20565 | 39.79 | -34.21 | 74 | 36.13 | 38.26 | 25.17 | 50.23 | - | - | P | H |
| | | 13090 | 49.56 | -38.64 | 88.2 | 56.83 | 39.74 | 19.76 | 66.98 | - | - | P | V |
| | | 13290 | 49.31 | -24.69 | 74 | 56.62 | 40.03 | 19.92 | 67.48 | 113 | 0 | P | V |
| | | 13290 | 39.22 | -14.78 | 54 | 46.53 | 40.03 | 19.92 | 67.48 | 113 | 0 | A | V |
| | | 13490 | 49.67 | -38.53 | 88.2 | 55.25 | 40.65 | 20.09 | 66.54 | - | - | P | V |
| | | 13710 | 49.39 | -38.81 | 88.2 | 55.48 | 40.7 | 20.28 | 67.29 | - | - | P | V |
| | | 19635 | 39.2 | -34.8 | 74 | 37.94 | 38.05 | 24.47 | 51.72 | - | - | P | V |
| | | 19935 | 37.94 | -36.06 | 74 | 36.29 | 38.09 | 24.62 | 51.52 | - | - | P | V |
| | | 20235 | 39.12 | -34.88 | 74 | 37.7 | 38.07 | 24.87 | 51.98 | - | - | P | V |
| | | 20565 | 40.36 | -33.64 | 74 | 36.77 | 38.19 | 25.17 | 50.23 | - | - | P | V |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. | | | | | | | | | | | | |



Note symbol

| | |
|-----|--|
| * | Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| ! | Test result is Margin line. |
| P/A | Peak or Average |
| H/V | Horizontal or Vertical |



A calculation example for radiated spurious emission is shown as below:

| Ant. | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| 16Tx | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11a | | 5925 | 55.45 | -32.75 | 88.2 | 54.51 | 32.22 | 4.58 | 35.86 | 103 | 308 | P | H |
| CH 01 | | | | | | | | | | | | | |
| 5955MHz | | 5925 | 43.54 | -24.66 | 68.2 | 42.6 | 32.22 | 4.58 | 35.86 | 103 | 308 | A | H |

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5925MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Margin(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -32.75(dB)

For Average Limit @ 5925MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -24.66(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix C. Radiated Spurious Emission Plots

| | | | |
|-----------------|-------------|---------------------|-------------|
| Test Engineer : | Thinh Hoang | Temperature : | 21.9~24.2°C |
| | | Relative Humidity : | 39.2~50.6% |

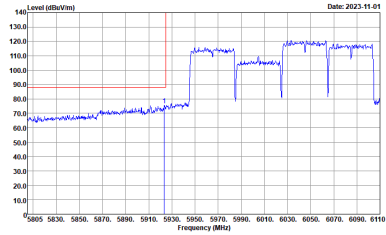
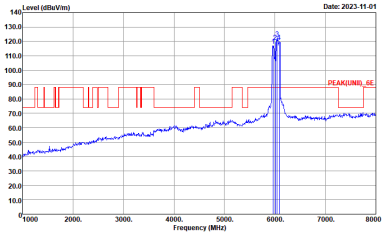
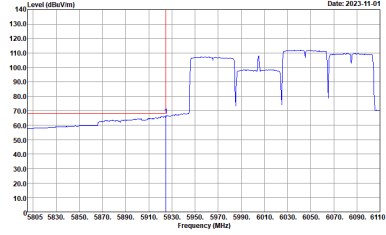
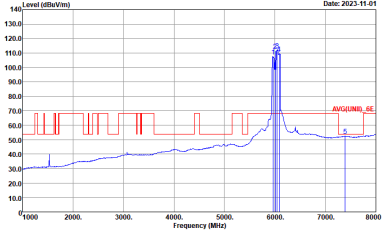
Note symbol

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

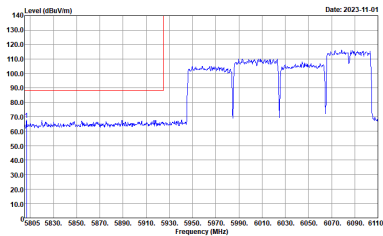
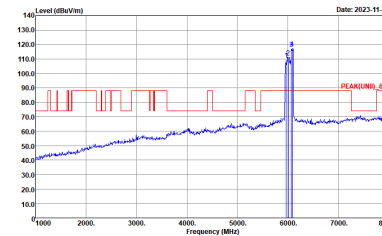
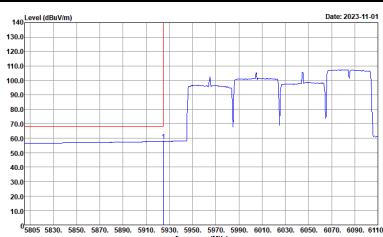
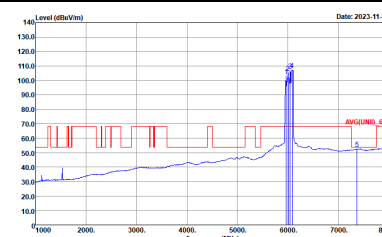


UNII-5 - 5925~6425MHz

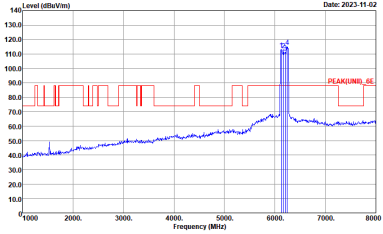
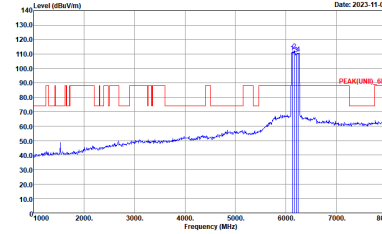
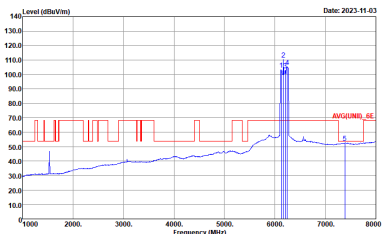
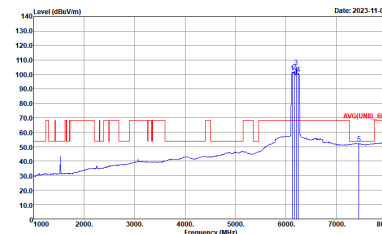
Multiple carrier_contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| UNII-5 5925~6425MHz Band Edge @ 3m | | |
|------------------------------------|---|---|
| ANT | Multiple carrier_contiguous 40M+40M+40M+40M 5965MHz+6005MHz+6045MHz+6085MHz | |
| 16Tx | Horizontal Fundamental | |
| Peak |  <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA Condition : PEAK(UNIT)_JE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |  <p>Site : 03CH02-CA Condition : AVG(UNIT)_JE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

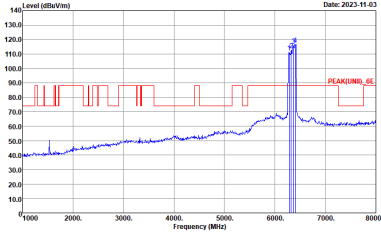
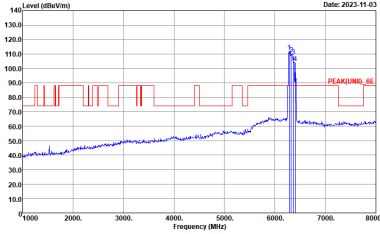
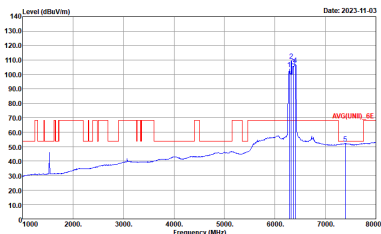
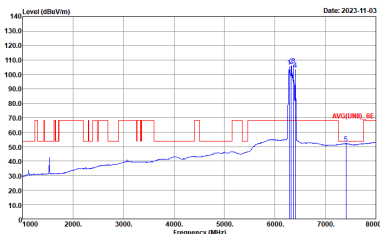


| | | UNII-5 5925~6425MHz Band Edge @ 3m | |
|------|---|---|-------------|
| ANT | | Multiple carrier_contiguous 40M+40M+40M+40M 5965MHz+6005MHz+6045MHz+6085MHz | |
| 16Tx | | Vertical | Fundamental |
| Peak |  <p>Site : 03CH02-CA Condition : FCAL_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA Condition : FCAL(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | |
| Avg. |  <p>Site : 03CH02-CA Condition : AV6_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |  <p>Site : 03CH02-CA Condition : AV6(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | |



| | | UNII-5 5925~6425MHz Fundamental @ 3m | |
|------|--|---|----------|
| ANT | | Multiple carrier_contiguous 40M+40M+40M+40M 6125MHz+6165MHz+6205MHz+6245MHz | |
| 16Tx | | Horizontal | Vertical |
| Peak |  <p>Level (dBm/100MHz) vs Frequency (MHz) - Horizontal Peak</p> <p>Site : 03CH02-CA Condition : PEARL(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Level (dBm/100MHz) vs Frequency (MHz) - Vertical Peak</p> <p>Site : 03CH02-CA Condition : PEARL(UNIT)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | |
| Avg. |  <p>Level (dBm/100MHz) vs Frequency (MHz) - Horizontal Avg</p> <p>Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |  <p>Level (dBm/100MHz) vs Frequency (MHz) - Vertical Avg</p> <p>Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | |

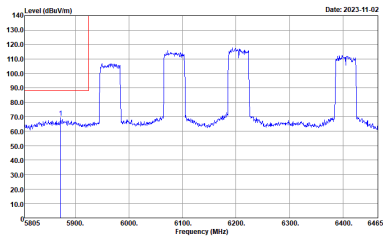
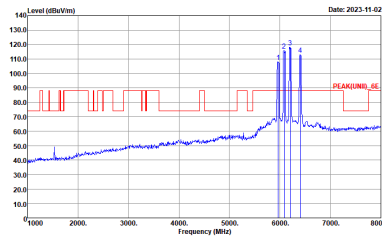
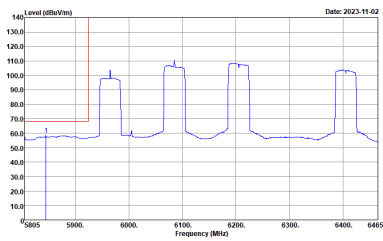
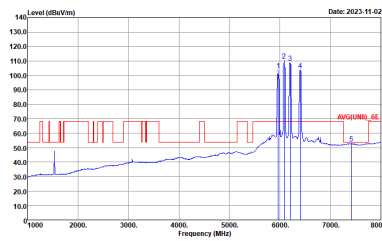


| | | UNII-5 5925~6425MHz Fundamental @ 3m | |
|------|--|---|----------|
| ANT | | Multiple carrier_contiguous 40M+40M+40M+40M 6285MHz+6325MHz+6365MHz+6405MHz | |
| 16Tx | | Horizontal | Vertical |
| Peak |  <p>Level (dBuV/m) vs Frequency (MHz) - Horizontal Peak</p> <p>Site : 03CH02-CA Condition : PEARL(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Level (dBuV/m) vs Frequency (MHz) - Vertical Peak</p> <p>Site : 03CH02-CA Condition : PEARL(UNIT)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | |
| Avg. |  <p>Level (dBuV/m) vs Frequency (MHz) - Horizontal Avg</p> <p>Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |  <p>Level (dBuV/m) vs Frequency (MHz) - Vertical Avg</p> <p>Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | |

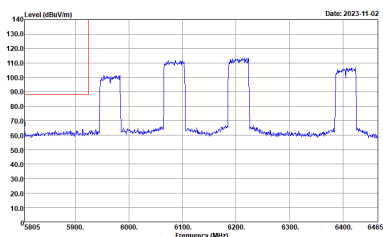
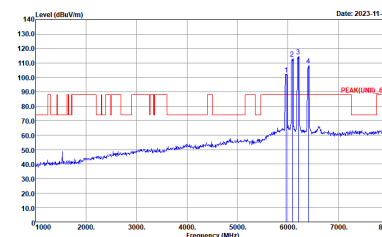
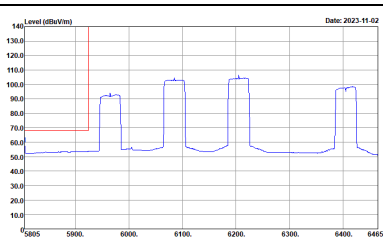
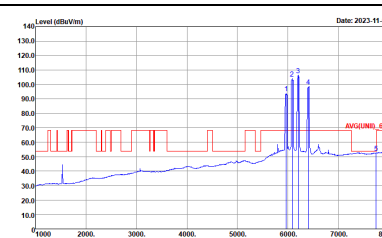


UNII-5 5925~6425MHz

Multiple carrier_non contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| | | UNII-5 5925~6425MHz Band Edge @ 3m | |
|------|---|---|--|
| ANT | Multiple carrier_non-contiguous 40M+40M+40M+40M 5965MHz+6085MHz+6205MHz+6405MHz | | |
| 16Tx | Horizontal | Fundamental | |
| Peak |  <p>Site : 03CH02-CA Condition : PEAK_BE(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | |
| Avg. |  <p>Site : 03CH02-CA Condition : AVG_BE(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |  <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | |



| | | UNII-5 5925~6425MHz Band Edge @ 3m | |
|-------------|--|--|--|
| ANT | | Multiple carrier_non contiguous 40M+40M+40M+40M | |
| | | 5965MHz +6085MHz +6205MHz +6405MHz | |
| 16Tx | | Vertical | Fundamental |
| Peak | |  <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Vertical. The plot shows four distinct peaks at approximately 5965, 6085, 6205, and 6405 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5805 to 6465 MHz. A red horizontal line indicates the peak level at approximately 100 dBuV/m.</p> <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a cluster of peaks between 6000 and 6400 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 8000 MHz. A red horizontal line indicates the peak level at approximately 100 dBuV/m.</p> <p>Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | |  <p>Level (dBuV/m) vs Frequency (MHz) plot for Avg Vertical. The plot shows four distinct peaks at approximately 5965, 6085, 6205, and 6405 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5805 to 6465 MHz. A red horizontal line indicates the average level at approximately 70 dBuV/m.</p> <p>Site : 03CH02-CA Condition : AV6_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |  <p>Level (dBuV/m) vs Frequency (MHz) plot for Avg Fundamental. The plot shows a cluster of peaks between 6000 and 6400 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 8000 MHz. A red horizontal line indicates the average level at approximately 70 dBuV/m.</p> <p>Site : 03CH02-CA Condition : AV6(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |



UNII-5 - 5925~6425MHz

Multiple carrier_contiguous 40M+40M+40M+40M (Harmonic @ 3m)

| | | |
|----------------------|---|---|
| | UNII-5 5925~6425MHz Harmonic @ 3m | |
| ANT | Multiple carrier_contiguous 40M+40M+40M+40M 5965MHz+6005MHz+6045MHz+6085MHz | |
| 16Tx | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH02-CA Condition : PEAk[UNII]_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : PEAk[UNII]_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



| | | UNII-5 5925~6425MHz Harmonic @ 3m | |
|--|--|--|-----------------|
| ANT | | Multiple carrier_contiguous 40M+40M+40M+40M 5965MHz+6005MHz+6045MHz+6085MHz | |
| 16Tx | | Horizontal | Vertical |
| 10.6G ~18G Avg. | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p> | |
| | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> | |
| 38.6G ~40G Avg. | | | |



| | | |
|----------------------|---|---|
| | UNII-5 5925~6425MHz Harmonic @ 3m | |
| ANT | Multiple carrier_contiguous 40M+40M+40M+40M 6125MHz+6165MHz+6205MHz+6245MHz | |
| 16Tx | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH02-CA Condition : PEAK[UNII]_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : PEAK[UNII]_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



| | | UNII-5 5925~6425MHz Harmonic @ 3m | |
|--------------------------------|--|--|--|
| ANT | | Multiple carrier_contiguous 40M+40M+40M+40M 6125MHz+6165MHz+6205MHz+6245MHz | |
| 16Tx | | Horizontal | Vertical |
| <p>10.6G ~18G Avg.</p> | <p>Date: 2023-11-03</p> <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p> | <p>Date: 2023-11-03</p> <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p> | |
| | <p>38.6G ~40G Avg.</p> | <p>Date: 2023-11-07</p> <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p>Date: 2023-11-07</p> <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



| | | |
|----------------------|---|---|
| | UNII-5 5925~6425MHz Harmonic @ 3m | |
| ANT | Multiple carrier_contiguous 40M+40M+40M+40M 6285MHz+6325MHz+6365MHz+6405MHz | |
| 16Tx | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH02-CA Condition : PEAK[UNII]_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : PEAK[UNII]_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



| | | UNII-5 5925~6425MHz Harmonic @ 3m | |
|--|---|---|-----------------|
| ANT | | Multiple carrier_contiguous 40M+40M+40M+40M 6285MHz+6325MHz+6365MHz+6405MHz | |
| 16Tx | | Horizontal | Vertical |
| 10.6G ~18G Avg. | <p style="font-size: small;">Date: 2023-11-03 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p> | <p style="font-size: small;">Date: 2023-11-03 Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p> | |
| | <p style="font-size: small;">Date: 2023-11-07 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p style="font-size: small;">Date: 2023-11-07 Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> | |
| 38.6G ~40G Avg. | | | |



UNII-5 5925~6425MHz

Multiple carrier_non contiguous 40M+40M+40M+40M (Harmonic @ 3m)

| UNII-5 5925~6425MHz Harmonic @ 3m | | |
|-----------------------------------|--|--|
| ANT | Multiple carrier_non-contiguous 40M+40M+40M+40M 5965MHz+6085MHz+6205MHz+6405MHz | |
| 16Tx | Horizontal Vertical | |
| Peak Avg. | <p>Site : 03CH02-CA Condition : PEAK(LINE1)_6E Im SHF_HORN_841_230R22 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : PEAK(LINE1)_6E Im SHF_HORN_841_230R22 VERTICAL</p> |

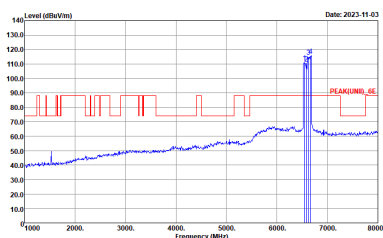
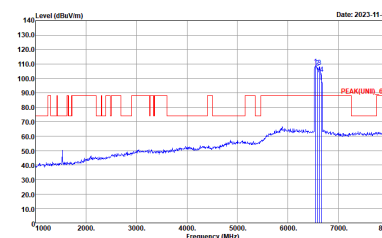
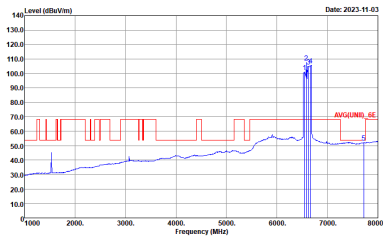
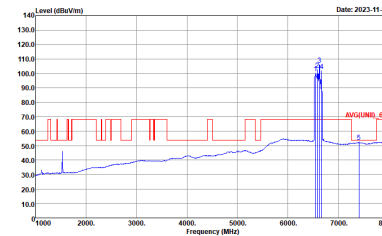


| | | UNII-5 5925~6425MHz Harmonic @ 3m | |
|--|--|--|--|
| ANT | Multiple carrier_ non-contiguous 40M+40M+40M+40M 5965MHz+6085MHz+6205MHz+6405MHz | | |
| 16Tx | Horizontal | Vertical | |
| 10.6G ~18G Avg. | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p> | |
| | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> | |
| 38.6G ~40G Avg. | | | |

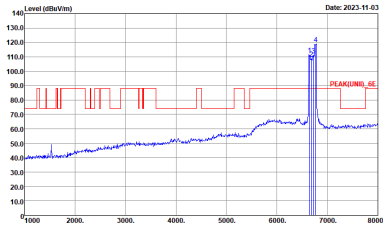
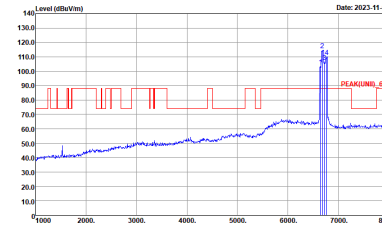
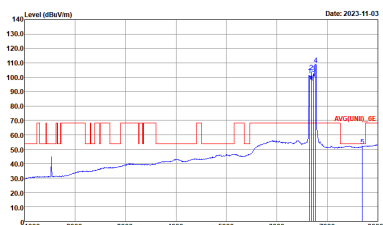
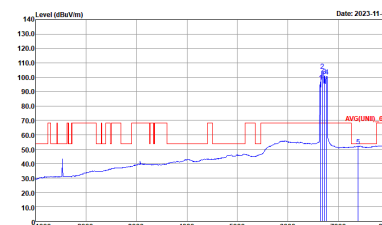


UNII-7 6525~6875MHz

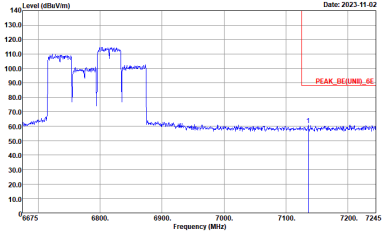
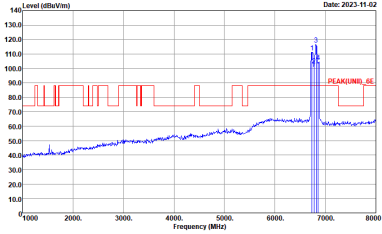
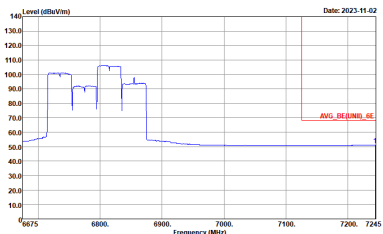
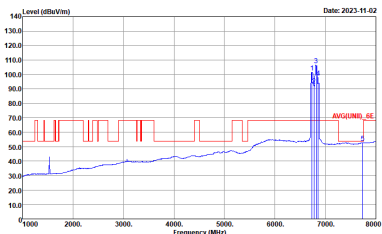
Multiple carrier_contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| UNII-7 6525~6875MHz Fundamental @ 3m | |
|--------------------------------------|---|
| ANT | Multiple carrier_contiguous 40M+40M+40M+40M 6545MHz+6585MHz+6625MHz+6665MHz |
| 16Tx | <div style="display: flex; justify-content: space-around;"> <div style="width: 48%;"> <p style="text-align: center;">Horizontal</p> </div> <div style="width: 48%;"> <p style="text-align: center;">Vertical</p> </div> </div> |
| Peak | <div style="display: flex; justify-content: space-around;"> <div style="width: 48%;">  <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> </div> <div style="width: 48%;">  <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> </div> </div> |
| Avg. | <div style="display: flex; justify-content: space-around;"> <div style="width: 48%;">  <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> </div> <div style="width: 48%;">  <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> </div> </div> |

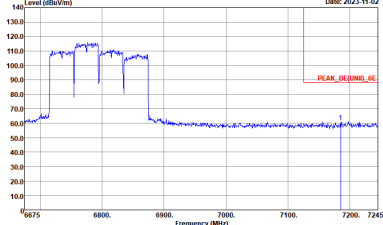
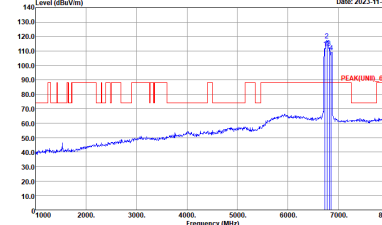
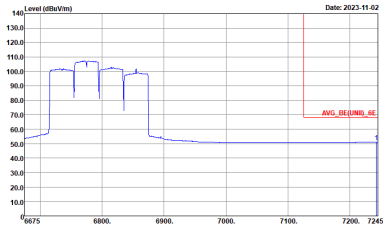
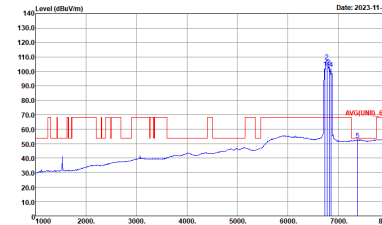


| | | UNII-7 6525~6875MHz Fundamental @ 3m | |
|------|--|---|--|
| ANT | Multiple carrier_contiguous 40M+40M+40M+40M 6645MHz+6685MHz+6725MHz+6765MHz | | |
| 16Tx | Horizontal | Vertical | |
| Peak |  <p>Site : 03CH02-CA Condition : PEAK[UNII]_6E 3m HORN_02140_230109 HORIZONTAL</p> |  <p>Site : 03CH02-CA Condition : PEAK[UNII]_6E 3m HORN_02140_230109 VERTICAL</p> | |
| Avg. |  <p>Site : 03CH02-CA Condition : AVG[UNII]_6E 3m HORN_02140_230109 HORIZONTAL</p> |  <p>Site : 03CH02-CA Condition : AVG[UNII]_6E 3m HORN_02140_230109 VERTICAL</p> | |



| | | UNII-7 6525~6875MHz Band Edge @ 3m | |
|------|---|---|-------------|
| ANT | | Multiple carrier_contiguous 40M+40M+40M+40M 6735MHz+6775MHz+6815MHz+6855MHz | |
| 16Tx | | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VSW:3000.000KHz SWT:Auto</p> | |
| Avg. |  <p>Site : 03CH02-CA Condition : AVG_BE(UNIT)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VSW:0.010KHz SWT:Auto</p> |  <p>Site : 03CH02-CA Condition : AVG(UNIT)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VSW:0.010KHz SWT:Auto</p> | |

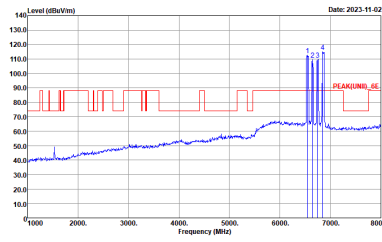
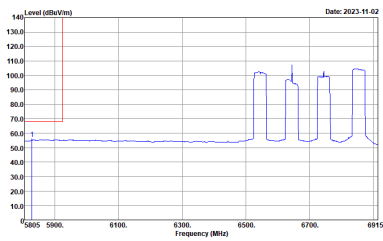
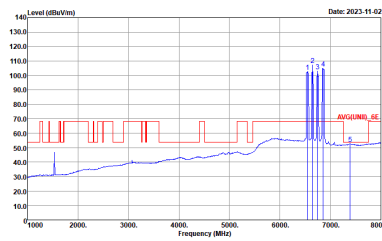


| | | UNII-7 6525~6875MHz Band Edge @ 3m | |
|------|---|--|--|
| ANT | Multiple carrier_contiguous 40M+40M+40M+40M 6735MHz+6775MHz+6815MHz+6855MHz | | |
| 16Tx | Vertical | Fundamental | |
| Peak |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Vertical Peak. The plot shows a series of peaks between 6735 MHz and 6875 MHz. A red line indicates the peak level at approximately 115 dBm/100kHz. The x-axis ranges from 6675 to 7245 MHz, and the y-axis ranges from 10.0 to 140.0 dBm/100kHz.</p> <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a single sharp peak at approximately 6875 MHz. A red line indicates the peak level at approximately 115 dBm/100kHz. The x-axis ranges from 1000 to 8000 MHz, and the y-axis ranges from 10.0 to 140.0 dBm/100kHz.</p> <p>Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | |
| Avg. |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Vertical Avg. The plot shows a series of peaks between 6735 MHz and 6875 MHz. A red line indicates the average level at approximately 70 dBm/100kHz. The x-axis ranges from 6675 to 7245 MHz, and the y-axis ranges from 10.0 to 140.0 dBm/100kHz.</p> <p>Site : 03CH02-CA Condition : AVG_BE(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p> |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Fundamental Avg. The plot shows a single sharp peak at approximately 6875 MHz. A red line indicates the average level at approximately 70 dBm/100kHz. The x-axis ranges from 1000 to 8000 MHz, and the y-axis ranges from 10.0 to 140.0 dBm/100kHz.</p> <p>Site : 03CH02-CA Condition : AVG(UNIT)_AE 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p> | |



UNII-7 6525~6875MHz

Multiple carrier_non contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| | | UNII-7 6525~6875MHz Band Edge @ 3m | |
|------|---|---|--|
| ANT | Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz | | |
| 16Tx | Horizontal | Fundamental | |
| Peak |  <p>Site : 03CH02-CA Condition : PEAK_BE(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | |
| Avg. |  <p>Site : 03CH02-CA Condition : AVG_BE(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |  <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | |



| | | UNII-7 6525~6875MHz Band Edge @ 3m | |
|------|---|--|-------------|
| ANT | | Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz | |
| 16Tx | | Horizontal | Fundamental |
| Peak | <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p> | Left Blank | |
| Avg. | <p>Site : 03CH02-CA Condition : AVG_BE(UNIT)_AE 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWF:Auto</p> | Left Blank | |



| | | UNII-7 6525~6875MHz Band Edge @ 3m | |
|------|---|--|--|
| ANT | Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz | | |
| 16Tx | Vertical | Fundamental | |
| Peak |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Vertical Peak. The plot shows a baseline around 60 dBm/100kHz with four distinct peaks at approximately 6545 MHz, 6645 MHz, 6745 MHz, and 6855 MHz, each reaching about 100 dBm/100kHz. A red line indicates the noise floor at approximately 85 dBm/100kHz.</p> <p>Site : 03CH02-CA Condition : PEAK_BE(UNII)_E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a baseline around 40 dBm/100kHz with four distinct peaks at approximately 6545 MHz, 6645 MHz, 6745 MHz, and 6855 MHz, each reaching about 110 dBm/100kHz. A red line indicates the noise floor at approximately 85 dBm/100kHz.</p> <p>Site : 03CH02-CA Condition : PEAK(UNII)_E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | |
| Avg. |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Vertical Avg. The plot shows a baseline around 60 dBm/100kHz with four distinct peaks at approximately 6545 MHz, 6645 MHz, 6745 MHz, and 6855 MHz, each reaching about 100 dBm/100kHz. A red line indicates the noise floor at approximately 85 dBm/100kHz.</p> <p>Site : 03CH02-CA Condition : AVG_BE(UNII)_E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p> |  <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Fundamental Avg. The plot shows a baseline around 40 dBm/100kHz with four distinct peaks at approximately 6545 MHz, 6645 MHz, 6745 MHz, and 6855 MHz, each reaching about 110 dBm/100kHz. A red line indicates the noise floor at approximately 85 dBm/100kHz.</p> <p>Site : 03CH02-CA Condition : AVG(UNII)_E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p> | |



| | | UNII-7 6525~6875MHz Band Edge @ 3m | |
|------|---|--|-------------|
| ANT | | Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz | |
| 16Tx | | Vertical | Fundamental |
| Peak | <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p> | Left Blank | |
| Avg. | <p>Site : 03CH02-CA Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWF:Auto</p> | Left Blank | |



UNII-7 6525~6875MHz

Multiple carrier_contiguous 40M+40M+40M+40M (Harmonic @ 3m)

| | | |
|----------------------|--|--|
| | UNII-7 6525~6875MHz Harmonic @ 3m | |
| ANT | Multiple carrier_contiguous40M+40M+40M+40M 6545MHz+6585MHz+6625MHz+6665MHz | |
| 16Tx | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH02-CA Condition : PEAK[UNII_7E] In SHF_HORN_841_230822 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA Condition : PEAK[UNII_7E] In SHF_HORN_841_230822 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



| | | UNII-7 6525~6875MHz Harmonic @ 3m | |
|--|--|--|-----------------|
| ANT | | Multiple carrier_contiguous40M+40M+40M+40M 6545MHz+6585MHz+6625MHz+6665MHz | |
| 16Tx | | Horizontal | Vertical |
| 10.6G ~18G Avg. | <p style="font-size: small;">Date: 2023-11-03 Site : 03CH02-CA Condition : AV6(UNIT)_E 3m HORN_02140_230109 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | <p style="font-size: small;">Date: 2023-11-03 Site : 03CH02-CA Condition : AV6(UNIT)_E 3m HORN_02140_230109 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | |
| | <p style="font-size: small;">Date: 2023-11-06 Site : 03CH02-CA Condition : AV6(UNIT)_E 1m SHF_HORN_841_230822 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | <p style="font-size: small;">Date: 2023-11-06 Site : 03CH02-CA Condition : AV6(UNIT)_E 1m SHF_HORN_841_230822 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | |
| 38.6G ~40G Avg. | | | |



| UNII-7 6525~6875MHz Harmonic @ 3m | | |
|-----------------------------------|---|---|
| ANT | Multiple carrier_contiguous 40M+40M+40M+40M 6645MHz+6685MHz+6725MHz+6765MHz | |
| 16Tx | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH02-CA Condition : PEAK[UNII]_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : PEAK[UNII]_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



| | | UNII-7 6525~6875MHz Harmonic @ 3m | |
|---|--|--|--|
| ANT | | Multiple carrier_contiguous 40M+40M+40M+40M 6645MHz+6685MHz+6725MHz+6765MHz | |
| 16Tx | | Horizontal | Vertical |
| <p>10.6G</p> <p>~18G</p> <p>Avg.</p> | <p>Date: 2023-11-03</p> <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p> | <p>Date: 2023-11-03</p> <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p> | |
| | <p>38.6G</p> <p>~40G</p> <p>Avg.</p> | <p>Date: 2023-11-06</p> <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p>Date: 2023-11-06</p> <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



| | | |
|----------------------|---|---|
| | UNII-7 6525~6875MHz Harmonic @ 3m | |
| ANT | Multiple carrier_contiguous 40M+40M+40M+40M 6735MHz+6775MHz+6815MHz+6855MHz | |
| 16Tx | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH02-CA Condition : PEAK[UNII]_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : PEAK[UNII]_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



| | | UNII-7 6525~6875MHz Harmonic @ 3m | |
|--------------------------------|--|--|----------|
| ANT | | Multiple carrier_contiguous 40M+40M+40M+40M 6735MHz+6775MHz+6815MHz+6855MHz | |
| 16Tx | | Horizontal | Vertical |
| <p>10.6G ~18G Avg.</p> | | | |
| | | | |
| <p>38.6G ~40G Avg.</p> | | | |



UNII-7 6525~6875MHz

Multiple carrier_non contiguous 40M+40M+40M+40M (Harmonic @ 3m)

| | | |
|----------------------|--|---|
| | UNII-7 6525~6875MHz Harmonic @ 3m | |
| ANT | Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz | |
| 16Tx | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03C-HQ2-CA Condition : PEAK(LINE1)_6E Im SHF_HORN_841_230R22 HORIZONTAL</p> | <p>Site : 03C-HQ2-CA Condition : PEAK(LINE1)_6E Im SHF_HORN_841_230R22 VERTICAL</p> |



| | | UNII-7 6525~6875MHz Harmonic @ 3m | |
|--------------------------------------|--|--|----------|
| ANT | | Multiple carrier_non-contiguous 40M+40M+40M+40M 6545MHz+6645MHz+6745MHz+6855MHz | |
| 16Tx | | Horizontal | Vertical |
| <p>10.6G</p> <p>~18G</p> <p>Avg.</p> | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p> | |
| | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> | |
| <p>38.6G</p> <p>~40G</p> <p>Avg.</p> | | | |



Appendix E. Duty Cycle Plots

| Antenna | Band | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting |
|---------------|--------------|---------------|-------|----------|-------------|
| Multi Carrier | 40+40+40+40M | 100.00 | - | - | 10Hz |

