



FCC RADIO TEST REPORT

FCC ID : A4RGGH2X
Equipment : Phone
Model Name : GGH2X, GC15S
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, CA 94043 USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Feb. 05, 2024 and testing was performed from Feb. 13, 2024 to Jun. 05, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|-----------------|------------------------------|--------------------|--|
| 3.1 | 15.407(e) | 6dB & 26dB Bandwidth | Pass | - |
| 3.1 | 2.1049 | 99% Occupied Bandwidth | Reporting only | - |
| 3.2 | 15.407(a) | Maximum E.I.R.P Output Power | Pass | - |
| 3.3 | 15.407(a) | Power Spectral Density | Pass | - |
| 3.4 | 15.407(b) | Unwanted Emissions | Pass | 2.27 dB under the limit at 5925.25 MHz |
| 3.5 | 15.207 | AC Conducted Emission | Pass | 11.88 dB under the limit at 0.18 MHz |
| 3.6 | 15.203 | Antenna Requirement | Pass | - |

Conformity Assessment Condition:

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

Disclaimer:

1. 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.
2. The GGH2X and GC15S are 100% identical in Hardware / Software to each other, and only have different model names for marketing segmentation. The test sample are all model GGH2X.

Reviewed by: William Chen**Report Producer: Ming Chen**



1 General Description

1.1 Product Feature of Equipment Under Test

| Product Feature |
|--|
| <p>General Specs GSM/WCDMA/LTE/5G NR, Bluetooth, BLE, BLE channel sounding, Thread, Wi-Fi 802.11be, UWB, NFC, WPC Rx, NTN and GNSS</p> <p>Antenna Type WLAN: <Ant. 3>: IFA Antenna <Ant. 4>: ILA Antenna</p> |

| EUT Information List | |
|----------------------|----------------------------|
| S/N | Performed Test Item |
| 41251FDKD0009F | RF Conducted Measurement |
| 41251FDKD0007Y | Radiated Spurious Emission |
| 41251FDKD0007K | Conducted Emission |

| Antenna information (Open Mode) | | |
|---------------------------------|-----------------|--------------|
| 5850 MHz ~ 5895 MHz | Peak Gain (dBi) | Ant. 3: -4.7 |
| | | Ant. 4: -4.0 |

| Antenna information (Close Mode) | | |
|----------------------------------|-----------------|--------------|
| 5850 MHz ~ 5895 MHz | Peak Gain (dBi) | Ant. 3: -6.3 |
| | | Ant. 4: -3.6 |

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



1.1.1 Antenna Directional Gain

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

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

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

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

where

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

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

N_{ANT} = the total number of antennas

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

As minimum $N_{SS}=1$ is supported by EUT, the formula can be simplified as:

Directional gain = $10 \cdot \log[(10^{G1 / 20} + 10^{G2 / 20} + \dots + 10^{GN / 20})^2 / N_{ANT}]$ dBi

Where $G1, G2, \dots, GN$ denote single antenna gain.

The directional gain "DG" is calculated as following table.

| UNII-4 | | | DG | DG |
|--------|-------|-------|-------|-------|
| | | | for | for |
| | Ant 3 | Ant 4 | Power | PSD |
| | (dBi) | (dBi) | (dBi) | (dBi) |
| | -4.70 | -3.61 | -3.61 | -1.13 |

Calculation example:

If a device has two antenna, $G_{ANT1}=-4.70$ dBi; $G_{ANT2}=-3.61$ dBi

Directional gain of power measurement = $\max(-4.70, -3.61) + 0 = -3.61$ dBi

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[10^{(-4.70 \text{ dBi} / 20)} + 10^{(-3.61 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

$$= -1.31 \text{ dBi}$$

Note: The antenna gain is from both open mode and close mode with highest number.



1.2 Modification of EUT

No modifications are made to the EUT during all test items.

1.3 Testing Location

| | |
|---------------------------|--|
| Test Site | Sporton International Inc. Wensan Laboratory |
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855 |
| Test Site No. | Sporton Site No. TH05-HY, CO07-HY, 03CH16-HY |

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC KDB 291074 D02 EMC Measurement v01
- ♦ 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. The TAF code is not including all the FCC KDB listed without accreditation.



2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). 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 (Open and Close) and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Z plane open with Adapter as worst plane.

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

2.1 Carrier Frequency and Channel

| Frequency Band | Bandwidth | Channel | Frequency (MHz) | Note |
|----------------------------|-----------|---------|-----------------|----------|
| 5850-5895 MHz (U-NII-4) | 20 MHz | 169 | 5845 | Straddle |
| | | 173 | 5865 | |
| | | 177 | 5885 | |
| | 40 MHz | 167 | 5835 | Straddle |
| | | 175 | 5875 | |
| | 80 MHz | 171 | 5855 | Straddle |
| 160 MHz | 163 | 5815 | Straddle | |

Note: The channel noted with “straddle” spans 5.725-5.850 GHz and 5.850-5.895 GHz.



2.2 Test Mode

This device supports WiFi 802.11be 20MHz bandwidth for 2.4GHz and 160MHz bandwidth for both 5GHz and 6GHz.

This device supports 26/52/106/242/484/996 single tone RU modes for 802.11ax/be modes and the 242/484/996-tone RU modes are covered by 20/40/80MHz channels.

This device supports MRU 52T+26T/106T+26T (small RU) and punctured modes (large RU) for 802.11be mode.

The PSD of partial RU/MRU modes are reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2018 and Oct. 2022 for WiFi 7 device.

The 802.11ax/be modes are investigated among full RU, single RU and MRU modes for emission spot check and the 11ax modes are covered by 11be modes.

The PSD and power of partial RU and MRU are less than full RU configurations so the full RU is chosen as main test configuration.

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is chosen as main test configuration..

The power for 802.11n, 802.11ac and 802.11ax mode is smaller than 802.11be mode, so all other conducted and radiated test is covered by 802.11be mode.

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

| Specification | MCS index /Data Rate |
|-------------------------------------|----------------------|
| 802.11a | 6 Mbps |
| 802.11n HT20 (Covered by EHT20) | MCS0 |
| 802.11n HT40 (Covered by EHT40) | MCS0 |
| 802.11ac VHT20 (Covered by EHT20) | MCS0 |
| 802.11ac VHT40 (Covered by EHT40) | MCS0 |
| 802.11ac VHT80 (Covered by EHT80) | MCS0 |
| 802.11ac VHT160 (Covered by EHT160) | MCS0 |
| 802.11ax HE20 (Covered by EHT20) | MCS0 |
| 802.11ax HE40 (Covered by EHT40) | MCS0 |
| 802.11ax HE80 (Covered by EHT80) | MCS0 |
| 802.11ax HE160 (Covered by EHT160) | MCS0 |
| 802.11be EHT20 | MCS0 |
| 802.11be EHT40 | MCS0 |
| 802.11be EHT80 | MCS0 |
| 802.11be EHT160 | MCS0 |

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.



Index of MRU and puncture mode mapping

Small MRU

| | | | |
|----------|-----|-----|------|
| MRU | 26T | 52T | 106T |
| 52T+26T | 70 | 71 | 72 |
| 106T+26T | 82 | 83 | |

Large MRU

| | | | |
|-------------------|---|---|---|
| 484+242-tone MRU | | | |
| 2 | 1 | 4 | 3 |
| 80MHz puncture 20 | | | |
| 8 | 4 | 2 | 1 |

(High Frequency) ----- (Low Frequency)

| | | | | | | | |
|--------------------|----|----|----|---|---|---|---|
| 484+242-tone MRU | | | | | | | |
| 2 | 1 | 4 | 3 | 6 | 5 | 8 | 7 |
| 160MHz puncture 20 | | | | | | | |
| 128 | 64 | 32 | 16 | 8 | 4 | 2 | 1 |

(High Frequency) ----- (Low Frequency)

| | | | |
|--------------------|----|----|---|
| 996+484-tone MRU | | | |
| 2 | 1 | 4 | 3 |
| 160MHz puncture 40 | | | |
| 192 | 48 | 12 | 3 |

(High Frequency) ----- (Low Frequency)

Note: The RF waveform is identical for large MRU and puncture modes.

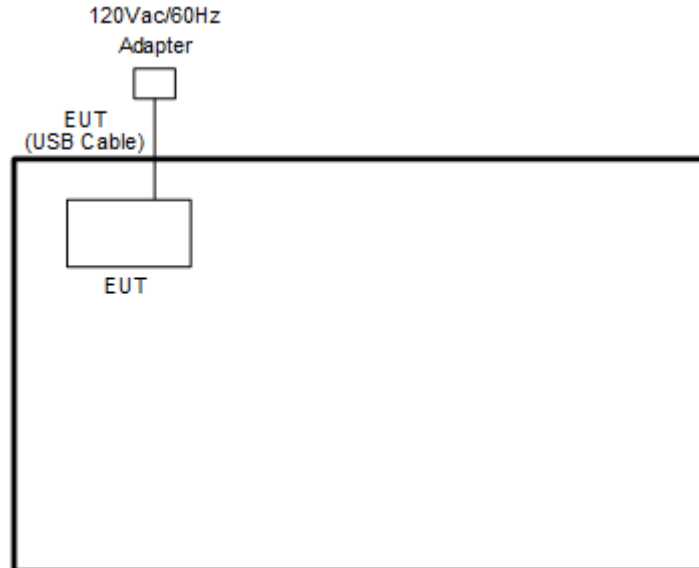
| Test Cases | |
|---|--|
| AC Conducted Emission | Mode 1 : WLAN (5GHz) Link + USB Cable 1 (Charging from AC Adapter 1) |
| Remark: 1. For Radiated Test Cases, the tests were performed with USB Cable 1. 2. During the preliminary test, both charging modes (Adapter mode and WPC Rx mode) were verified. It is determined that the adaptor mode is the worst case for official test. | |

| Ch. # | | RF test channel of UNII-4 and UNII-3 &-4 span channels | | | | |
|-------|--------|--|----------------|----------------|----------------|-----------------|
| | | 802.11a | 802.11be EHT20 | 802.11be EHT40 | 802.11be EHT80 | 802.11be EHT160 |
| L | Low | 169 | 169 | 167 | - | - |
| M | Middle | 173 | 173 | - | 171 | 163 |
| H | High | 177 | 177 | 175 | - | - |

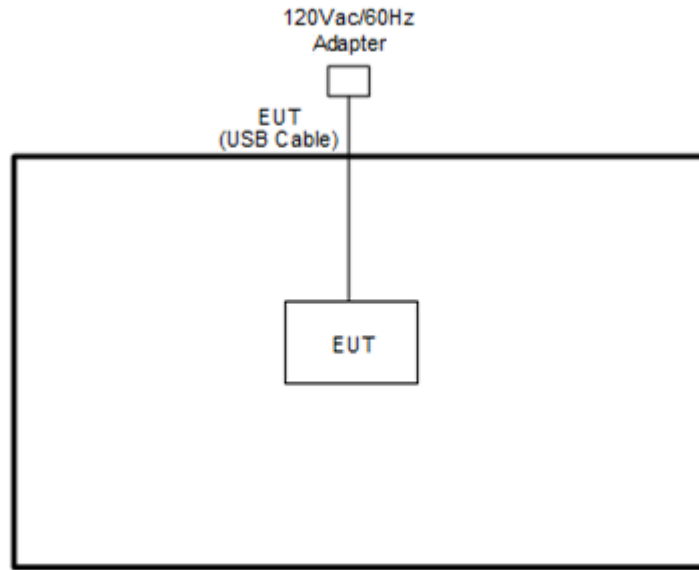
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|-----------|------------|------------|--------|------------|------------|
| 1. | Adapter | Chicony | G9BR1 | N/A | N/A | N/A |

2.5 EUT Operation Test Setup

The RF test items, utility “WLAN_DUT_Control_GUI_11-29-23” 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.



2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$

3 Test Result

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

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

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

26dB and 99% Occupied bandwidth are reporting only.

3.1.2 Measuring Instruments

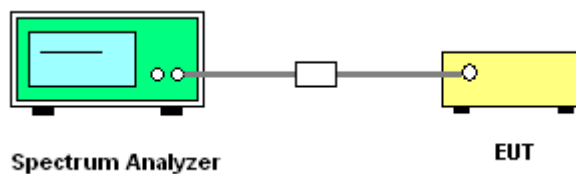
See list of measuring equipment of this test report.

3.1.3 Test Procedures

The testing follows FCC KDB 291074 D02 EMC Measurement v01 Section 2.11 Minimum Emission bandwidth

1. Set RBW = 100 kHz.
2. Set the VBW $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold
5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
6. Measure and record the results in the test report.

3.1.4 Test Setup



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

Please refer to Appendix A.

3.2 Maximum E.I.R.P Output Power Measurement

3.2.1 Limit of Maximum E.I.R.P Output Power

For client devices operating under the control of an indoor access point in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm. Client devices operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands must not exceed an e.i.r.p. of 30 dBm.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

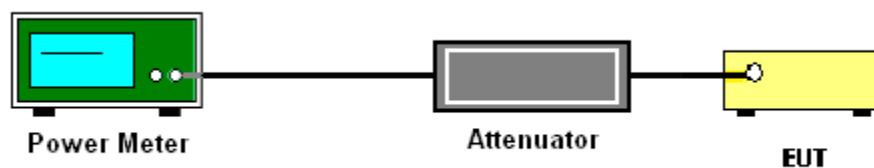
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

1. For client devices operating under the control of an indoor access point in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band
2. For client devices operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands shall meet both 15.407(a)(3)(i) 30dBm/500kHz and 15.407(a)(3)(iii) 14dBm/MHz limit, where the stringent limit 14dBm/MHz is applied.

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Method SA-2

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

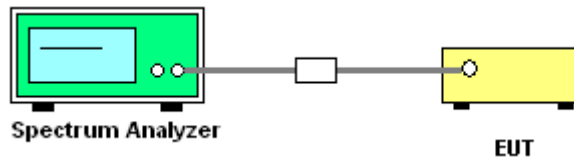
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW \geq 3 MHz.
- Number of points in sweep \geq 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (a): Measure and sum the spectra across the outputs.

The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as the following 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.

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

(2) For transmitters operating solely in the 5.850-5.895 GHz band or operating on a channel that spans across 5.725-5.895 GHz:

15.407(b)(5)(i), all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of -7 dBm/MHz at or above 5.925 GHz.

All emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.

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

Use guidance in KDB Publication 789033 for all measurements. Unwanted emissions outside of restricted bands are measured with an 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.

Unwanted band-edge emissions may be measured using the integration method as described in KDB Publication 789033 3. d) (ii). Emissions below 5725 MHz should be measured using peak-detection while emission above 5895 MHz should be measured using average.



| Frequency(GHz) | EIRP (dBm) | Field Strength @3m distance (dBuV/m) | Note |
|----------------|-------------|--------------------------------------|---------|
| Below 5.65 | -27dBm/MHz | 68.2 | Peak |
| 5.7 | 10dBm/MHz | 105.2 | Peak |
| 5.72 | 15.6dBm/MHz | 110.8 | Peak |
| 5.725 | 27dBm/MHz | 122.2 | Peak |
| 5.895 | -5dBm/MHz | 90.2 | Average |
| 5.895 | 15dBm/MHz | 110.2 | Peak |
| Above 5.925 | -27dBm/MHz | 68.2 | Average |
| Above 5.925 | -7dBm/MHz | 88.2 | Peak |

Note: Field strength at 3 m distance is converted to EIRP as the following equation:
$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

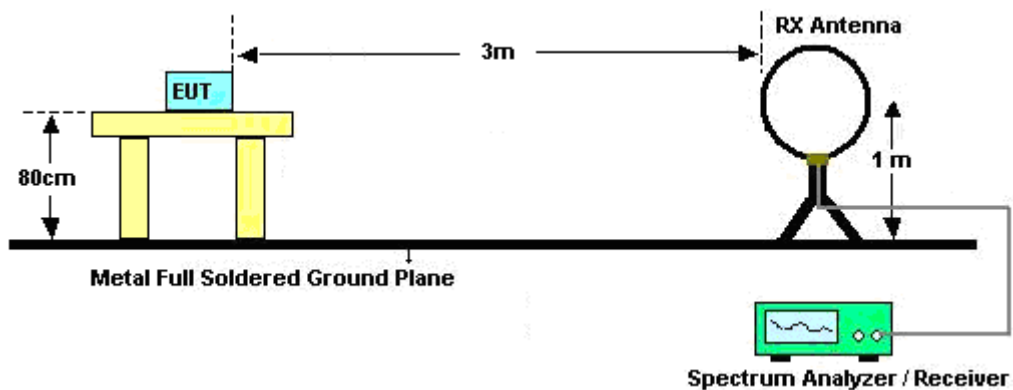
3.4.3 Test Procedures

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

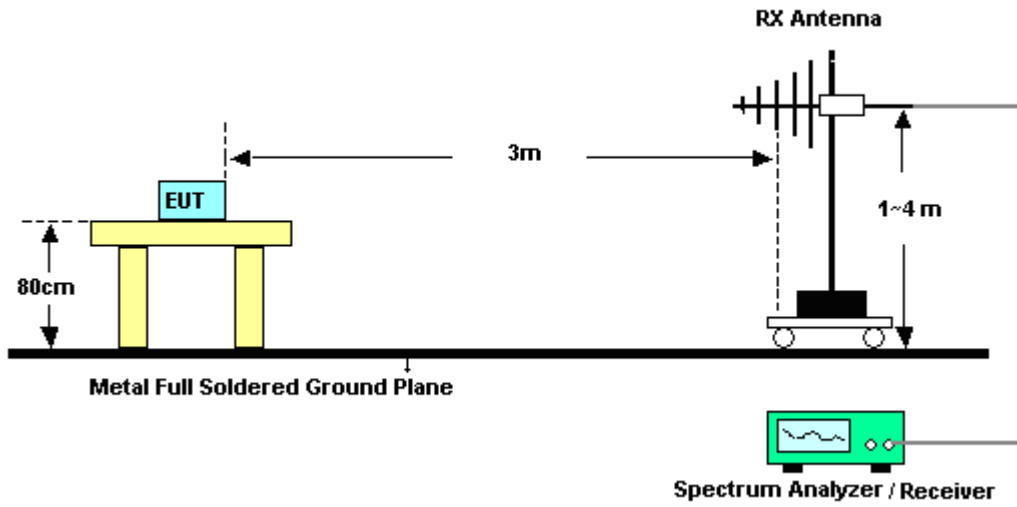
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.
4. The measurement antenna 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.
5. For each suspected emission, the EUT was 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 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6dB margin against QP limit line, the position is marked as “-“.
7. Radiated testing above 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree 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 6dB margin against average limit line, the position is marked as “-“.

3.4.4 Test Setup

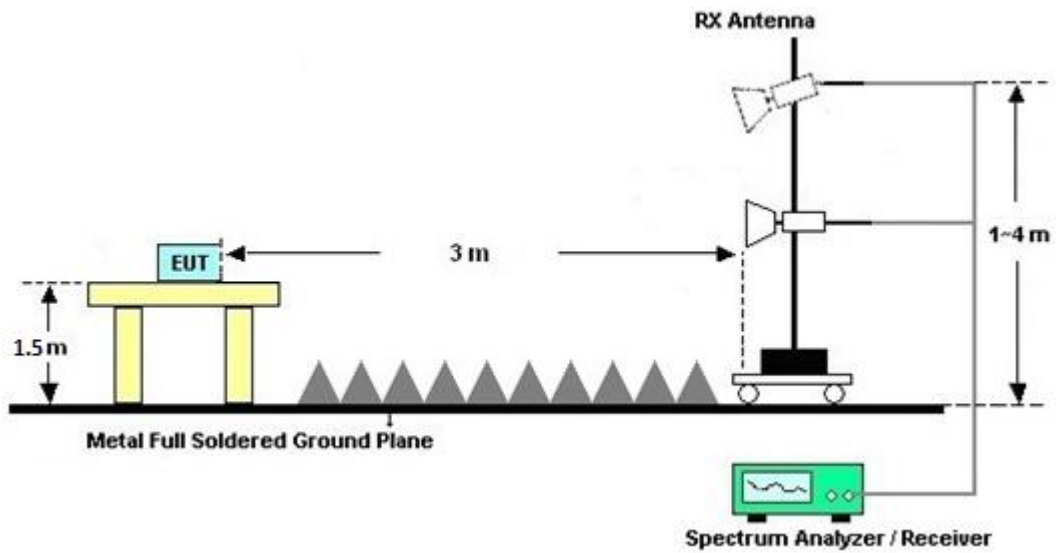
For radiated emissions below 30MHz



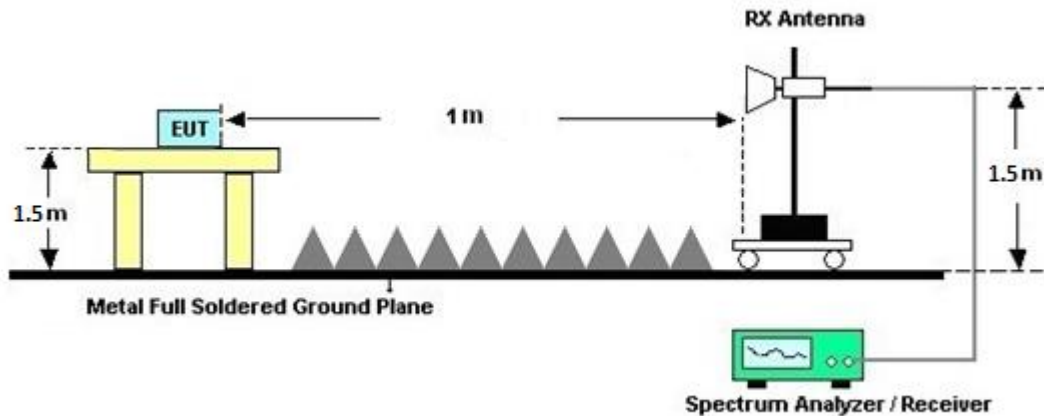
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

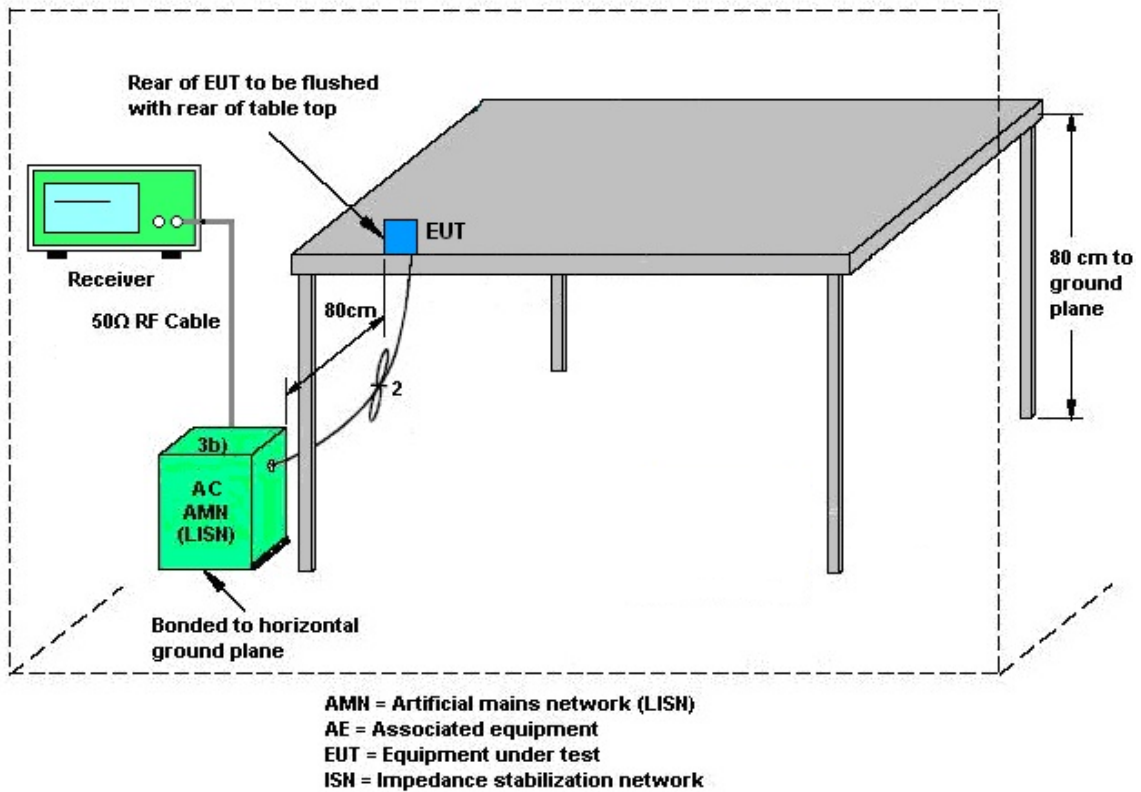
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 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.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|----------------------|-----------------|----------------------------------|--|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Loop Antenna | Rohde & Schwarz | HFH2-Z2 | 100488 | 9 kHz~30 MHz | Sep. 12, 2023 | Feb. 14, 2024~ Mar. 18, 2024 | Sep. 11, 2024 | Radiation (03CH16-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK | BBHA9170 | 00993 | 18GHz-40GHz | Nov. 24, 2023 | Feb. 14, 2024~ Mar. 18, 2024 | Nov. 23, 2024 | Radiation (03CH16-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & 00802N1D01N-06 | 47020 & 06 | 30MHz to 1GHz | Oct. 07, 2023 | Feb. 14, 2024~ Mar. 18, 2024 | Oct. 06, 2024 | Radiation (03CH16-HY) |
| Horn Antenna | SCHWARZBECK | BBHA 9120 D | 9120D-1522 | 1G~18GHz | Mar. 23, 2023 | Feb. 14, 2024~ Mar. 18, 2024 | Mar. 22, 2024 | Radiation (03CH16-HY) |
| Amplifier | SONOMA | 310N | 371607 | 9kHz~1GHz | Jul. 03, 2023 | Feb. 14, 2024~ Mar. 18, 2024 | Jul. 02, 2024 | Radiation (03CH16-HY) |
| Preamplifier | Keysight | 83017A | MY53270264 | 1GHz~26.5GHz | Dec. 07, 2023 | Feb. 14, 2024~ Mar. 18, 2024 | Dec. 06, 2024 | Radiation (03CH16-HY) |
| Preamplifier | EMEC | EM1G18G | 060812 | 1GHz~18GHz | Dec. 25, 2023 | Feb. 14, 2024~ Mar. 18, 2024 | Dec. 24, 2024 | Radiation (03CH16-HY) |
| Preamplifier | EMEC | EM18G40G | 060801 | 18GHz~40GHz | Jun. 27, 2023 | Feb. 14, 2024~ Mar. 18, 2024 | Jun. 26, 2024 | Radiation (03CH16-HY) |
| Filter | Wainwright | WLK4-1000-1530- 8000-40SS | SN17 | 1.53GHz Low Pass Filter | Jan. 15, 2024 | Feb. 14, 2024~ Mar. 18, 2024 | Jan. 14, 2025 | Radiation (03CH16-HY) |
| Filter | Wainwright | WHKX12-2700-30 00-18000-60ST | SN3 | 3GHz High Pass Filter | Jun. 29, 2023 | Feb. 14, 2024~ Mar. 18, 2024 | Jun. 28, 2024 | Radiation (03CH16-HY) |
| Filter | Wainwright | WHKX8-5872.5-6 750-18000-40ST | SN27 | 6.75GHz High Pass Filter | Nov. 13, 2023 | Feb. 14, 2024~ Mar. 18, 2024 | Nov. 12, 2024 | Radiation (03CH16-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 803951/2 | 9K~30M | Mar. 07, 2023 | Feb. 14, 2024~ Mar. 05, 2024 | Mar. 06, 2024 | Radiation (03CH16-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 803951/2 | 9K~30M | Mar. 06, 2024 | Mar. 06, 2024~ Mar. 18, 2024 | Mar. 06, 2025 | Radiation (03CH16-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102/SUCOFLEX 104 | EC-A5-300-57 57,805935/4,8 02434/4 | 30MHz~18GHz | Aug. 08, 2023 | Feb. 14, 2024~ Mar. 18, 2024 | Aug. 07, 2024 | Radiation (03CH16-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 804011/2,8040 12/2 | 18-40GHz | Jan. 02, 2024 | Feb. 14, 2024~ Mar. 18, 2024 | Jan. 01, 2025 | Radiation (03CH16-HY) |
| Software | Audix | E3 6.2009-8-24 | RK-001136 | N/A | N/A | Feb. 14, 2024~ Mar. 18, 2024 | N/A | Radiation (03CH16-HY) |
| Controller | ChainTek | 3000-1 | N/A | Control Turn table & Ant Mast | N/A | Feb. 14, 2024~ Mar. 18, 2024 | N/A | Radiation (03CH16-HY) |
| Antenna Mast | ChainTek | MBS-520-1 | N/A | 1m~4m | N/A | Feb. 14, 2024~ Mar. 18, 2024 | N/A | Radiation (03CH16-HY) |
| Turn Table | ChainTek | T-200-S-1 | N/A | 0~360 Degree | N/A | Feb. 14, 2024~ Mar. 18, 2024 | N/A | Radiation (03CH16-HY) |
| Hygrometer | TEPEL | DTM-303A | TP201996 | N/A | Nov. 07, 2023 | Feb. 13, 2024~ Jun. 05, 2024 | Nov. 06, 2024 | Conducted (TH05-HY) |
| Power Sensor | DARE | RPR3006W | 17100015SNO 36 (NO:35_ 144) | 10MHz~6GHz | Aug. 23, 2023 | Feb. 13, 2024~ Jun. 05, 2024 | Aug. 22, 2024 | Conducted (TH05-HY) |
| Signal Analyzer | Rohde & Schwarz | FSV40 | 101564 | 10Hz ~ 40GHz | Sep. 12, 2023 | Feb. 13, 2024~ Jun. 05, 2024 | Sep. 11, 2024 | Conducted (TH05-HY) |
| AC Power Source | ACPOWER | AFC-11003G | F317040033 | N/A | N/A | Mar. 22, 2024 | N/A | Conduction (CO7-HY) |
| Software | Rohde & Schwarz | EMC32 V10.30 | N/A | N/A | N/A | Mar. 22, 2024 | N/A | Conduction (CO7-HY) |
| Pulse Limiter | SCHWARZBECK | VTSD 9561-F N | 9561-F N00373 | 9kHz-200MHz | Oct. 20, 2023 | Mar. 22, 2024 | Oct. 19, 2024 | Conduction (CO7-HY) |
| RF Cable | HUBER + SUHNER | RG 214/U | 1358175 | 9kHz~30MHz | Mar. 14, 2024 | Mar. 22, 2024 | Mar. 13, 2025 | Conduction (CO7-HY) |
| Two-Line V-Network | TESEQ | NNB 51 | 45051 | N/A | Mar. 10, 2024 | Mar. 22, 2024 | Mar. 09, 2025 | Conduction (CO7-HY) |
| Four-Line V-Network | TESEQ | NNB 52 | 36122 | N/A | Mar. 07, 2024 | Mar. 22, 2024 | Mar. 06, 2025 | Conduction (CO7-HY) |
| EMI Test Receiver | Rohde & Schwarz | ESR3 | 102317 | 9kHz~3.6GHz | Sep. 20, 2023 | Mar. 22, 2024 | Sep. 19, 2024 | Conduction (CO7-HY) |



5 Measurement Uncertainty

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

| | |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 3.44 dB |
|---|---------|

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

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 6.5 dB |
|---|--------|

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

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

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

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

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

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

Appendix A. Test Result of Conducted Test Items

| | | | | |
|----------------|--------------------|--------------------|-------|----|
| Test Engineer: | Mina Liu | Temperature: | 21~25 | °C |
| Test Date: | 2024/2/13~2024/6/5 | Relative Humidity: | 51~54 | % |

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

| UNII-4 MIMO | | | | | | | | | | | | |
|-------------|-----------|-----|-----|-------------|---------------------|-------|----------------------|-------|----------------------|-------|---------------------------------|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) | | 26dB Bandwidth (MHz) | | 6 dB Bandwidth (MHz) | | 6 dB Bandwidth Min. Limit (MHz) | Pass/Fail |
| | | | | | Ant 3 | Ant 4 | Ant 3 | Ant 4 | Ant 3 | Ant 4 | | |
| 11a | 6Mbps | 2 | 169 | 5845 | 26.37 | 28.72 | 39.88 | 42.45 | 16.33 | 16.36 | 0.5 | Pass |
| 11a | 6Mbps | 2 | 173 | 5865 | 25.47 | 28.97 | 40.27 | 44.08 | 16.29 | 16.30 | 0.5 | Pass |
| 11a | 6Mbps | 2 | 177 | 5885 | 27.12 | 29.27 | 43.54 | 43.94 | 16.09 | 16.32 | 0.5 | Pass |

TEST RESULTS DATA
Average Power Table

| UNII-4 MIMO | | | | | | | | | | |
|-------------|-----------|-----------------|-----|-------------|-------------------------------|-------|-------|---------------|---------------------|---------------------|
| Mod. | Data Rate | N _{TX} | CH. | Freq. (MHz) | Average Conducted Power (dBm) | | | DG (dBi) | E.I.R.P Power (dBm) | E.I.R.P Limit (dBm) |
| | | | | | Ant 3 | Ant 4 | SUM | Ant 3 + Ant 4 | Ant 3 + Ant 4 | Ant 3 + Ant 4 |
| 11a | 6Mbps | 2 | 169 | 5845 | 20.87 | 20.57 | 23.73 | -3.6 | 20.13 | 30 |
| 11a | 6Mbps | 2 | 173 | 5865 | 20.77 | 20.47 | 23.63 | -3.6 | 20.03 | 30 |
| 11a | 6Mbps | 2 | 177 | 5885 | 20.77 | 20.57 | 23.68 | -3.6 | 20.08 | 30 |
| HT20 | MCS0 | 2 | 169 | 5845 | 20.87 | 20.37 | 23.64 | -3.6 | 20.04 | 30 |
| HT20 | MCS0 | 2 | 173 | 5865 | 20.77 | 20.47 | 23.63 | -3.6 | 20.03 | 30 |
| HT20 | MCS0 | 2 | 177 | 5885 | 20.67 | 20.47 | 23.58 | -3.6 | 19.98 | 30 |
| HT40 | MCS0 | 2 | 167 | 5835 | 19.87 | 19.47 | 22.68 | -3.6 | 19.08 | 30 |
| HT40 | MCS0 | 2 | 175 | 5875 | 19.87 | 19.47 | 22.68 | -3.6 | 19.08 | 30 |
| VHT20 | MCS0 | 2 | 169 | 5845 | 20.87 | 20.37 | 23.64 | -3.6 | 20.04 | 30 |
| VHT20 | MCS0 | 2 | 173 | 5865 | 20.77 | 20.47 | 23.63 | -3.6 | 20.03 | 30 |
| VHT20 | MCS0 | 2 | 177 | 5885 | 20.67 | 20.47 | 23.58 | -3.6 | 19.98 | 30 |
| VHT40 | MCS0 | 2 | 167 | 5835 | 19.87 | 19.47 | 22.68 | -3.6 | 19.08 | 30 |
| VHT40 | MCS0 | 2 | 175 | 5875 | 19.87 | 19.47 | 22.68 | -3.6 | 19.08 | 30 |
| VHT80 | MCS0 | 2 | 171 | 5855 | 18.07 | 17.47 | 20.79 | -3.6 | 17.19 | 30 |
| VHT160 | MCS0 | 2 | 163 | 5815 | 15.97 | 15.37 | 18.69 | -3.6 | 15.09 | 30 |

TEST RESULTS DATA
Power Spectral Density

| UNII-4 MIMO | | | | | | | | | | | | | |
|-------------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-------|---------------|--------------------|--------------------------|------------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) | | Average Power Density (dBm/MHz) | | | DG (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Pass /Fail |
| | | | | | Ant 1 | Ant 2 | Ant 3 | Ant 4 | SUM | Ant 3 + Ant 4 | Ant 3 + Ant 4 | Ant 3 + Ant 4 | |
| 11a | 6Mbps | 2 | 169 | 5845 | 0.00 | 0.00 | | | 13.28 | -1.12 | 12.15 | 14.00 | Pass |
| 11a | 6Mbps | 2 | 173 | 5865 | 0.00 | 0.00 | | | 13.11 | -1.12 | 11.99 | 14.00 | Pass |
| 11a | 6Mbps | 2 | 177 | 5885 | 0.00 | 0.00 | | | 13.16 | -1.12 | 12.04 | 14.00 | Pass |

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

TEST RESULTS DATA
Average Power Table

| UNII-4 MIMO | | | | | | | | | | | |
|-------------|-----------|-----------------|-----|-------------|------------|-------------------------------|-------|-------|----------|---------------------|---------------------|
| Mod. | Data Rate | N _{TX} | CH. | Freq. (MHz) | RU Config. | Average Conducted Power (dBm) | | | DG (dBi) | E.I.R.P Power (dBm) | E.I.R.P Limit (dBm) |
| | | | | | | Ant 3 | Ant 4 | SUM | | | |
| HE20 | MCS0 | 2 | 169 | 5845 | Full | 20.87 | 20.37 | 23.64 | -3.6 | 20.04 | 30 |
| HE20 | MCS0 | 2 | 173 | 5865 | Full | 20.77 | 20.47 | 23.63 | -3.6 | 20.03 | 30 |
| HE20 | MCS0 | 2 | 177 | 5885 | Full | 20.67 | 20.47 | 23.58 | -3.6 | 19.98 | 30 |
| HE40 | MCS0 | 2 | 167 | 5835 | Full | 19.87 | 19.47 | 22.68 | -3.6 | 19.08 | 30 |
| HE40 | MCS0 | 2 | 175 | 5875 | Full | 19.87 | 19.47 | 22.68 | -3.6 | 19.08 | 30 |
| HE80 | MCS0 | 2 | 171 | 5855 | Full | 18.07 | 17.47 | 20.79 | -3.6 | 17.19 | 30 |
| HE160 | MCS0 | 2 | 163 | 5815 | Full | 15.97 | 15.37 | 18.69 | -3.6 | 15.09 | 30 |

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

| UNII-4 MIMO | | | | | | | | | | | | | |
|-------------|-----------|-----|-----|-------------|------------|---------------------|--------|----------------------|--------|----------------------|--------|---------------------------------|-----------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) | | 26dB Bandwidth (MHz) | | 6 dB Bandwidth (MHz) | | 6 dB Bandwidth Min. Limit (MHz) | Pass/Fail |
| | | | | | | Ant 3 | Ant 4 | Ant 3 | Ant 4 | Ant 3 | Ant 4 | | |
| EHT20 | MCS0 | 2 | 169 | 5845 | Full | 27.27 | 31.07 | 48.34 | 48.05 | 17.95 | 16.61 | 0.5 | Pass |
| EHT20 | MCS0 | 2 | 173 | 5865 | Full | 27.37 | 31.42 | 44.57 | 48.97 | 18.60 | 18.02 | 0.5 | Pass |
| EHT20 | MCS0 | 2 | 177 | 5885 | Full | 29.17 | 31.87 | 47.59 | 48.81 | 18.38 | 18.28 | 0.5 | Pass |
| EHT40 | MCS0 | 2 | 167 | 5835 | Full | 44.86 | 49.65 | 78.19 | 87.87 | 37.62 | 37.51 | 0.5 | Pass |
| EHT40 | MCS0 | 2 | 175 | 5875 | Full | 48.95 | 54.45 | 92.51 | 92.40 | 37.72 | 37.66 | 0.5 | Pass |
| EHT80 | MCS0 | 2 | 171 | 5855 | Full | 78.88 | 80.92 | 160.10 | 180.58 | 76.50 | 75.20 | 0.5 | Pass |
| EHT160 | MCS0 | 2 | 163 | 5815 | Full | 162.56 | 168.55 | 275.18 | 271.97 | 155.23 | 155.68 | 0.5 | Pass |

TEST RESULTS DATA
Average Power Table

| UNII-4 MIMO | | | | | | | | | | | |
|-------------|-----------|-----------------|-----|-------------|----------------|-------------------------------|-------|-------|----------|---------------------|---------------------|
| Mod. | Data Rate | N _{TX} | CH. | Freq. (MHz) | RU Config. | Average Conducted Power (dBm) | | | DG (dBi) | E.I.R.P Power (dBm) | E.I.R.P Limit (dBm) |
| | | | | | | Ant 3 | Ant 4 | SUM | | | |
| EHT20 | MCS0 | 2 | 169 | 5845 | Full | 20.97 | 20.47 | 23.74 | -3.6 | 20.14 | 30 |
| EHT20 | MCS0 | 2 | 169 | 5845 | 26/0 | 12.47 | 11.87 | 15.19 | -3.6 | 11.59 | 30 |
| EHT20 | MCS0 | 2 | 169 | 5845 | 52/37 | 15.17 | 14.87 | 18.03 | -3.6 | 14.43 | 30 |
| EHT20 | MCS0 | 2 | 169 | 5845 | 106/53 | 18.17 | 17.87 | 21.03 | -3.6 | 17.43 | 30 |
| EHT20 | MCS0 | 2 | 169 | 5845 | 52T+26T/70 | 17.17 | 16.87 | 20.03 | -3.6 | 16.43 | 30 |
| EHT20 | MCS0 | 2 | 169 | 5845 | 106T+26T/82 | 19.37 | 18.87 | 22.14 | -3.6 | 18.54 | 30 |
| EHT20 | MCS0 | 2 | 173 | 5865 | Full | 20.87 | 20.57 | 23.73 | -3.6 | 20.13 | 30 |
| EHT20 | MCS0 | 2 | 173 | 5865 | 26/4 | 13.37 | 12.87 | 16.14 | -3.6 | 12.54 | 30 |
| EHT20 | MCS0 | 2 | 173 | 5865 | 52/38 | 15.27 | 14.87 | 18.08 | -3.6 | 14.48 | 30 |
| EHT20 | MCS0 | 2 | 173 | 5865 | 106/53 | 18.07 | 17.47 | 20.79 | -3.6 | 17.19 | 30 |
| EHT20 | MCS0 | 2 | 173 | 5865 | 52T+26T/71 | 17.27 | 16.97 | 20.13 | -3.6 | 16.53 | 30 |
| EHT20 | MCS0 | 2 | 173 | 5865 | 106T+26T/83 | 18.87 | 18.67 | 21.78 | -3.6 | 18.18 | 30 |
| EHT20 | MCS0 | 2 | 177 | 5885 | Full | 20.77 | 20.57 | 23.68 | -3.6 | 20.08 | 30 |
| EHT20 | MCS0 | 2 | 177 | 5885 | 26/8 | 12.37 | 11.87 | 15.14 | -3.6 | 11.54 | 30 |
| EHT20 | MCS0 | 2 | 177 | 5885 | 52/40 | 15.17 | 15.17 | 18.18 | -3.6 | 14.58 | 30 |
| EHT20 | MCS0 | 2 | 177 | 5885 | 106/54 | 17.87 | 17.77 | 20.83 | -3.6 | 17.23 | 30 |
| EHT20 | MCS0 | 2 | 177 | 5885 | 52T+26T/72 | 17.07 | 16.87 | 19.98 | -3.6 | 16.38 | 30 |
| EHT20 | MCS0 | 2 | 177 | 5885 | 106T+26T/83 | 19.07 | 18.87 | 21.98 | -3.6 | 18.38 | 30 |
| EHT40 | MCS0 | 2 | 167 | 5835 | Full | 19.97 | 19.57 | 22.78 | -3.6 | 19.18 | 30 |
| EHT40 | MCS0 | 2 | 175 | 5875 | Full | 19.97 | 19.57 | 22.78 | -3.6 | 19.18 | 30 |
| EHT80 | MCS0 | 2 | 171 | 5855 | Full | 18.17 | 17.57 | 20.89 | -3.6 | 17.29 | 30 |
| EHT80 | MCS0 | 2 | 171 | 5855 | Punctured 20/1 | 16.87 | 16.37 | 19.64 | -3.6 | 16.04 | 30 |
| EHT160 | MCS0 | 2 | 163 | 5815 | Full | 16.07 | 15.47 | 18.79 | -3.6 | 15.19 | 30 |
| EHT160 | MCS0 | 2 | 163 | 5815 | Punctured 40/3 | 14.57 | 14.27 | 17.43 | -3.6 | 13.83 | 30 |
| EHT160 | MCS0 | 2 | 163 | 5815 | Punctured 20/1 | 15.37 | 14.87 | 18.14 | -3.6 | 14.54 | 30 |

TEST RESULTS DATA
Power Spectral Density

| UNII-4 MIMO | | | | | | | | | | | | | | |
|-------------|-----------|-----|-----|-------------|----------------|------------------|-------|---------------------------------|-------|-------|----------|--------------------|--------------------------|------------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Duty Factor (dB) | | Average Power Density (dBm/MHz) | | | DG (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Pass /Fail |
| | | | | | | Ant 1 | Ant 2 | Ant 3 | Ant 4 | SUM | | | | |
| EHT20 | MCS0 | 2 | 169 | 5845 | Full | 0.03 | 0.03 | | | 12.92 | -1.12 | 11.79 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 169 | 5845 | 26/0 | 0.08 | 0.08 | | | 12.65 | -1.12 | 11.53 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 169 | 5845 | 52/37 | 0.12 | 0.12 | | | 12.71 | -1.12 | 11.58 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 169 | 5845 | 106/53 | 0.13 | 0.13 | | | 12.41 | -1.12 | 11.29 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 169 | 5845 | 52T+26T/70 | 0.05 | 0.05 | | | 12.90 | -1.12 | 11.78 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 169 | 5845 | 106T+26T/82 | 0.09 | 0.09 | | | 12.72 | -1.12 | 11.59 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 173 | 5865 | Full | 0.03 | 0.03 | | | 12.80 | -1.12 | 11.68 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 173 | 5865 | 26/4 | 0.08 | 0.08 | | | 12.69 | -1.12 | 11.56 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 173 | 5865 | 52/38 | 0.12 | 0.12 | | | 12.76 | -1.12 | 11.64 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 173 | 5865 | 106/53 | 0.13 | 0.13 | | | 12.52 | -1.12 | 11.40 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 173 | 5865 | 52T+26T/71 | 0.05 | 0.05 | | | 12.73 | -1.12 | 11.61 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 173 | 5865 | 106T+26T/83 | 0.09 | 0.09 | | | 12.46 | -1.12 | 11.34 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 177 | 5885 | Full | 0.03 | 0.03 | | | 12.86 | -1.12 | 11.74 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 177 | 5885 | 26/8 | 0.08 | 0.08 | | | 12.51 | -1.12 | 11.38 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 177 | 5885 | 52/40 | 0.12 | 0.12 | | | 12.76 | -1.12 | 11.63 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 177 | 5885 | 106/54 | 0.13 | 0.13 | | | 12.44 | -1.12 | 11.32 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 177 | 5885 | 52T+26T/72 | 0.05 | 0.05 | | | 12.73 | -1.12 | 11.60 | 14.00 | Pass |
| EHT20 | MCS0 | 2 | 177 | 5885 | 106T+26T/83 | 0.09 | 0.09 | | | 12.55 | -1.12 | 11.43 | 14.00 | Pass |
| EHT40 | MCS0 | 2 | 167 | 5835 | Full | 0.06 | 0.05 | | | 9.04 | -1.12 | 7.92 | 14.00 | Pass |
| EHT40 | MCS0 | 2 | 175 | 5875 | Full | 0.06 | 0.05 | | | 8.56 | -1.12 | 7.43 | 14.00 | Pass |
| EHT80 | MCS0 | 2 | 171 | 5855 | Full | 0.11 | 0.11 | | | 3.78 | -1.12 | 2.65 | 14.00 | Pass |
| EHT80 | MCS0 | 2 | 171 | 5855 | Punctured 20/1 | 0.09 | 0.09 | | | 3.68 | -1.12 | 2.55 | 14.00 | Pass |
| EHT160 | MCS0 | 2 | 163 | 5815 | Full | 0.21 | 0.21 | | | -1.25 | -1.12 | -2.38 | 14.00 | Pass |
| EHT160 | MCS0 | 2 | 163 | 5815 | Punctured 40/3 | 0.18 | 0.18 | | | -1.27 | -1.12 | -2.39 | 14.00 | Pass |
| EHT160 | MCS0 | 2 | 163 | 5815 | Punctured 20/1 | 0.18 | 0.18 | | | -1.53 | -1.12 | -2.65 | 14.00 | Pass |

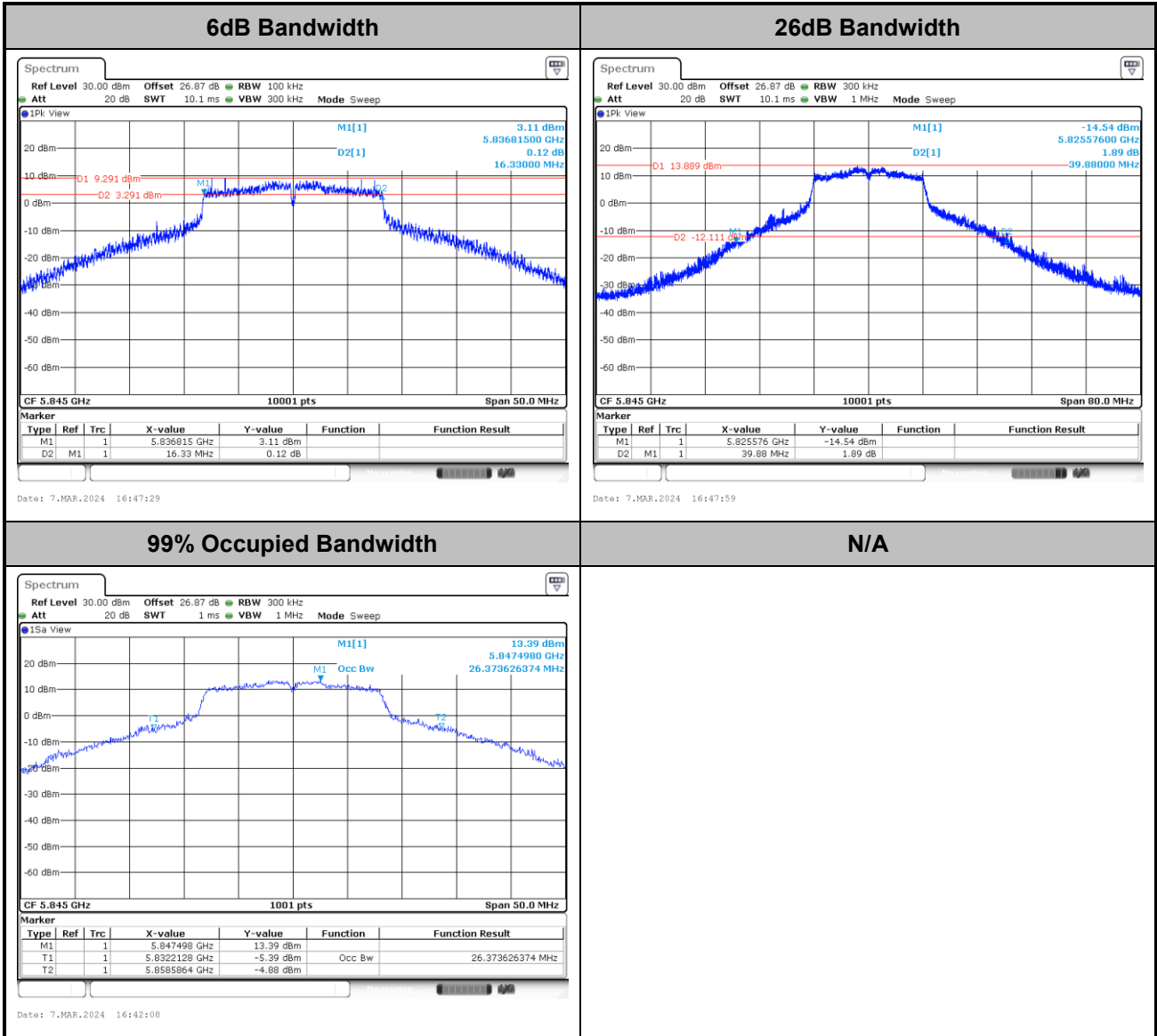
Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)



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

MIMO <Ant. 3+4>

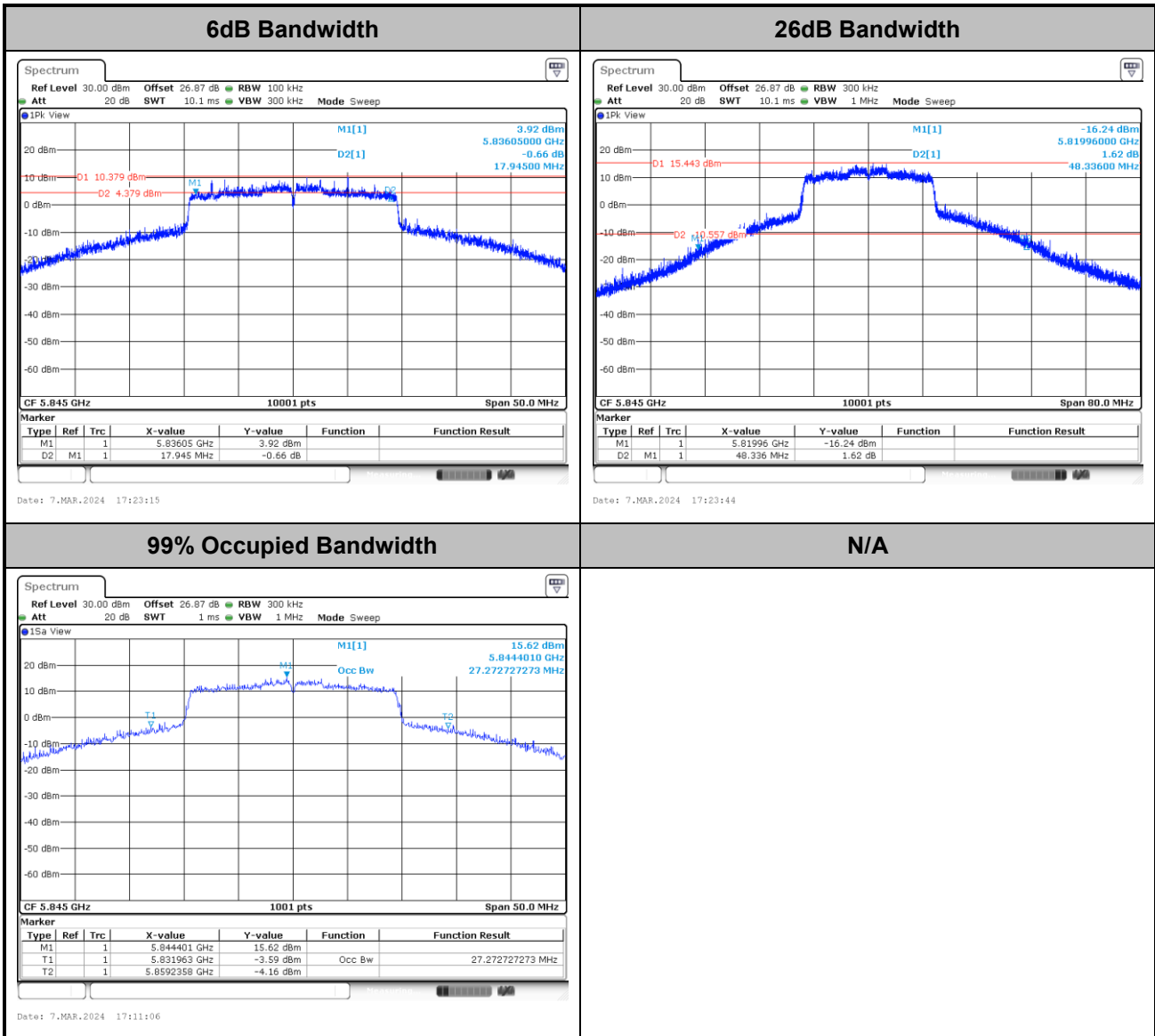
<802.11a>



Note: The occupied channel bandwidth is maintained within the band of operation.



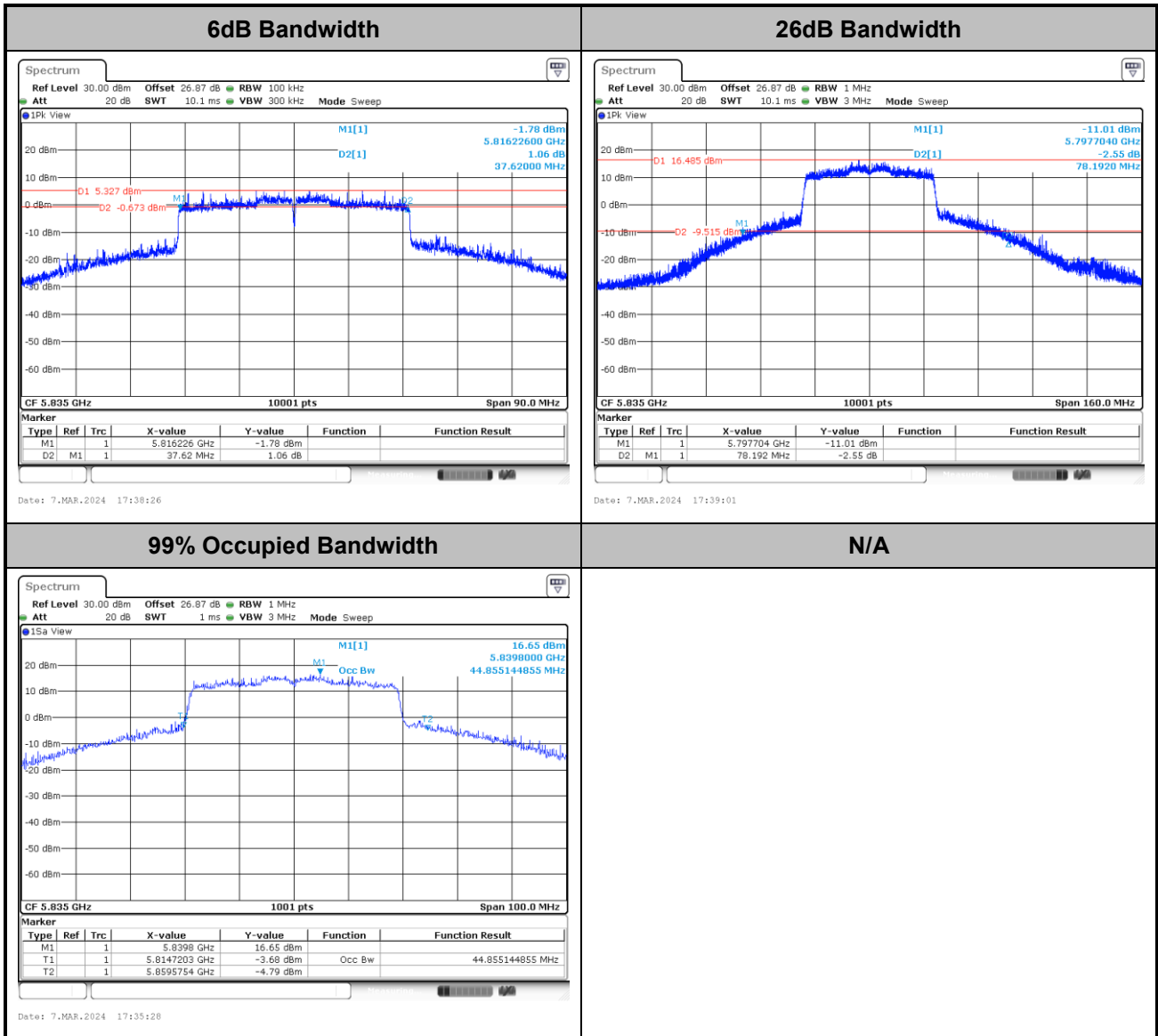
<802.11be EHT20>



Note: The occupied channel bandwidth is maintained within the band of operation.



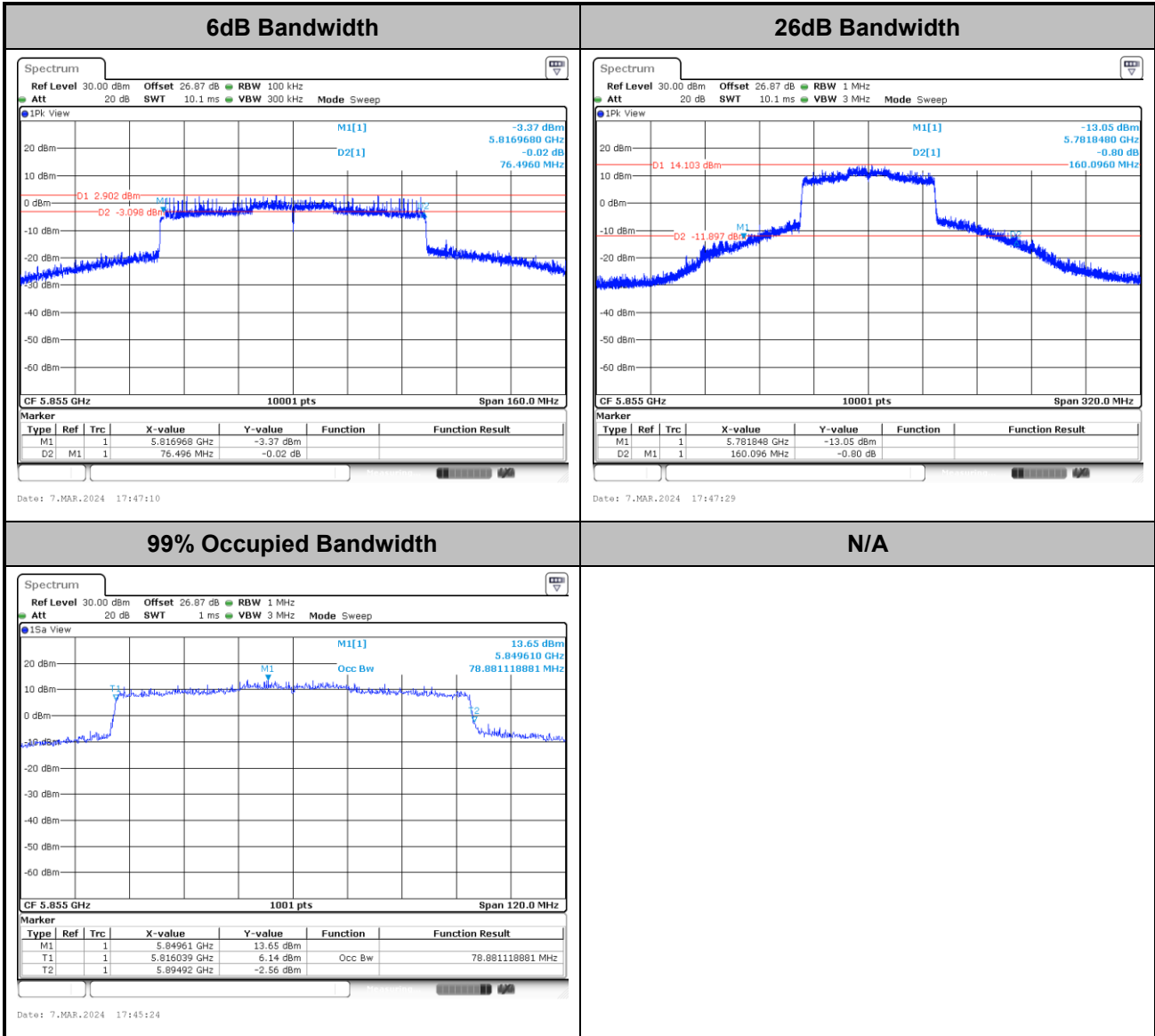
<802.11be EHT40>



Note: The occupied channel bandwidth is maintained within the band of operation.



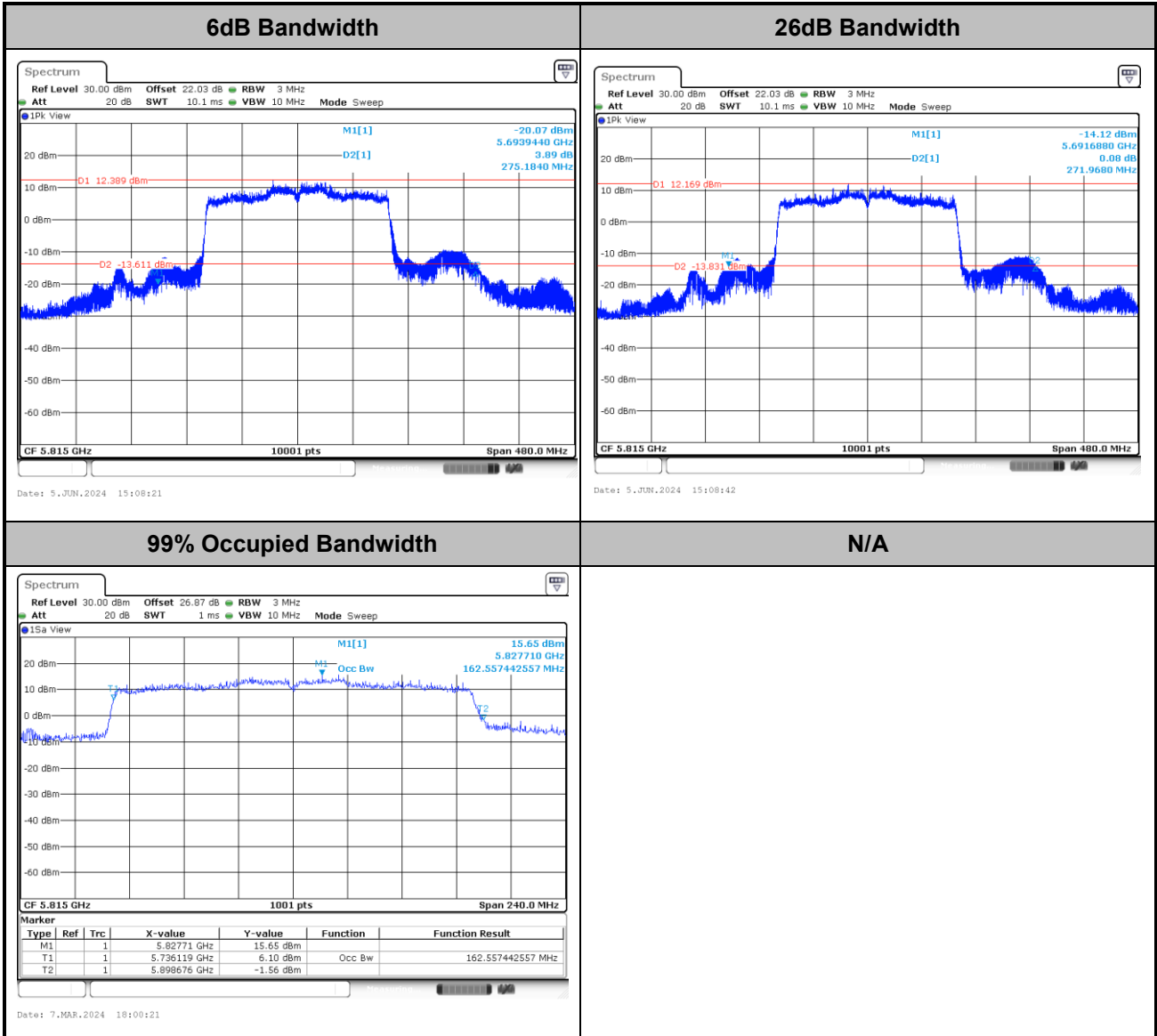
<802.11be EHT80>



Note: The occupied channel bandwidth is maintained within the band of operation.



<802.11be EHT160>

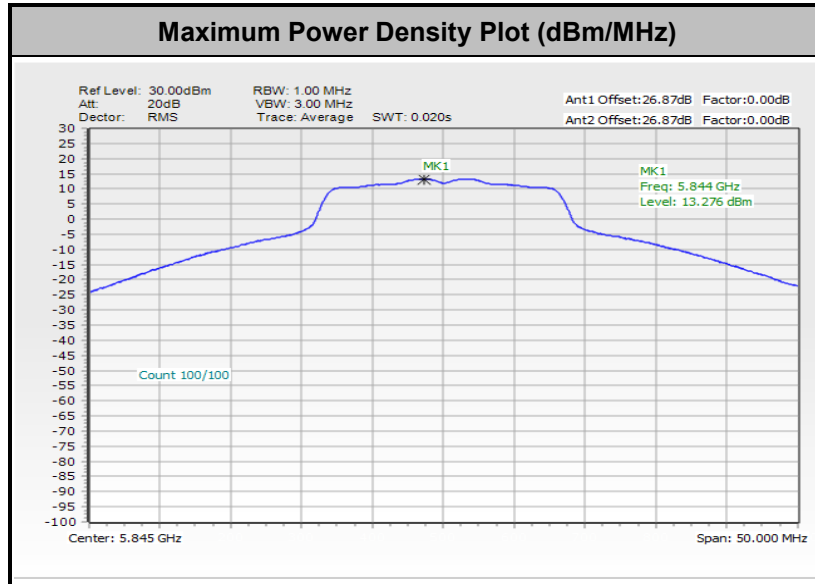


Note: The occupied channel bandwidth is maintained within the band of operation.

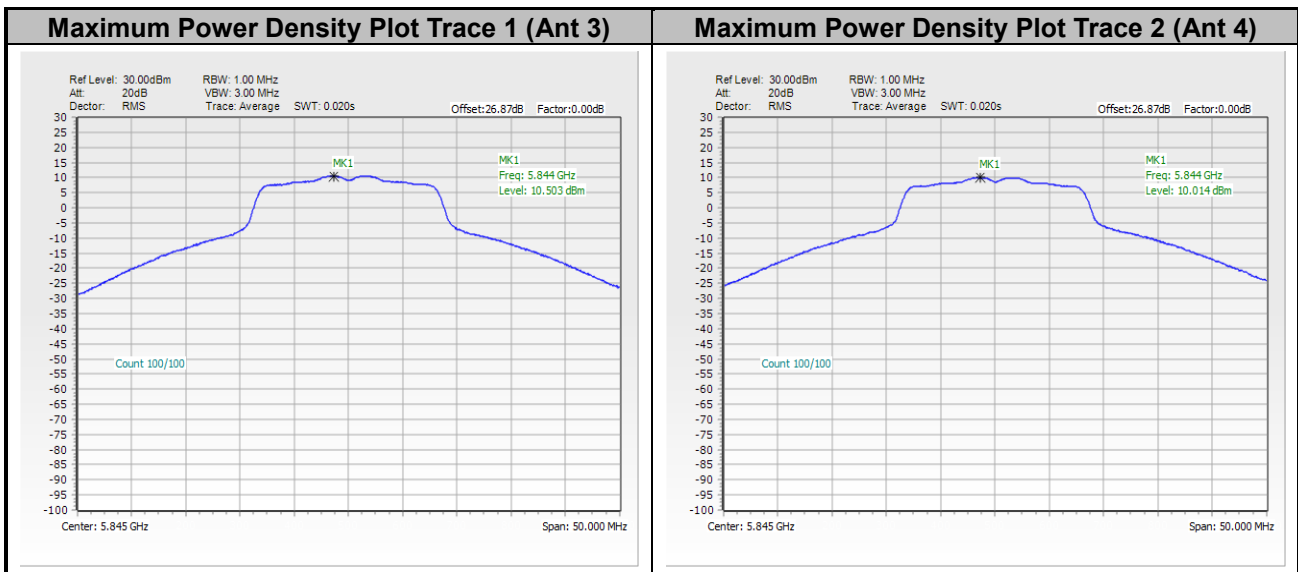


Test Result of Power Spectral Density

<802.11a>

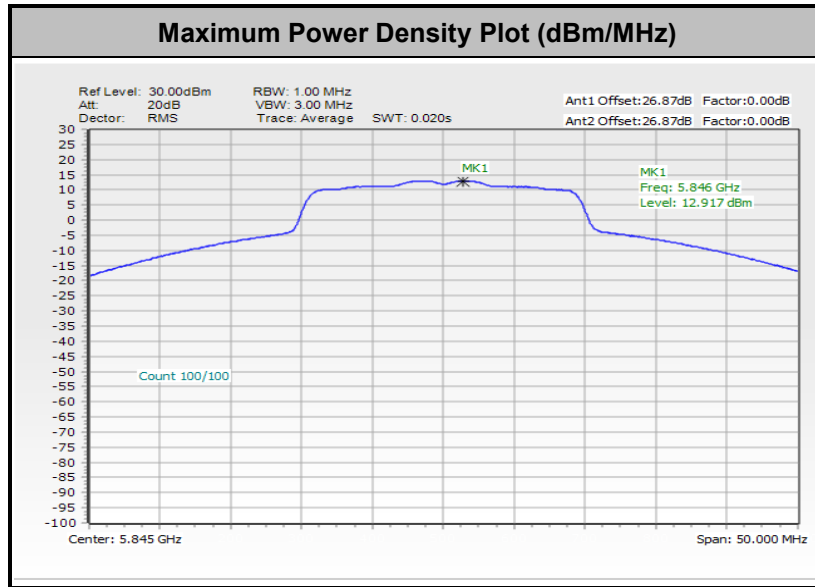


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

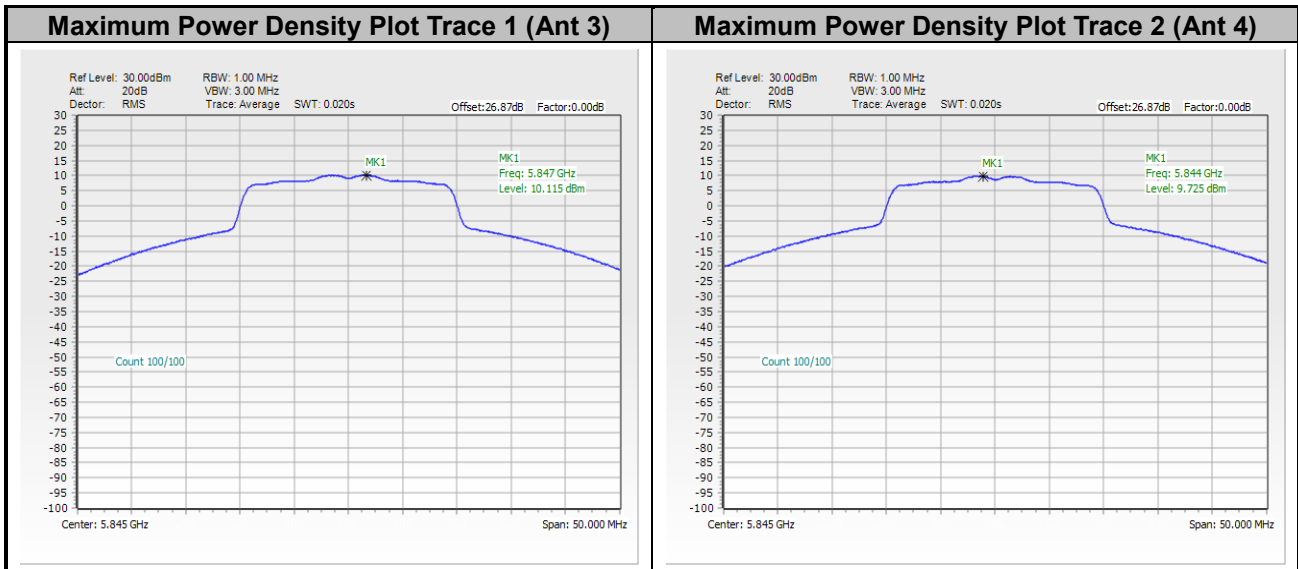




<802.11be EHT20>

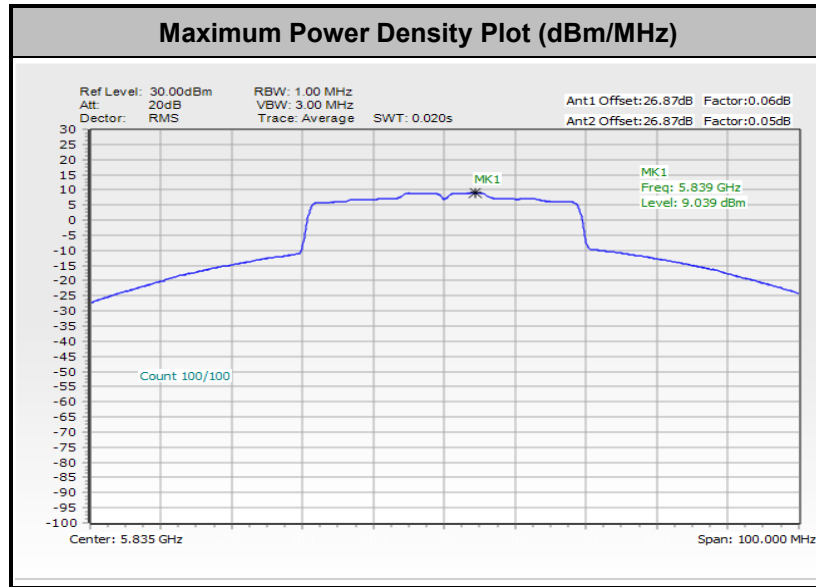


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

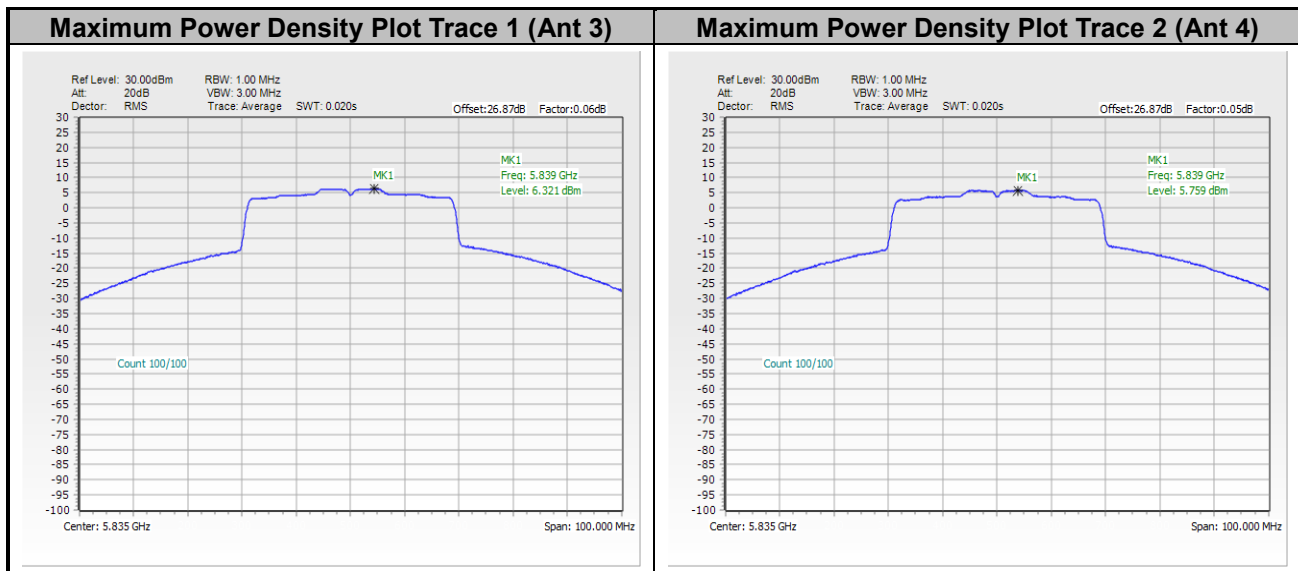




<802.11be EHT40>

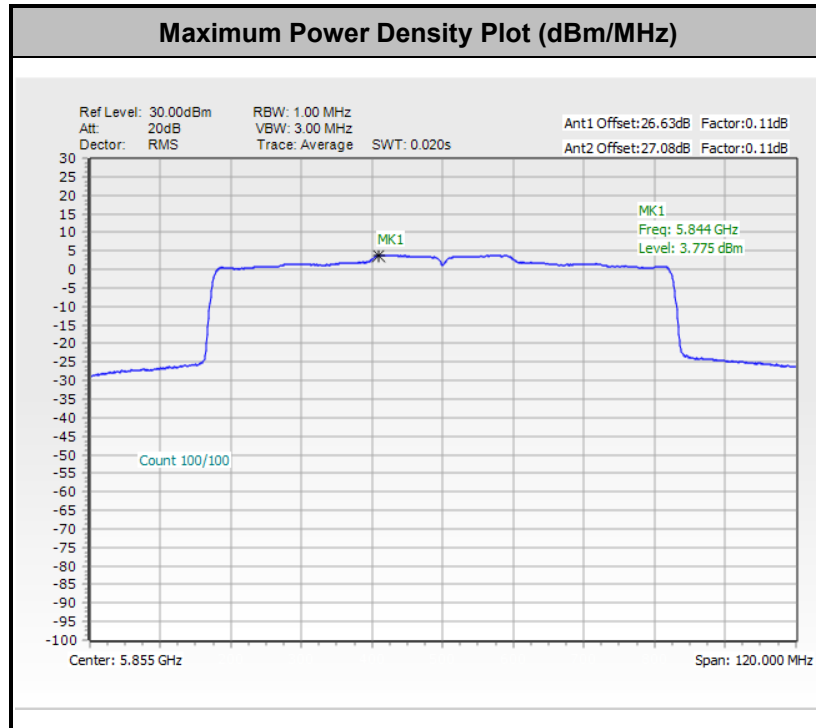


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

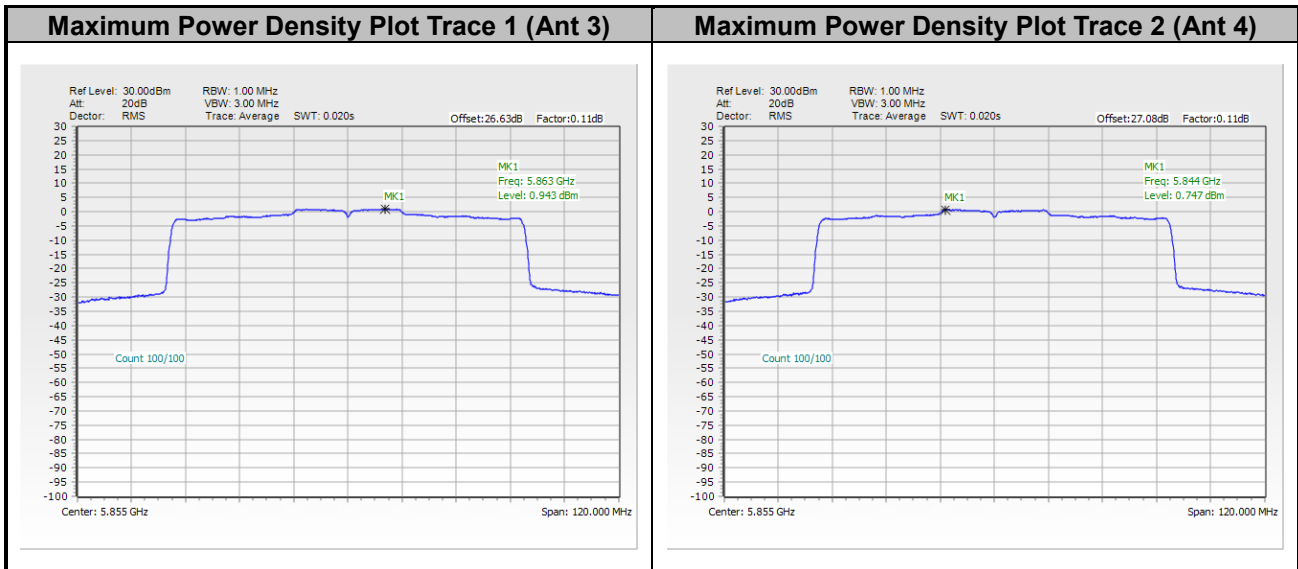




<802.11be EHT80>

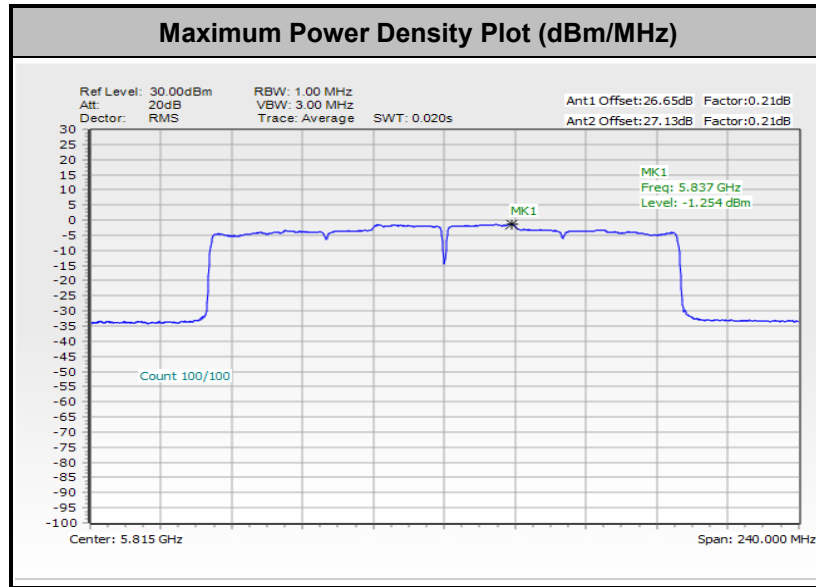


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

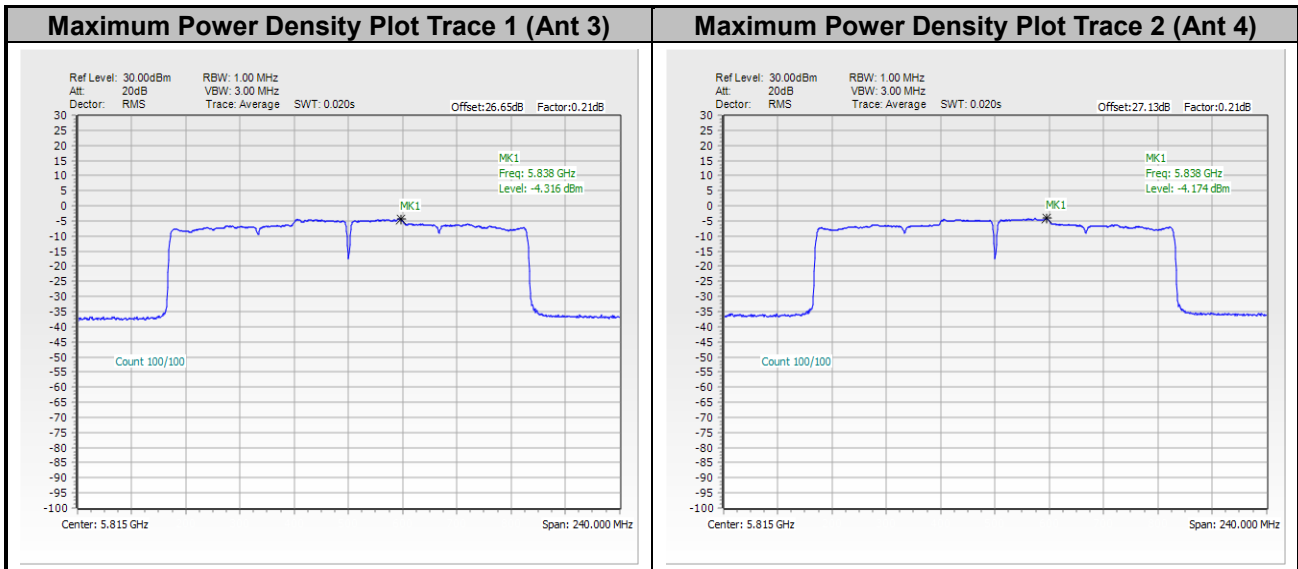




<802.11be EHT160>



Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.





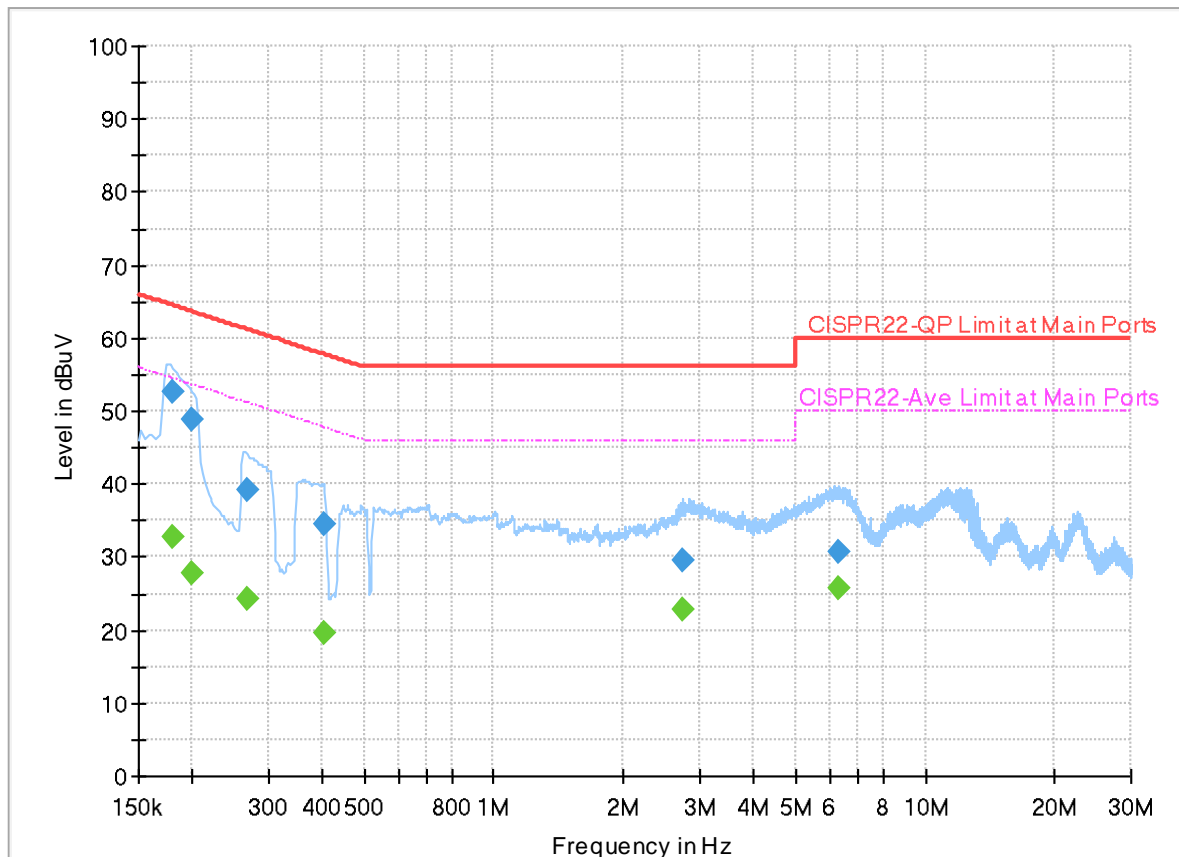
Appendix B. AC Conducted Emission Test Results

| | | | |
|-----------------|-------------|---------------------|-------------|
| Test Engineer : | Louis Chung | Temperature : | 20.2~22.7°C |
| | | Relative Humidity : | 50~55.5% |

EUT Information

Report NO : 3D2001
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



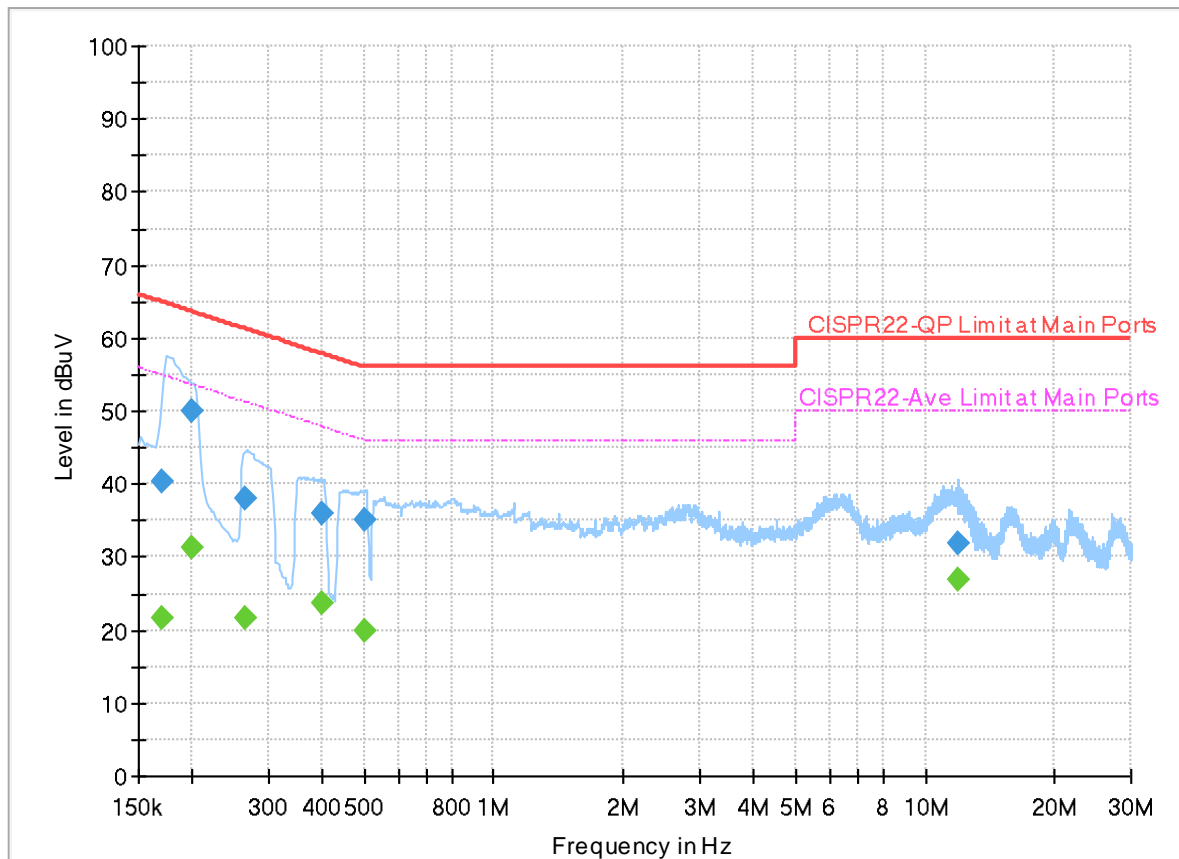
Final_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.179250 | --- | 32.80 | 54.52 | 21.72 | L1 | OFF | 19.9 |
| 0.179250 | 52.64 | --- | 64.52 | 11.88 | L1 | OFF | 19.9 |
| 0.200220 | --- | 27.83 | 53.60 | 25.77 | L1 | OFF | 19.9 |
| 0.200220 | 48.89 | --- | 63.60 | 14.71 | L1 | OFF | 19.9 |
| 0.267000 | --- | 24.14 | 51.21 | 27.07 | L1 | OFF | 19.9 |
| 0.267000 | 39.15 | --- | 61.21 | 22.06 | L1 | OFF | 19.9 |
| 0.403440 | --- | 19.69 | 47.78 | 28.09 | L1 | OFF | 19.9 |
| 0.403440 | 34.42 | --- | 57.78 | 23.36 | L1 | OFF | 19.9 |
| 2.755230 | --- | 22.75 | 46.00 | 23.25 | L1 | OFF | 20.0 |
| 2.755230 | 29.41 | --- | 56.00 | 26.59 | L1 | OFF | 20.0 |
| 6.329220 | --- | 25.85 | 50.00 | 24.15 | L1 | OFF | 20.0 |
| 6.329220 | 30.76 | --- | 60.00 | 29.24 | L1 | OFF | 20.0 |

EUT Information

Report NO : 3D2001
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.170250 | --- | 21.70 | 54.95 | 33.25 | N | OFF | 19.9 |
| 0.170250 | 40.38 | --- | 64.95 | 24.57 | N | OFF | 19.9 |
| 0.199500 | --- | 31.38 | 53.63 | 22.25 | N | OFF | 19.9 |
| 0.199500 | 50.12 | --- | 63.63 | 13.51 | N | OFF | 19.9 |
| 0.264120 | --- | 21.74 | 51.30 | 29.56 | N | OFF | 19.9 |
| 0.264120 | 37.89 | --- | 61.30 | 23.41 | N | OFF | 19.9 |
| 0.397770 | --- | 23.69 | 47.90 | 24.21 | N | OFF | 19.9 |
| 0.397770 | 35.94 | --- | 57.90 | 21.96 | N | OFF | 19.9 |
| 0.503610 | --- | 19.84 | 46.00 | 26.16 | N | OFF | 19.9 |
| 0.503610 | 35.14 | --- | 56.00 | 20.86 | N | OFF | 19.9 |
| 11.956290 | --- | 26.90 | 50.00 | 23.10 | N | OFF | 20.1 |
| 11.956290 | 31.85 | --- | 60.00 | 28.15 | N | OFF | 20.1 |



Appendix C. Radiated Spurious Emission

| | | | |
|-----------------|-----------------------------------|---------------------|-------------|
| Test Engineer : | Bill Chang, Gary Guo and Steven W | Temperature : | 18.2~20.2°C |
| | | Relative Humidity : | 54.2% |

UNII 4 - 5600~5950MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI Ant. | Note | Frequency | Level | Margin | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol. |
|------------------------------|---------|-----------|------------|--------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 3+4 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11a CH 169 5845MHz | | 5613.275 | 55.1 | -13.1 | 68.2 | 39.66 | 32.95 | 11.86 | 29.37 | 301 | 118 | P | H |
| | | 5695.285 | 55.48 | -46.24 | 101.72 | 39.57 | 33.37 | 11.93 | 29.39 | 301 | 118 | P | H |
| | | 5710.625 | 56.31 | -51.87 | 108.18 | 40.3 | 33.46 | 11.94 | 29.39 | 301 | 118 | P | H |
| | | 5720.95 | 53.67 | -59.3 | 112.97 | 37.58 | 33.53 | 11.95 | 29.39 | 301 | 118 | P | H |
| | * | 5845 | 113.07 | - | - | 96.38 | 33.99 | 12.12 | 29.42 | 301 | 118 | P | H |
| | * | 5845 | 107.69 | - | - | 91 | 33.99 | 12.12 | 29.42 | 301 | 118 | A | H |
| | | 5896 | 60.44 | -49.02 | 109.46 | 43.44 | 34.18 | 12.25 | 29.43 | 301 | 118 | P | H |
| | | 5937.75 | 58.51 | -29.69 | 88.2 | 41.4 | 34.2 | 12.35 | 29.44 | 301 | 118 | P | H |
| | | 5895.75 | 50.95 | -38.7 | 89.65 | 33.96 | 34.18 | 12.24 | 29.43 | 301 | 118 | A | H |
| | | 5925.5 | 48.46 | -19.74 | 68.2 | 31.38 | 34.2 | 12.32 | 29.44 | 301 | 118 | A | H |
| | | 5647.79 | 56.48 | -11.72 | 68.2 | 40.88 | 33.09 | 11.89 | 29.38 | 221 | 318 | P | V |
| | | 5660.18 | 56.04 | -19.72 | 75.76 | 40.36 | 33.16 | 11.9 | 29.38 | 221 | 318 | P | V |
| | | 5707.38 | 55.17 | -52.1 | 107.27 | 39.18 | 33.44 | 11.94 | 29.39 | 221 | 318 | P | V |
| | | 5723.015 | 54.35 | -63.33 | 117.68 | 38.25 | 33.54 | 11.95 | 29.39 | 221 | 318 | P | V |
| | * | 5845 | 109.38 | - | - | 92.69 | 33.99 | 12.12 | 29.42 | 221 | 318 | P | V |
| | * | 5845 | 104.04 | - | - | 87.35 | 33.99 | 12.12 | 29.42 | 221 | 318 | A | V |
| | | 5897.5 | 58.53 | -49.83 | 108.36 | 41.52 | 34.19 | 12.25 | 29.43 | 221 | 318 | P | V |
| | | 5925.5 | 57.02 | -31.18 | 88.2 | 39.94 | 34.2 | 12.32 | 29.44 | 221 | 318 | P | V |
| | 5896.75 | 48.68 | -40.23 | 88.91 | 31.67 | 34.19 | 12.25 | 29.43 | 221 | 318 | A | V | |
| | 5933.5 | 47.59 | -20.61 | 68.2 | 30.49 | 34.2 | 12.34 | 29.44 | 221 | 318 | A | V | |



| WIFI Ant. 3+4 | 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) | |
|------------------------------|------|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11a CH 173 5865MHz | | 5618.585 | 54.62 | -13.58 | 68.2 | 39.16 | 32.97 | 11.86 | 29.37 | 301 | 118 | P | H | |
| | | 5665.195 | 55.39 | -24.09 | 79.48 | 39.68 | 33.19 | 11.9 | 29.38 | 301 | 118 | P | H | |
| | | 5720.065 | 54.71 | -56.24 | 110.95 | 38.63 | 33.52 | 11.95 | 29.39 | 301 | 118 | P | H | |
| | | 5720.36 | 55.15 | -56.47 | 111.62 | 39.07 | 33.52 | 11.95 | 29.39 | 301 | 118 | P | H | |
| | * | 5865 | 114.67 | - | - | 97.86 | 34.06 | 12.17 | 29.42 | 301 | 118 | P | H | |
| | * | 5865 | 108.22 | - | - | 91.41 | 34.06 | 12.17 | 29.42 | 301 | 118 | A | H | |
| | | 5895 | 72.84 | -37.36 | 110.2 | 55.85 | 34.18 | 12.24 | 29.43 | 301 | 118 | P | H | |
| | | 5928 | 57.89 | -30.31 | 88.2 | 40.81 | 34.2 | 12.32 | 29.44 | 301 | 118 | P | H | |
| | | 5895.25 | 60.32 | -29.7 | 90.02 | 43.33 | 34.18 | 12.24 | 29.43 | 301 | 118 | A | H | |
| | | 5925.5 | 49.12 | -19.08 | 68.2 | 32.04 | 34.2 | 12.32 | 29.44 | 301 | 118 | A | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 5614.75 | 54.75 | -13.45 | 68.2 | 39.3 | 32.96 | 11.86 | 29.37 | 102 | 308 | P | V |
| | | | 5689.975 | 56.01 | -41.8 | 97.81 | 40.14 | 33.34 | 11.92 | 29.39 | 102 | 308 | P | V |
| | | | 5700.595 | 54.53 | -50.84 | 105.37 | 38.59 | 33.4 | 11.93 | 29.39 | 102 | 308 | P | V |
| | | | 5720.36 | 53.58 | -58.04 | 111.62 | 37.5 | 33.52 | 11.95 | 29.39 | 102 | 308 | P | V |
| | * | | 5865 | 110.07 | - | - | 93.26 | 34.06 | 12.17 | 29.42 | 102 | 308 | P | V |
| | * | | 5865 | 103.71 | - | - | 86.9 | 34.06 | 12.17 | 29.42 | 102 | 308 | A | V |
| | | | 5897 | 63.72 | -45.01 | 108.73 | 46.71 | 34.19 | 12.25 | 29.43 | 102 | 308 | P | V |
| | | | 5963.75 | 56.45 | -31.75 | 88.2 | 39.33 | 34.15 | 12.41 | 29.44 | 102 | 308 | P | V |
| | | 5897.5 | 54.37 | -33.99 | 88.36 | 37.36 | 34.19 | 12.25 | 29.43 | 102 | 308 | A | V | |
| | | 5928.25 | 47.84 | -20.36 | 68.2 | 30.76 | 34.2 | 12.32 | 29.44 | 102 | 308 | A | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |



| WIFI Ant. 3+4 | 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) |
|------------------------------|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a CH 177 5885MHz | | 5618.29 | 53.96 | -14.24 | 68.2 | 38.5 | 32.97 | 11.86 | 29.37 | 332 | 62 | P | H |
| | | 5693.81 | 55.63 | -45.01 | 100.64 | 39.73 | 33.36 | 11.93 | 29.39 | 332 | 62 | P | H |
| | | 5712.69 | 54.93 | -53.83 | 108.76 | 38.9 | 33.48 | 11.94 | 29.39 | 332 | 62 | P | H |
| | | 5724.195 | 54.39 | -65.97 | 120.36 | 38.28 | 33.55 | 11.95 | 29.39 | 332 | 62 | P | H |
| | * | 5885 | 112.76 | - | - | 95.83 | 34.14 | 12.22 | 29.43 | 332 | 62 | P | H |
| | * | 5885 | 106.36 | - | - | 89.43 | 34.14 | 12.22 | 29.43 | 332 | 62 | A | H |
| | | 5895 | 93.26 | -16.94 | 110.2 | 76.27 | 34.18 | 12.24 | 29.43 | 332 | 62 | P | H |
| | | 5925 | 62.78 | -25.42 | 88.2 | 45.7 | 34.2 | 12.32 | 29.44 | 332 | 62 | P | H |
| | | 5895 | 85.9 | -4.3 | 90.2 | 68.91 | 34.18 | 12.24 | 29.43 | 332 | 62 | A | H |
| | | 5925 | 54.99 | -13.21 | 68.2 | 37.91 | 34.2 | 12.32 | 29.44 | 332 | 62 | A | H |
| | | 5614.455 | 54.28 | -13.92 | 68.2 | 38.83 | 32.96 | 11.86 | 29.37 | 231 | 57 | P | V |
| | | 5663.13 | 54.73 | -23.22 | 77.95 | 39.03 | 33.18 | 11.9 | 29.38 | 231 | 57 | P | V |
| | | 5702.365 | 53.74 | -52.12 | 105.86 | 37.79 | 33.41 | 11.93 | 29.39 | 231 | 57 | P | V |
| | | 5720.655 | 54.33 | -57.96 | 112.29 | 38.25 | 33.52 | 11.95 | 29.39 | 231 | 57 | P | V |
| | * | 5885 | 108.17 | - | - | 91.24 | 34.14 | 12.22 | 29.43 | 231 | 57 | P | V |
| | * | 5885 | 101.32 | - | - | 84.39 | 34.14 | 12.22 | 29.43 | 231 | 57 | A | V |
| | | 5895.25 | 87.95 | -22.07 | 110.02 | 70.96 | 34.18 | 12.24 | 29.43 | 231 | 57 | P | V |
| | | 5925.5 | 60.39 | -27.81 | 88.2 | 43.31 | 34.2 | 12.32 | 29.44 | 231 | 57 | P | V |
| | | 5895 | 81.58 | -8.62 | 90.2 | 64.59 | 34.18 | 12.24 | 29.43 | 231 | 57 | A | V |
| | | 5925 | 51.11 | -17.09 | 68.2 | 34.03 | 34.2 | 12.32 | 29.44 | 231 | 57 | A | V |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



| WIFI Ant. 3+4 | 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) |
|------------------------------|------|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a CH 173 5865MHz | | 11730 | 47.18 | -26.82 | 74 | 56.7 | 38.7 | 17.67 | 65.89 | - | - | P | H |
| | | 17595 | 50.08 | -18.12 | 68.2 | 53.85 | 39.38 | 22.11 | 65.26 | - | - | P | H |
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| | | | | | | | | | | | | | H |
| | | | 11730 | 47.84 | -26.16 | 74 | 57.36 | 38.7 | 17.67 | 65.89 | - | - | P |
| | | 17595 | 50.26 | -17.94 | 68.2 | 54.03 | 39.38 | 22.11 | 65.26 | - | - | P | V |
| | | | | | | | | | | | | | V |
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| WiFi Ant. 3+4 | 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) |
|------------------------------|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11a CH 177 5885MHz | | 11770 | 46.51 | -27.49 | 74 | 56.06 | 38.66 | 17.7 | 65.91 | - | - | P | H |
| | | 17655 | 50.59 | -17.61 | 68.2 | 54.14 | 39.54 | 22.14 | 65.23 | - | - | P | H |
| | | | | | | | | | | | | | H |
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| | | | | | | | | | | | | | H |
| | | | 11770 | 47.31 | -26.69 | 74 | 56.86 | 38.66 | 17.7 | 65.91 | - | - | P |
| | | 17655 | 50.29 | -17.91 | 68.2 | 53.84 | 39.54 | 22.14 | 65.23 | - | - | P | V |
| | | | | | | | | | | | | | V |
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| 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. | | | | | | | | | | | | |



WIFI 802.11be (EHT20)_Full (Band Edge @ 3m)

| WIFI Ant. 3+4 | 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) |
|--------------------------------------|------|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11be (EHT20) Full CH 169 5845MHz | | 5635.99 | 54.31 | -13.89 | 68.2 | 38.77 | 33.04 | 11.88 | 29.38 | 298 | 116 | P | H |
| | | 5671.095 | 54.06 | -29.79 | 83.85 | 38.3 | 33.23 | 11.91 | 29.38 | 298 | 116 | P | H |
| | | 5718.295 | 54.1 | -56.22 | 110.32 | 38.04 | 33.51 | 11.94 | 29.39 | 298 | 116 | P | H |
| | | 5722.13 | 54.53 | -61.13 | 115.66 | 38.44 | 33.53 | 11.95 | 29.39 | 298 | 116 | P | H |
| | * | 5845 | 113.28 | - | - | 96.59 | 33.99 | 12.12 | 29.42 | 298 | 116 | P | H |
| | * | 5845 | 106.42 | - | - | 89.73 | 33.99 | 12.12 | 29.42 | 298 | 116 | A | H |
| | | 5896.25 | 64.16 | -45.12 | 109.28 | 47.15 | 34.19 | 12.25 | 29.43 | 298 | 116 | P | H |
| | | 5971 | 57.34 | -30.86 | 88.2 | 40.23 | 34.12 | 12.43 | 29.44 | 298 | 116 | P | H |
| | | 5895 | 52.25 | -37.95 | 90.2 | 35.26 | 34.18 | 12.24 | 29.43 | 298 | 116 | A | H |
| | | 5925.25 | 48.15 | -20.05 | 68.2 | 31.07 | 34.2 | 12.32 | 29.44 | 298 | 116 | A | H |
| | | 5645.135 | 54.68 | -13.52 | 68.2 | 39.09 | 33.08 | 11.89 | 29.38 | 203 | 320 | P | V |
| | | 5651.035 | 55.16 | -13.81 | 68.97 | 39.54 | 33.11 | 11.89 | 29.38 | 203 | 320 | P | V |
| | | 5714.755 | 55.54 | -53.79 | 109.33 | 39.5 | 33.49 | 11.94 | 29.39 | 203 | 320 | P | V |
| | | 5722.72 | 56.15 | -60.85 | 117 | 40.05 | 33.54 | 11.95 | 29.39 | 203 | 320 | P | V |
| | * | 5845 | 109.22 | - | - | 92.53 | 33.99 | 12.12 | 29.42 | 203 | 320 | P | V |
| | * | 5845 | 101.55 | - | - | 84.86 | 33.99 | 12.12 | 29.42 | 203 | 320 | A | V |
| | | 5902.5 | 60.32 | -44.37 | 104.69 | 43.29 | 34.2 | 12.26 | 29.43 | 203 | 320 | P | V |
| | | 5943 | 56.8 | -31.4 | 88.2 | 39.68 | 34.2 | 12.36 | 29.44 | 203 | 320 | P | V |
| | | 5895 | 50.62 | -39.58 | 90.2 | 33.63 | 34.18 | 12.24 | 29.43 | 203 | 320 | A | V |
| | | 5925 | 47.88 | -20.32 | 68.2 | 30.8 | 34.2 | 12.32 | 29.44 | 203 | 320 | A | V |



| WiFi Ant. 3+4 | 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) | |
|--------------------------------------|------|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| | | 5639.53 | 55.59 | -12.61 | 68.2 | 40.03 | 33.06 | 11.88 | 29.38 | 297 | 121 | P | H | |
| | | 5672.275 | 54.81 | -29.91 | 84.72 | 39.05 | 33.23 | 11.91 | 29.38 | 297 | 121 | P | H | |
| | | 5716.23 | 54.56 | -55.19 | 109.75 | 38.51 | 33.5 | 11.94 | 29.39 | 297 | 121 | P | H | |
| | | 5722.425 | 55.44 | -60.89 | 116.33 | 39.35 | 33.53 | 11.95 | 29.39 | 297 | 121 | P | H | |
| | * | 5865 | 112.44 | - | - | 95.63 | 34.06 | 12.17 | 29.42 | 297 | 121 | P | H | |
| | * | 5865 | 106.43 | - | - | 89.62 | 34.06 | 12.17 | 29.42 | 297 | 121 | A | H | |
| | | 5895.75 | 74.29 | -35.36 | 109.65 | 57.3 | 34.18 | 12.24 | 29.43 | 297 | 121 | P | H | |
| | | 5926.5 | 58.25 | -29.95 | 88.2 | 41.17 | 34.2 | 12.32 | 29.44 | 297 | 121 | P | H | |
| | | 5895 | 62.95 | -27.25 | 90.2 | 45.96 | 34.18 | 12.24 | 29.43 | 297 | 121 | A | H | |
| | | 5925.25 | 49.32 | -18.88 | 68.2 | 32.24 | 34.2 | 12.32 | 29.44 | 297 | 121 | A | H | |
| 802.11be (EHT20) Full CH 173 5865MHz | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 5649.855 | 53.83 | -14.37 | 68.2 | 38.22 | 33.1 | 11.89 | 29.38 | 206 | 315 | P | V |
| | | | 5690.27 | 55.23 | -42.8 | 98.03 | 39.36 | 33.34 | 11.92 | 29.39 | 206 | 315 | P | V |
| | | | 5712.1 | 54.11 | -54.48 | 108.59 | 38.09 | 33.47 | 11.94 | 29.39 | 206 | 315 | P | V |
| | | | 5723.9 | 53.05 | -66.64 | 119.69 | 36.95 | 33.54 | 11.95 | 29.39 | 206 | 315 | P | V |
| | | * | 5865 | 109.99 | - | - | 93.18 | 34.06 | 12.17 | 29.42 | 206 | 315 | P | V |
| | | * | 5865 | 102.41 | - | - | 85.6 | 34.06 | 12.17 | 29.42 | 206 | 315 | A | V |
| | | | 5896.5 | 77.12 | -31.98 | 109.1 | 60.11 | 34.19 | 12.25 | 29.43 | 206 | 315 | P | V |
| | | | 5936 | 57.32 | -30.88 | 88.2 | 40.22 | 34.2 | 12.34 | 29.44 | 206 | 315 | P | V |
| | | | 5896 | 58.72 | -30.74 | 89.46 | 41.72 | 34.18 | 12.25 | 29.43 | 206 | 315 | A | V |
| | | | 5926 | 48.12 | -20.08 | 68.2 | 31.04 | 34.2 | 12.32 | 29.44 | 206 | 315 | A | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |



| WiFi Ant. 3+4 | 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) |
|--------------------------------------|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11be (EHT20) Full CH 177 5885MHz | | 5637.465 | 54.06 | -14.14 | 68.2 | 38.51 | 33.05 | 11.88 | 29.38 | 357 | 64 | P | H |
| | | 5683.485 | 54.67 | -38.34 | 93.01 | 38.84 | 33.3 | 11.92 | 29.39 | 357 | 64 | P | H |
| | | 5709.15 | 54.81 | -52.95 | 107.76 | 38.81 | 33.45 | 11.94 | 29.39 | 357 | 64 | P | H |
| | | 5721.54 | 54.81 | -59.5 | 114.31 | 38.72 | 33.53 | 11.95 | 29.39 | 357 | 64 | P | H |
| | * | 5885 | 112.04 | - | - | 95.11 | 34.14 | 12.22 | 29.43 | 357 | 64 | P | H |
| | * | 5885 | 105.74 | - | - | 88.81 | 34.14 | 12.22 | 29.43 | 357 | 64 | A | H |
| | | 5895 | 92.54 | -17.66 | 110.2 | 75.55 | 34.18 | 12.24 | 29.43 | 357 | 64 | P | H |
| | | 5925 | 68.86 | -19.34 | 88.2 | 51.78 | 34.2 | 12.32 | 29.44 | 357 | 64 | P | H |
| | | 5895 | 84.54 | -5.66 | 90.2 | 67.55 | 34.18 | 12.24 | 29.43 | 357 | 64 | A | H |
| | | 5925 | 56.41 | -11.79 | 68.2 | 39.33 | 34.2 | 12.32 | 29.44 | 357 | 64 | A | H |
| | | 5647.2 | 54.44 | -13.76 | 68.2 | 38.84 | 33.09 | 11.89 | 29.38 | 113 | 316 | P | V |
| | | 5677.585 | 53.99 | -34.66 | 88.65 | 38.2 | 33.27 | 11.91 | 29.39 | 113 | 316 | P | V |
| | | 5715.935 | 56.79 | -52.87 | 109.66 | 40.74 | 33.5 | 11.94 | 29.39 | 113 | 316 | P | V |
| | | 5721.54 | 53.87 | -60.44 | 114.31 | 37.78 | 33.53 | 11.95 | 29.39 | 113 | 316 | P | V |
| | * | 5885 | 108.58 | - | - | 91.65 | 34.14 | 12.22 | 29.43 | 113 | 316 | P | V |
| | * | 5885 | 102.04 | - | - | 85.11 | 34.14 | 12.22 | 29.43 | 113 | 316 | A | V |
| | | 5895 | 86.62 | -23.58 | 110.2 | 69.63 | 34.18 | 12.24 | 29.43 | 113 | 316 | P | V |
| | | 5928.75 | 63.31 | -24.89 | 88.2 | 46.22 | 34.2 | 12.33 | 29.44 | 113 | 316 | P | V |
| | | 5895 | 78.36 | -11.84 | 90.2 | 61.37 | 34.18 | 12.24 | 29.43 | 113 | 316 | A | V |
| | 5926.25 | 53.83 | -14.37 | 68.2 | 36.75 | 34.2 | 12.32 | 29.44 | 113 | 316 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



| WiFi Ant. 3+4 | 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) |
|--------------------------------------|------|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11be (EHT20) Full CH 173 5865MHz | | 11730 | 46.81 | -27.19 | 74 | 56.33 | 38.7 | 17.67 | 65.89 | - | - | P | H |
| | | 17595 | 50.62 | -17.58 | 68.2 | 54.39 | 39.38 | 22.11 | 65.26 | - | - | P | H |
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| | | | 11730 | 47.57 | -26.43 | 74 | 57.09 | 38.7 | 17.67 | 65.89 | - | - | P |
| | | 17595 | 49.69 | -18.51 | 68.2 | 53.46 | 39.38 | 22.11 | 65.26 | - | - | P | V |
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| WIFI Ant. 3+4 | 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) |
|--------------------------------------|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11be (EHT20) Full CH 177 5885MHz | | 11770 | 47.11 | -26.89 | 74 | 56.66 | 38.66 | 17.7 | 65.91 | - | - | P | H |
| | | 17655 | 50.96 | -17.24 | 68.2 | 54.51 | 39.54 | 22.14 | 65.23 | - | - | P | H |
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| | | | 11770 | 47.21 | -26.79 | 74 | 56.76 | 38.66 | 17.7 | 65.91 | - | - | P |
| | | 17655 | 50.17 | -18.03 | 68.2 | 53.72 | 39.54 | 22.14 | 65.23 | - | - | P | V |
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| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. | | | | | | | | | | | | |
| | 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |
| | 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. | | | | | | | | | | | | |



WIFI 802.11be (EHT20)_Partial 26 (Band Edge @ 3m)

| WIFI Ant. 3+4 | 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) |
|---|------|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11be (EHT20) Partial 26/0 CH 169 5845MHz | | 5605.605 | 56.36 | -11.84 | 68.2 | 40.96 | 32.92 | 11.85 | 29.37 | 302 | 60 | P | H |
| | | 5650.15 | 56.21 | -12.1 | 68.31 | 40.6 | 33.1 | 11.89 | 29.38 | 302 | 60 | P | H |
| | | 5717.115 | 56.2 | -53.79 | 109.99 | 40.15 | 33.5 | 11.94 | 29.39 | 302 | 60 | P | H |
| | | 5724.785 | 55.71 | -66 | 121.71 | 39.6 | 33.55 | 11.95 | 29.39 | 302 | 60 | P | H |
| | * | 5845 | 112.87 | - | - | 96.18 | 33.99 | 12.12 | 29.42 | 302 | 60 | P | H |
| | * | 5845 | 106.73 | - | - | 90.04 | 33.99 | 12.12 | 29.42 | 302 | 60 | A | H |
| | | 5907.5 | 57.76 | -43.26 | 101.02 | 40.72 | 34.2 | 12.27 | 29.43 | 302 | 60 | P | H |
| | | 5994.75 | 57.34 | -30.86 | 88.2 | 40.28 | 34.02 | 12.49 | 29.45 | 302 | 60 | P | H |
| | | 5906.75 | 47.74 | -33.83 | 81.57 | 30.7 | 34.2 | 12.27 | 29.43 | 302 | 60 | A | H |
| | | 5961.25 | 47.73 | -20.47 | 68.2 | 30.61 | 34.15 | 12.41 | 29.44 | 302 | 60 | A | H |
| | | 5634.515 | 56.54 | -11.66 | 68.2 | 41 | 33.04 | 11.88 | 29.38 | 215 | 350 | P | V |
| | | 5682.6 | 55.88 | -36.48 | 92.36 | 40.05 | 33.3 | 11.92 | 29.39 | 215 | 350 | P | V |
| | | 5711.51 | 57.18 | -51.25 | 108.43 | 41.16 | 33.47 | 11.94 | 29.39 | 215 | 350 | P | V |
| | | 5720.655 | 55.6 | -56.69 | 112.29 | 39.52 | 33.52 | 11.95 | 29.39 | 215 | 350 | P | V |
| | * | 5845 | 109.34 | - | - | 92.65 | 33.99 | 12.12 | 29.42 | 215 | 350 | P | V |
| | * | 5845 | 102.26 | - | - | 85.57 | 33.99 | 12.12 | 29.42 | 215 | 350 | A | V |
| | | 5908.25 | 57.6 | -42.87 | 100.47 | 40.55 | 34.2 | 12.28 | 29.43 | 215 | 350 | P | V |
| | | 5989.75 | 57.56 | -30.64 | 88.2 | 40.5 | 34.04 | 12.47 | 29.45 | 215 | 350 | P | V |
| | | 5920 | 47.63 | -24.23 | 71.86 | 30.56 | 34.2 | 12.3 | 29.43 | 215 | 350 | A | V |
| | | 5940.75 | 47.81 | -20.39 | 68.2 | 30.7 | 34.2 | 12.35 | 29.44 | 215 | 350 | A | V |



| WiFi Ant. 3+4 | 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) | |
|---|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11be (EHT20) Partial 26/8 CH 177 5885MHz | | 5635.105 | 55.94 | -12.26 | 68.2 | 40.4 | 33.04 | 11.88 | 29.38 | 394 | 122 | P | H | |
| | | 5657.23 | 55.57 | -18 | 73.57 | 39.91 | 33.14 | 11.9 | 29.38 | 394 | 122 | P | H | |
| | | 5713.28 | 55.25 | -53.67 | 108.92 | 39.22 | 33.48 | 11.94 | 29.39 | 394 | 122 | P | H | |
| | | 5723.605 | 55.26 | -63.76 | 119.02 | 39.16 | 33.54 | 11.95 | 29.39 | 394 | 122 | P | H | |
| | * | 5885 | 109.85 | - | - | 92.92 | 34.14 | 12.22 | 29.43 | 394 | 122 | P | H | |
| | * | 5885 | 103.03 | - | - | 86.1 | 34.14 | 12.22 | 29.43 | 394 | 122 | A | H | |
| | | 5895 | 84.17 | -26.03 | 110.2 | 67.18 | 34.18 | 12.24 | 29.43 | 394 | 122 | P | H | |
| | | 5992.75 | 57.51 | -30.69 | 88.2 | 40.45 | 34.03 | 12.48 | 29.45 | 394 | 122 | P | H | |
| | | 5895 | 76.58 | -13.62 | 90.2 | 59.59 | 34.18 | 12.24 | 29.43 | 394 | 122 | A | H | |
| | | 5925.25 | 47.15 | -21.05 | 68.2 | 30.07 | 34.2 | 12.32 | 29.44 | 394 | 122 | A | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 5633.63 | 55.96 | -12.24 | 68.2 | 40.43 | 33.03 | 11.88 | 29.38 | 246 | 347 | P | V |
| | | | 5653.985 | 56.05 | -15.11 | 71.16 | 40.42 | 33.12 | 11.89 | 29.38 | 246 | 347 | P | V |
| | | | 5704.43 | 55.57 | -50.87 | 106.44 | 39.6 | 33.43 | 11.93 | 29.39 | 246 | 347 | P | V |
| | | | 5722.425 | 55.62 | -60.71 | 116.33 | 39.53 | 33.53 | 11.95 | 29.39 | 246 | 347 | P | V |
| | * | | 5885 | 110.5 | - | - | 93.57 | 34.14 | 12.22 | 29.43 | 246 | 347 | P | V |
| | * | | 5885 | 101.68 | - | - | 84.75 | 34.14 | 12.22 | 29.43 | 246 | 347 | A | V |
| | | | 5895 | 82.54 | -27.66 | 110.2 | 65.55 | 34.18 | 12.24 | 29.43 | 246 | 347 | P | V |
| | | | 5934.5 | 57.54 | -30.66 | 88.2 | 40.44 | 34.2 | 12.34 | 29.44 | 246 | 347 | P | V |
| | | 5895 | 72.11 | -18.09 | 90.2 | 55.12 | 34.18 | 12.24 | 29.43 | 246 | 347 | A | V | |
| | | 5925.5 | 47.1 | -21.1 | 68.2 | 30.02 | 34.2 | 12.32 | 29.44 | 246 | 347 | A | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



WIFI 802.11be (EHT20)_Partial 52 (Band Edge @ 3m)

| WIFI Ant. 3+4 | 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) |
|--|---------|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11be (EHT20) Partial 52/37 CH 169 5845MHz | | 5615.045 | 56.01 | -12.19 | 68.2 | 40.56 | 32.96 | 11.86 | 29.37 | 307 | 60 | P | H |
| | | 5677.585 | 56.32 | -32.33 | 88.65 | 40.53 | 33.27 | 11.91 | 29.39 | 307 | 60 | P | H |
| | | 5702.955 | 56.36 | -49.67 | 106.03 | 40.4 | 33.42 | 11.93 | 29.39 | 307 | 60 | P | H |
| | | 5723.605 | 55.94 | -63.08 | 119.02 | 39.84 | 33.54 | 11.95 | 29.39 | 307 | 60 | P | H |
| | * | 5835 | 113.61 | - | - | 96.96 | 33.97 | 12.1 | 29.42 | 307 | 60 | P | H |
| | * | 5835 | 106.2 | - | - | 89.55 | 33.97 | 12.1 | 29.42 | 307 | 60 | A | H |
| | | 5904.25 | 57.37 | -46.03 | 103.4 | 40.33 | 34.2 | 12.27 | 29.43 | 307 | 60 | P | H |
| | | 5929.25 | 57.44 | -30.76 | 88.2 | 40.35 | 34.2 | 12.33 | 29.44 | 307 | 60 | P | H |
| | | 5913.25 | 47.92 | -28.88 | 76.8 | 30.86 | 34.2 | 12.29 | 29.43 | 307 | 60 | A | H |
| | | 5945.75 | 48.06 | -20.14 | 68.2 | 30.93 | 34.2 | 12.37 | 29.44 | 307 | 60 | A | H |
| | | 5608.26 | 56.53 | -11.67 | 68.2 | 41.11 | 32.93 | 11.86 | 29.37 | 233 | 313 | P | V |
| | | 5666.375 | 56.4 | -23.95 | 80.35 | 40.68 | 33.2 | 11.9 | 29.38 | 233 | 313 | P | V |
| | | 5702.66 | 56.08 | -49.87 | 105.95 | 40.12 | 33.42 | 11.93 | 29.39 | 233 | 313 | P | V |
| | | 5722.425 | 56.61 | -59.72 | 116.33 | 40.52 | 33.53 | 11.95 | 29.39 | 233 | 313 | P | V |
| | * | 5835 | 109.08 | - | - | 92.43 | 33.97 | 12.1 | 29.42 | 233 | 313 | P | V |
| | * | 5835 | 101.86 | - | - | 85.21 | 33.97 | 12.1 | 29.42 | 233 | 313 | A | V |
| | | 5911 | 57.5 | -40.95 | 98.45 | 40.45 | 34.2 | 12.28 | 29.43 | 233 | 313 | P | V |
| | | 5972.75 | 58.69 | -29.51 | 88.2 | 41.59 | 34.11 | 12.43 | 29.44 | 233 | 313 | P | V |
| | 5915.25 | 47.72 | -27.62 | 75.34 | 30.66 | 34.2 | 12.29 | 29.43 | 233 | 313 | A | V | |
| | 5947.75 | 47.98 | -20.22 | 68.2 | 30.85 | 34.2 | 12.37 | 29.44 | 233 | 313 | A | V | |



| WIFI Ant. 3+4 | 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) |
|---|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11be (EHT20) Partial 52/40 CH 177 5885MHz | | 5641.3 | 55.36 | -12.84 | 68.2 | 39.79 | 33.07 | 11.88 | 29.38 | 307 | 64 | P | H |
| | | 5695.58 | 55.93 | -46.01 | 101.94 | 40.02 | 33.37 | 11.93 | 29.39 | 307 | 64 | P | H |
| | | 5719.18 | 56.23 | -54.34 | 110.57 | 40.15 | 33.52 | 11.95 | 29.39 | 307 | 64 | P | H |
| | | 5722.13 | 55.92 | -59.74 | 115.66 | 39.83 | 33.53 | 11.95 | 29.39 | 307 | 64 | P | H |
| | * | 5885 | 114.67 | - | - | 97.74 | 34.14 | 12.22 | 29.43 | 307 | 64 | P | H |
| | * | 5885 | 106.64 | - | - | 89.71 | 34.14 | 12.22 | 29.43 | 307 | 64 | A | H |
| | | 5895 | 87.35 | -22.85 | 110.2 | 70.36 | 34.18 | 12.24 | 29.43 | 307 | 64 | P | H |
| | | 5965 | 58.14 | -30.06 | 88.2 | 41.03 | 34.14 | 12.41 | 29.44 | 307 | 64 | P | H |
| | | 5895 | 76.15 | -14.05 | 90.2 | 59.16 | 34.18 | 12.24 | 29.43 | 307 | 64 | A | H |
| | | 5949.25 | 48 | -20.2 | 68.2 | 30.86 | 34.2 | 12.38 | 29.44 | 307 | 64 | A | H |
| | | 5604.13 | 55.54 | -12.66 | 68.2 | 40.14 | 32.92 | 11.85 | 29.37 | 100 | 349 | P | V |
| | | 5686.435 | 55.63 | -39.56 | 95.19 | 39.78 | 33.32 | 11.92 | 29.39 | 100 | 349 | P | V |
| | | 5715.345 | 55.93 | -53.57 | 109.5 | 39.89 | 33.49 | 11.94 | 29.39 | 100 | 349 | P | V |
| | | 5722.425 | 55.9 | -60.43 | 116.33 | 39.81 | 33.53 | 11.95 | 29.39 | 100 | 349 | P | V |
| | * | 5885 | 110.75 | - | - | 93.82 | 34.14 | 12.22 | 29.43 | 100 | 349 | P | V |
| | * | 5885 | 101.81 | - | - | 84.88 | 34.14 | 12.22 | 29.43 | 100 | 349 | A | V |
| | | 5895 | 82.74 | -27.46 | 110.2 | 65.75 | 34.18 | 12.24 | 29.43 | 100 | 349 | P | V |
| | | 5945.75 | 57.72 | -30.48 | 88.2 | 40.59 | 34.2 | 12.37 | 29.44 | 100 | 349 | P | V |
| | 5895 | 71.25 | -18.95 | 90.2 | 54.26 | 34.18 | 12.24 | 29.43 | 100 | 349 | A | V | |
| | 5926.5 | 47.91 | -20.29 | 68.2 | 30.83 | 34.2 | 12.32 | 29.44 | 100 | 349 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



WIFI 802.11be (EHT20)_Partial 106 (Band Edge @ 3m)

| WIFI Ant. 3+4 | 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) |
|---|------|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11be (EHT20) Partial 106/53 CH 169 5845MHz | | 5644.545 | 55.84 | -12.36 | 68.2 | 40.25 | 33.08 | 11.89 | 29.38 | 300 | 59 | P | H |
| | | 5697.94 | 56.03 | -47.65 | 103.68 | 40.1 | 33.39 | 11.93 | 29.39 | 300 | 59 | P | H |
| | | 5705.61 | 55.79 | -50.98 | 106.77 | 39.82 | 33.43 | 11.93 | 29.39 | 300 | 59 | P | H |
| | | 5725.08 | 55.23 | -78.97 | 134.2 | 39.13 | 33.55 | 11.95 | 29.4 | 300 | 59 | P | H |
| | * | 5845 | 113.81 | - | - | 97.12 | 33.99 | 12.12 | 29.42 | 300 | 59 | P | H |
| | * | 5845 | 106.06 | - | - | 89.37 | 33.99 | 12.12 | 29.42 | 300 | 59 | A | H |
| | | 5904 | 58.96 | -44.63 | 103.59 | 41.93 | 34.2 | 12.26 | 29.43 | 300 | 59 | P | H |
| | | 5970 | 59.17 | -29.03 | 88.2 | 42.06 | 34.12 | 12.43 | 29.44 | 300 | 59 | P | H |
| | | 5917.25 | 47.27 | -26.6 | 73.87 | 30.2 | 34.2 | 12.3 | 29.43 | 300 | 59 | A | H |
| | | 5945 | 47.26 | -20.94 | 68.2 | 30.13 | 34.2 | 12.37 | 29.44 | 300 | 59 | A | H |
| | | 5609.44 | 55.77 | -12.43 | 68.2 | 40.34 | 32.94 | 11.86 | 29.37 | 203 | 316 | P | V |
| | | 5669.03 | 56.62 | -25.7 | 82.32 | 40.88 | 33.21 | 11.91 | 29.38 | 203 | 316 | P | V |
| | | 5705.315 | 55.29 | -51.4 | 106.69 | 39.32 | 33.43 | 11.93 | 29.39 | 203 | 316 | P | V |
| | | 5724.49 | 55.43 | -65.61 | 121.04 | 39.32 | 33.55 | 11.95 | 29.39 | 203 | 316 | P | V |
| | * | 5845 | 110.57 | - | - | 93.88 | 33.99 | 12.12 | 29.42 | 203 | 316 | P | V |
| | * | 5845 | 102.19 | - | - | 85.5 | 33.99 | 12.12 | 29.42 | 203 | 316 | A | V |
| | | 5913.25 | 57.33 | -39.47 | 96.8 | 40.27 | 34.2 | 12.29 | 29.43 | 203 | 316 | P | V |
| | | 5958.75 | 57.57 | -30.63 | 88.2 | 40.44 | 34.17 | 12.4 | 29.44 | 203 | 316 | P | V |
| | | 5919.25 | 47.19 | -25.22 | 72.41 | 30.12 | 34.2 | 12.3 | 29.43 | 203 | 316 | A | V |
| | | 5931.25 | 47.22 | -20.98 | 68.2 | 30.13 | 34.2 | 12.33 | 29.44 | 203 | 316 | A | V |



| WiFi Ant. 3+4 | 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) |
|--|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11be (EHT20) Partial 106/54 CH 177 5885MHz | | 5646.905 | 55.64 | -12.56 | 68.2 | 40.04 | 33.09 | 11.89 | 29.38 | 297 | 121 | P | H |
| | | 5699.71 | 57.21 | -47.78 | 104.99 | 41.27 | 33.4 | 11.93 | 29.39 | 297 | 121 | P | H |
| | | 5702.66 | 55.56 | -50.39 | 105.95 | 39.6 | 33.42 | 11.93 | 29.39 | 297 | 121 | P | H |
| | | 5722.425 | 56.61 | -59.72 | 116.33 | 40.52 | 33.53 | 11.95 | 29.39 | 297 | 121 | P | H |
| | * | 5885 | 115.13 | - | - | 98.2 | 34.14 | 12.22 | 29.43 | 297 | 121 | P | H |
| | * | 5885 | 106.49 | - | - | 89.56 | 34.14 | 12.22 | 29.43 | 297 | 121 | A | H |
| | | 5895 | 88.58 | -21.62 | 110.2 | 71.59 | 34.18 | 12.24 | 29.43 | 297 | 121 | P | H |
| | | 5929 | 59.18 | -29.02 | 88.2 | 42.09 | 34.2 | 12.33 | 29.44 | 297 | 121 | P | H |
| | | 5895 | 78.32 | -11.88 | 90.2 | 61.33 | 34.18 | 12.24 | 29.43 | 297 | 121 | A | H |
| | | 5926 | 48.43 | -19.77 | 68.2 | 31.35 | 34.2 | 12.32 | 29.44 | 297 | 121 | A | H |
| | | 5640.415 | 56.35 | -11.85 | 68.2 | 40.79 | 33.06 | 11.88 | 29.38 | 100 | 353 | P | V |
| | | 5674.635 | 56.22 | -30.25 | 86.47 | 40.44 | 33.25 | 11.91 | 29.38 | 100 | 353 | P | V |
| | | 5712.69 | 56.46 | -52.3 | 108.76 | 40.43 | 33.48 | 11.94 | 29.39 | 100 | 353 | P | V |
| | | 5723.31 | 55.51 | -62.84 | 118.35 | 39.41 | 33.54 | 11.95 | 29.39 | 100 | 353 | P | V |
| | * | 5885 | 108.01 | | | 91.08 | 34.14 | 12.22 | 29.43 | 100 | 353 | P | V |
| | * | 5885 | 100.68 | | | 83.75 | 34.14 | 12.22 | 29.43 | 100 | 353 | A | V |
| | | 5895 | 83.9 | -26.3 | 110.2 | 66.91 | 34.18 | 12.24 | 29.43 | 100 | 353 | P | V |
| | | 5936.25 | 57.89 | -30.31 | 88.2 | 40.79 | 34.2 | 12.34 | 29.44 | 100 | 353 | P | V |
| | 5895 | 72.44 | -17.76 | 90.2 | 55.45 | 34.18 | 12.24 | 29.43 | 100 | 353 | A | V | |
| | 5935.25 | 48 | -20.2 | 68.2 | 30.9 | 34.2 | 12.34 | 29.44 | 100 | 353 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



WIFI 802.11be (EHT40)_Full (Band Edge @ 3m)

| WIFI Ant. 3+4 | 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) | |
|--------------------------------------|------|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11be (EHT40) Full CH 167 5835MHz | | 5645.43 | 54.79 | -13.41 | 68.2 | 39.2 | 33.08 | 11.89 | 29.38 | 296 | 117 | P | H | |
| | | 5671.98 | 54.25 | -30.26 | 84.51 | 38.49 | 33.23 | 11.91 | 29.38 | 296 | 117 | P | H | |
| | | 5717.115 | 54.49 | -55.5 | 109.99 | 38.44 | 33.5 | 11.94 | 29.39 | 296 | 117 | P | H | |
| | | 5723.015 | 54.25 | -63.43 | 117.68 | 38.15 | 33.54 | 11.95 | 29.39 | 296 | 117 | P | H | |
| | * | 5835 | 110.26 | - | - | 93.61 | 33.97 | 12.1 | 29.42 | 296 | 117 | P | H | |
| | * | 5835 | 102.2 | - | - | 85.55 | 33.97 | 12.1 | 29.42 | 296 | 117 | A | H | |
| | | 5899.75 | 71.44 | -35.27 | 106.71 | 54.42 | 34.2 | 12.25 | 29.43 | 296 | 117 | P | H | |
| | | 5930.25 | 61.56 | -26.64 | 88.2 | 44.47 | 34.2 | 12.33 | 29.44 | 296 | 117 | P | H | |
| | | 5895 | 57.44 | -32.76 | 90.2 | 40.45 | 34.18 | 12.24 | 29.43 | 296 | 117 | A | H | |
| | | 5925 | 50.39 | -17.81 | 68.2 | 33.31 | 34.2 | 12.32 | 29.44 | 296 | 117 | A | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 5610.03 | 54.52 | -13.68 | 68.2 | 39.09 | 32.94 | 11.86 | 29.37 | 210 | 319 | P | V |
| | | | 5683.485 | 54.74 | -38.27 | 93.01 | 38.91 | 33.3 | 11.92 | 29.39 | 210 | 319 | P | V |
| | | | 5710.33 | 54.67 | -53.42 | 108.09 | 38.66 | 33.46 | 11.94 | 29.39 | 210 | 319 | P | V |
| | | | 5725.08 | 55.32 | -78.88 | 134.2 | 39.22 | 33.55 | 11.95 | 29.4 | 210 | 319 | P | V |
| | * | | 5835 | 105.42 | - | - | 88.77 | 33.97 | 12.1 | 29.42 | 210 | 319 | P | V |
| | * | | 5835 | 98.64 | - | - | 81.99 | 33.97 | 12.1 | 29.42 | 210 | 319 | A | V |
| | | | 5899.25 | 68.97 | -38.11 | 107.08 | 51.95 | 34.2 | 12.25 | 29.43 | 210 | 319 | P | V |
| | | | 5926 | 58.78 | -29.42 | 88.2 | 41.7 | 34.2 | 12.32 | 29.44 | 210 | 319 | P | V |
| | | 5895.5 | 55.52 | -34.31 | 89.83 | 38.53 | 34.18 | 12.24 | 29.43 | 210 | 319 | A | V | |
| | | 5925 | 49.02 | -19.18 | 68.2 | 31.94 | 34.2 | 12.32 | 29.44 | 210 | 319 | A | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |



| WiFi Ant. 3+4 | 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) | |
|--------------------------------------|--------|--|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| | | 5628.32 | 56.62 | -11.58 | 68.2 | 41.12 | 33.01 | 11.87 | 29.38 | 297 | 121 | P | H | |
| | | 5662.835 | 54.31 | -23.42 | 77.73 | 38.61 | 33.18 | 11.9 | 29.38 | 297 | 121 | P | H | |
| | | 5718.59 | 54.87 | -55.54 | 110.41 | 38.81 | 33.51 | 11.94 | 29.39 | 297 | 121 | P | H | |
| | | 5723.31 | 54.68 | -63.67 | 118.35 | 38.58 | 33.54 | 11.95 | 29.39 | 297 | 121 | P | H | |
| | * | 5875 | 109.54 | - | - | 92.68 | 34.1 | 12.19 | 29.43 | 297 | 121 | P | H | |
| | * | 5875 | 103.1 | - | - | 86.24 | 34.1 | 12.19 | 29.43 | 297 | 121 | A | H | |
| | | 5895 | 88.69 | -21.51 | 110.2 | 71.7 | 34.18 | 12.24 | 29.43 | 297 | 121 | P | H | |
| | | 5926.25 | 76.21 | -11.99 | 88.2 | 59.13 | 34.2 | 12.32 | 29.44 | 297 | 121 | P | H | |
| | | 5895 | 81.14 | -9.06 | 90.2 | 64.15 | 34.18 | 12.24 | 29.43 | 297 | 121 | A | H | |
| | | 5925 | 62.85 | -5.35 | 68.2 | 45.77 | 34.2 | 12.32 | 29.44 | 297 | 121 | A | H | |
| 802.11be (EHT40) Full CH 175 5875MHz | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | H | |
| | | | 5607.965 | 54.01 | -14.19 | 68.2 | 38.59 | 32.93 | 11.86 | 29.37 | 211 | 349 | P | V |
| | | | 5697.645 | 54.35 | -49.11 | 103.46 | 38.42 | 33.39 | 11.93 | 29.39 | 211 | 349 | P | V |
| | | | 5712.395 | 55.02 | -53.65 | 108.67 | 39 | 33.47 | 11.94 | 29.39 | 211 | 349 | P | V |
| | | | 5723.015 | 54.06 | -63.62 | 117.68 | 37.96 | 33.54 | 11.95 | 29.39 | 211 | 349 | P | V |
| | | * | 5875 | 105.17 | - | - | 88.31 | 34.1 | 12.19 | 29.43 | 211 | 349 | P | V |
| | | * | 5875 | 97.89 | - | - | 81.03 | 34.1 | 12.19 | 29.43 | 211 | 349 | A | V |
| | | | 5898.5 | 85.9 | -21.73 | 107.63 | 68.89 | 34.19 | 12.25 | 29.43 | 211 | 349 | P | V |
| | | | 5926.25 | 70.57 | -17.63 | 88.2 | 53.49 | 34.2 | 12.32 | 29.44 | 211 | 349 | P | V |
| | | | 5896 | 76.26 | -13.2 | 89.46 | 59.26 | 34.18 | 12.25 | 29.43 | 211 | 349 | A | V |
| | | | 5925.5 | 60.33 | -7.87 | 68.2 | 43.25 | 34.2 | 12.32 | 29.44 | 211 | 349 | A | V |
| | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | V |
| | Remark | 1. No other spurious found. | | | | | | | | | | | | |
| | | 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



WIFI 802.11be (EHT40)_Full (Harmonic @ 3m)

| WIFI Ant. 3+4 | 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) |
|--------------------------------------|------|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11be (EHT40) Full CH 167 5835MHz | | 11670 | 47.79 | -26.21 | 74 | 57.39 | 38.64 | 17.62 | 65.86 | - | - | P | H |
| | | 17505 | 49.63 | -18.57 | 68.2 | 54.04 | 38.84 | 22.07 | 65.32 | - | - | P | H |
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| | | | 11670 | 47.17 | -26.83 | 74 | 56.77 | 38.64 | 17.62 | 65.86 | - | - | P |
| | | 17505 | 49.9 | -18.3 | 68.2 | 54.31 | 38.84 | 22.07 | 65.32 | - | - | P | V |
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| WIFI Ant. 3+4 | 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) |
|--------------------------------------|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11be (EHT40) Full CH 175 5875MHz | | 11750 | 47.56 | -26.44 | 74 | 57.07 | 38.7 | 17.69 | 65.9 | - | - | P | H |
| | | 17625 | 49.93 | -18.27 | 68.2 | 53.59 | 39.45 | 22.13 | 65.24 | - | - | P | H |
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| | | | 11750 | 46.46 | -27.54 | 74 | 55.97 | 38.7 | 17.69 | 65.9 | - | - | P |
| | | 17625 | 50.27 | -17.93 | 68.2 | 53.93 | 39.45 | 22.13 | 65.24 | - | - | P | V |
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| | | | | | | | | | | | | | 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. | | | | | | | | | | | | |



WIFI 802.11be (EHT80)_Full (Band Edge @ 3m)

| WIFI Ant. 3+4 | 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) | |
|--------------------------------------|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11be (EHT80) Full CH 171 5855MHz | | 5624.78 | 54.9 | -13.3 | 68.2 | 39.4 | 33 | 11.87 | 29.37 | 298 | 118 | P | H | |
| | | 5691.45 | 56.09 | -42.81 | 98.9 | 40.21 | 33.35 | 11.92 | 29.39 | 298 | 118 | P | H | |
| | | 5715.345 | 56.55 | -52.95 | 109.5 | 40.51 | 33.49 | 11.94 | 29.39 | 298 | 118 | P | H | |
| | | 5722.72 | 55.98 | -61.02 | 117 | 39.88 | 33.54 | 11.95 | 29.39 | 298 | 118 | P | H | |
| | * | 5855 | 105.25 | | | 88.51 | 34.02 | 12.14 | 29.42 | 298 | 118 | P | H | |
| | * | 5855 | 98.77 | | | 82.03 | 34.02 | 12.14 | 29.42 | 298 | 118 | A | H | |
| | | 5895.25 | 80.51 | -29.51 | 110.02 | 63.52 | 34.18 | 12.24 | 29.43 | 298 | 118 | P | H | |
| | | 5930.5 | 74.93 | -13.27 | 88.2 | 57.84 | 34.2 | 12.33 | 29.44 | 298 | 118 | P | H | |
| | | 5895 | 74.96 | -15.24 | 90.2 | 57.97 | 34.18 | 12.24 | 29.43 | 298 | 118 | A | H | |
| | | 5925.25 | 65.93 | -2.27 | 68.2 | 48.85 | 34.2 | 12.32 | 29.44 | 298 | 118 | A | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 5603.835 | 55.27 | -12.93 | 68.2 | 39.87 | 32.92 | 11.85 | 29.37 | 191 | 315 | P | V |
| | | | 5698.825 | 55.06 | -49.27 | 104.33 | 39.13 | 33.39 | 11.93 | 29.39 | 191 | 315 | P | V |
| | | | 5717.41 | 55.79 | -54.29 | 110.08 | 39.74 | 33.5 | 11.94 | 29.39 | 191 | 315 | P | V |
| | | | 5724.195 | 54.18 | -66.18 | 120.36 | 38.07 | 33.55 | 11.95 | 29.39 | 191 | 315 | P | V |
| | * | | 5855 | 102.1 | | | 85.36 | 34.02 | 12.14 | 29.42 | 191 | 315 | P | V |
| | * | | 5855 | 94 | | | 77.26 | 34.02 | 12.14 | 29.42 | 191 | 315 | A | V |
| | | | 5898.75 | 75.44 | -32 | 107.44 | 58.43 | 34.19 | 12.25 | 29.43 | 191 | 315 | P | V |
| | | | 5926.5 | 70.35 | -17.85 | 88.2 | 53.27 | 34.2 | 12.32 | 29.44 | 191 | 315 | P | V |
| | | 5895 | 72.62 | -17.58 | 90.2 | 55.63 | 34.18 | 12.24 | 29.43 | 191 | 315 | A | V | |
| | | 5928.75 | 62.74 | -5.46 | 68.2 | 45.65 | 34.2 | 12.33 | 29.44 | 191 | 315 | A | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



WIFI 802.11be (EHT80)_Full (Harmonic @ 3m)

| WIFI Ant. 3+4 | 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) |
|--------------------------------------|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11be (EHT80) Full CH 171 5855MHz | | 11710 | 46.62 | -27.38 | 74 | 56.15 | 38.7 | 17.65 | 65.88 | - | - | P | H |
| | | 17565 | 50.34 | -17.86 | 68.2 | 54.26 | 39.26 | 22.1 | 65.28 | - | - | P | H |
| | | | | | | | | | | | | | H |
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| | | | | | | | | | | | | | H |
| | | | 11710 | 47.53 | -26.47 | 74 | 57.06 | 38.7 | 17.65 | 65.88 | - | - | P |
| | | 17565 | 49.63 | -18.57 | 68.2 | 53.55 | 39.26 | 22.1 | 65.28 | - | - | P | V |
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| | | | | | | | | | | | | | 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. | | | | | | | | | | | | |



WIFI 802.11be (EHT160) Full (Band Edge @ 3m)

| WIFI Ant. 3+4 | 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) |
|---------------------------------------|---|-------------------|------------------|---------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11be (EHT160) Full CH 163 5815MHz | | 5638.645 | 63.21 | -4.99 | 68.2 | 47.66 | 33.05 | 11.88 | 29.38 | 295 | 117 | P | H |
| | | 5698.825 | 74.07 | -30.26 | 104.33 | 58.14 | 33.39 | 11.93 | 29.39 | 295 | 117 | P | H |
| | | 5704.135 | 72.97 | -33.39 | 106.36 | 57.01 | 33.42 | 11.93 | 29.39 | 295 | 117 | P | H |
| | | 5722.72 | 65.71 | -51.29 | 117 | 49.61 | 33.54 | 11.95 | 29.39 | 295 | 117 | P | H |
| | * | 5815 | 102.67 | | | 86.1 | 33.93 | 12.05 | 29.41 | 295 | 117 | P | H |
| | * | 5815 | 92.94 | | | 76.37 | 33.93 | 12.05 | 29.41 | 295 | 117 | A | H |
| | | 5895 | 84.61 | -25.59 | 110.2 | 67.62 | 34.18 | 12.24 | 29.43 | 295 | 117 | P | H |
| | | 5944.25 | 75.52 | -12.68 | 88.2 | 58.4 | 34.2 | 12.36 | 29.44 | 295 | 117 | P | H |
| | | 5895 | 72.29 | -17.91 | 90.2 | 55.3 | 34.18 | 12.24 | 29.43 | 295 | 117 | A | H |
| | | 5938.5 | 65.22 | -2.98 | 68.2 | 48.11 | 34.2 | 12.35 | 29.44 | 295 | 117 | A | H |
| | | 5641.3 | 60.96 | -7.24 | 68.2 | 45.39 | 33.07 | 11.88 | 29.38 | 204 | 318 | P | V |
| | | 5692.63 | 66.97 | -32.8 | 99.77 | 51.08 | 33.36 | 11.92 | 29.39 | 204 | 318 | P | V |
| | | 5711.215 | 67.58 | -40.76 | 108.34 | 51.56 | 33.47 | 11.94 | 29.39 | 204 | 318 | P | V |
| | | 5720.95 | 65.59 | -47.38 | 112.97 | 49.5 | 33.53 | 11.95 | 29.39 | 204 | 318 | P | V |
| | * | 5815 | 97.74 | | | 81.17 | 33.93 | 12.05 | 29.41 | 204 | 318 | P | V |
| | * | 5815 | 89.05 | | | 72.48 | 33.93 | 12.05 | 29.41 | 204 | 318 | A | V |
| | | 5895 | 78.53 | -31.67 | 110.2 | 61.54 | 34.18 | 12.24 | 29.43 | 204 | 318 | P | V |
| | | 5951.5 | 72.8 | -15.4 | 88.2 | 55.67 | 34.19 | 12.38 | 29.44 | 204 | 318 | P | V |
| | | 5895 | 66.91 | -23.29 | 90.2 | 49.92 | 34.18 | 12.24 | 29.43 | 204 | 318 | A | V |
| | 5940.25 | 63.09 | -5.11 | 68.2 | 45.98 | 34.2 | 12.35 | 29.44 | 204 | 318 | A | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



WIFI 802.11be (EHT160) Full (Harmonic @ 3m)

| WIFI Ant. 3+4 | 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) |
|---------------------------------------|---|-------------------|------------------|---------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11be (EHT160) Full CH 163 5815MHz | | 11630 | 47.57 | -26.43 | 74 | 57.14 | 38.68 | 17.59 | 65.84 | - | - | P | H |
| | | 17445 | 49.41 | -18.79 | 68.2 | 54.05 | 38.7 | 22.04 | 65.38 | - | - | P | H |
| | | | | | | | | | | | | | H |
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| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | 11630 | 46.91 | -27.09 | 74 | 56.48 | 38.68 | 17.59 | 65.84 | - | - | P |
| | | 17445 | 49.39 | -18.81 | 68.2 | 54.03 | 38.7 | 22.04 | 65.38 | - | - | P | V |
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| 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. | | | | | | | | | | | | |



Emission above 18GHz

WIFI 802.11be EHT80 Full (SHF @ 1m)

| WIFI | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|-------------------------------|---|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant. | | | | | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| 3+4 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11be EHT80 Full SHF | | 39868 | 47.35 | -26.65 | 74 | 58.91 | 44.73 | -0.23 | 56.06 | - | - | P | H |
| | | | | | | | | | | | | | H |
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| | | | 36964 | 46.66 | -21.54 | 68.2 | 62.66 | 42.96 | -0.82 | 58.14 | - | - | P |
| | | | | | | | | | | | | | V |
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| | | | | | | | | | | | | | V |
| Remark | 1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. | | | | | | | | | | | | |



Emission below 1GHz

WIFI 802.11be EHT80 Full (LF @ 3m)

| WIFI | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. | |
|------------------------------|---|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|---|
| Ant. | | | | | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | | |
| 3+4 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) | |
| 802.11be EHT80 Full LF | 1 | 87.51 | 22.9 | -17.1 | 40 | 39.55 | 14.46 | 1.29 | 32.4 | - | - | P | H | |
| | 2 | 94.8 | 35.39 | -8.11 | 43.5 | 51.2 | 15.23 | 1.38 | 32.42 | - | - | P | H | |
| | 3 | 264.36 | 21.64 | -24.36 | 46 | 31.74 | 19.93 | 2.39 | 32.42 | - | - | P | H | |
| | 4 | 452.6 | 24.77 | -21.23 | 46 | 31.01 | 23.09 | 3.19 | 32.52 | - | - | P | H | |
| | 5 | 649.3 | 28.26 | -17.74 | 46 | 30.61 | 26.31 | 3.94 | 32.6 | - | - | P | H | |
| | 6 | 822.2 | 32.44 | -13.56 | 46 | 32.3 | 28.1 | 4.42 | 32.38 | - | - | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
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| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | 1 | 87.78 | 28.58 | -11.42 | 40 | 45.19 | 14.5 | 1.29 | 32.4 | - | - | P | V | |
| | 2 | 93.18 | 34.35 | -9.15 | 43.5 | 50.4 | 15 | 1.36 | 32.41 | - | - | P | V | |
| | 3 | 264.09 | 20.97 | -25.03 | 46 | 31.02 | 19.98 | 2.39 | 32.42 | - | - | P | V | |
| | 4 | 554.8 | 26.72 | -19.28 | 46 | 29.99 | 25.81 | 3.48 | 32.56 | - | - | P | V | |
| | 5 | 669.6 | 28.53 | -17.47 | 46 | 30.84 | 26.33 | 4.02 | 32.66 | - | - | P | V | |
| | 6 | 946.8 | 33.79 | -12.21 | 46 | 29.82 | 30.68 | 4.84 | 31.55 | - | - | P | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
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| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against limit line. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is 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 limit line. |
| P/A | Peak or Av |
| H/V | Horizontal or Vertical |



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

| WIFI | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant. | | | | | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| 3+4 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11a | | 5650 | 55.45 | -18.55 | 74 | 54.51 | 32.22 | 4.58 | 35.86 | 103 | 308 | P | H |
| CH 169 | | 5650 | 43.54 | -10.46 | 54 | 42.6 | 32.22 | 4.58 | 35.86 | 103 | 308 | A | H |
| 5845MHz | | | | | | | | | | | | | |

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 @ 5650MHz:

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)
= -18.55(dB)

For Average Limit @ 5650MHz:

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)
= -10.46(dB)

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



Appendix D. Radiated Spurious Emission Plots

| | | | |
|-----------------|-----------------------------------|---------------------|-------------|
| Test Engineer : | Bill Chang, Gary Guo and Steven W | Temperature : | 18.2~20.2°C |
| | | Relative Humidity : | 54.2% |

Note symbol

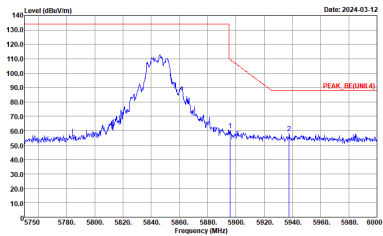
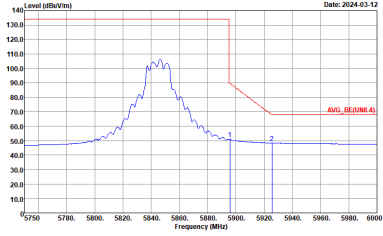
| | |
|----|-----------------------|
| -L | Low channel location |
| -R | High channel location |



UNII 4 - 5600~5950MHz
WIFI 802.11a (Band Edge @ 3m)

Table with 4 rows and 2 columns. Row 1: WIFI UNII 4 5600~5950MHz Band Edge @ 3m. Row 2: ANT 802.11a CH169 5845MHz. Row 3: 3+4 Horizontal Fundamental. Row 4: Peak (Horizontal plot, Fundamental plot), Avg (Left blank, Fundamental plot).

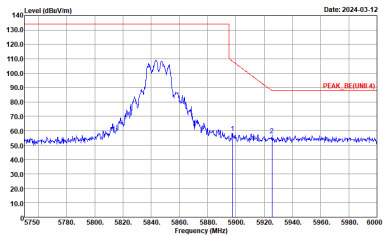
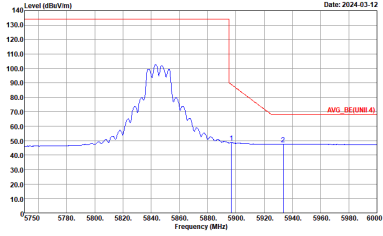


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|--|-------------------|
| ANT | 802.11a CH169 5845MHz | |
| 3+4 | Horizontal | Fundamental |
| <p>Peak</p> |  <p>Date: 2024-03-12</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p>Avg</p> |  <p>Date: 2024-03-12</p> <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | <p>Left blank</p> |

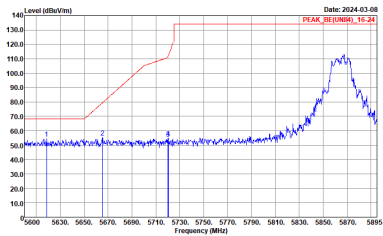
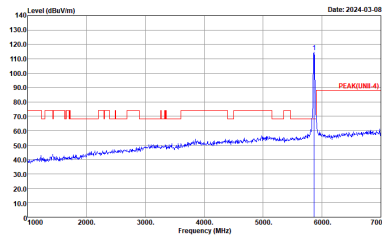
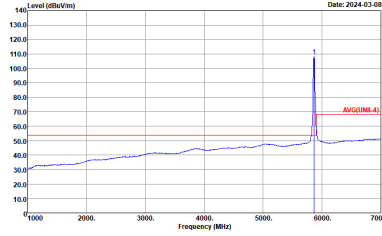


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11a CH169 5845MHz | |
| 3+4 | Vertical | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH16-HY Condition : PEAK(FUN16)_4 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank | <p>Site : 03CH16-HY Condition : AVG(FUN16)_4 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |

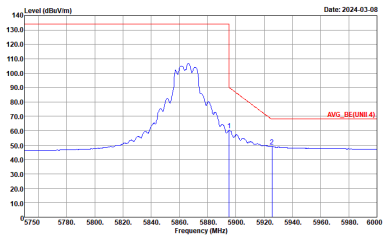
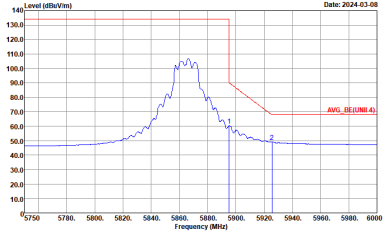


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11a CH169 5845MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.100KHz SWT:Auto</p> | Left blank |

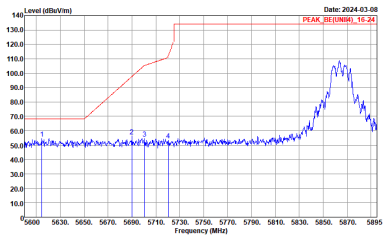
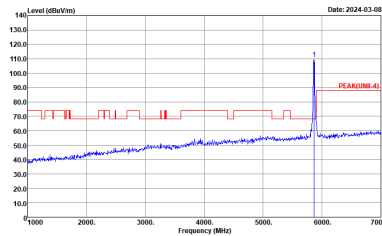
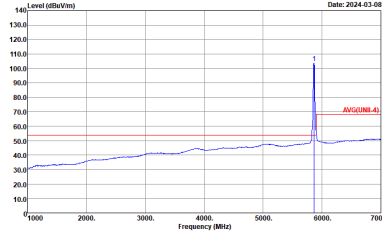


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11a CH173 5865MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_8C(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank | |
| | |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

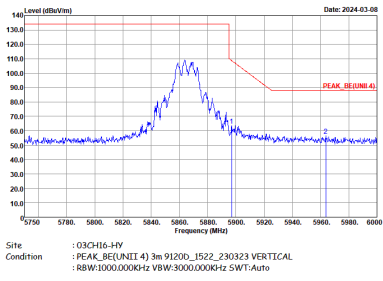
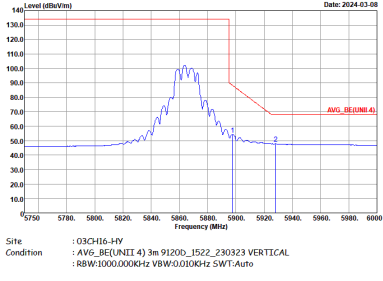


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|--|-------------------|
| ANT | 802.11a CH173 5865MHz | |
| 3+4 | Horizontal | Fundamental |
| <p>Peak</p> |  <p>Site : 03CH16-HY Condition : AVG_BE(UNII.4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | <p>Left blank</p> |
| <p>Avg</p> |  <p>Site : 03CH16-HY Condition : AVG_BE(UNII.4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | <p>Left blank</p> |

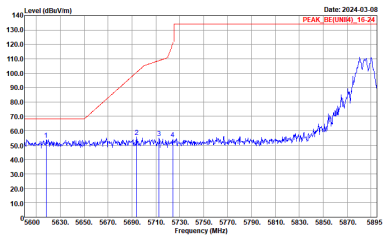
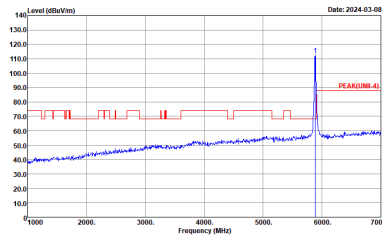
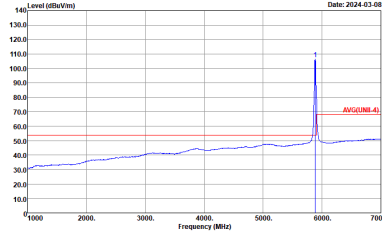


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11a CH173 5865MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_8C(UNII4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

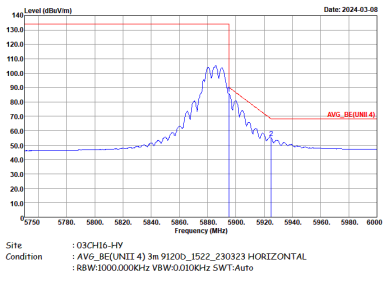
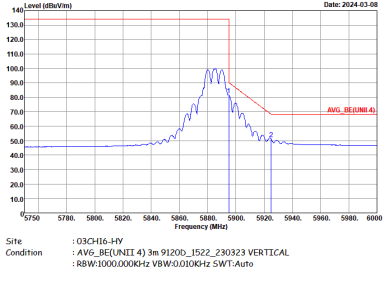


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11a CH173 5865MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | Left blank |

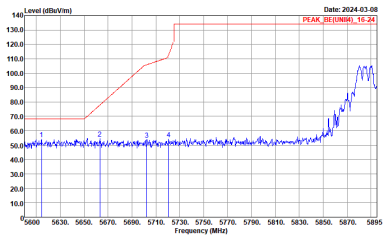
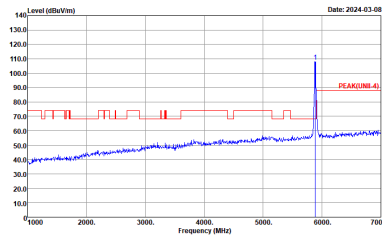
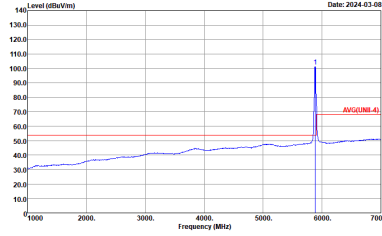


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11a CH177 5885MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_8C(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank | |
| | |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

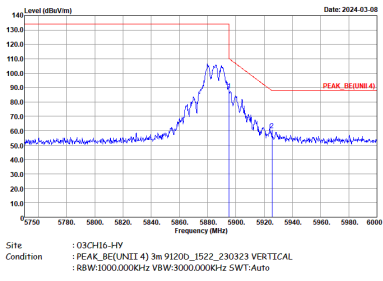
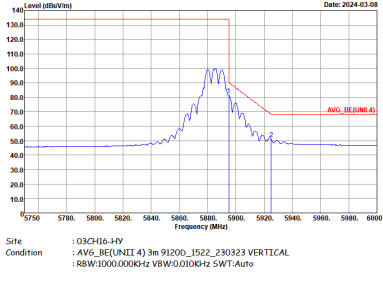


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11a CH177 5885MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | Left blank |



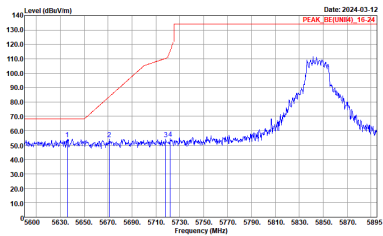
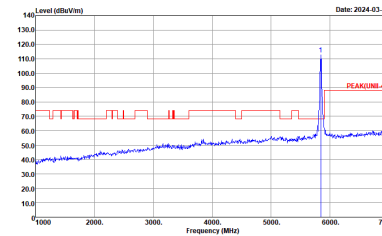
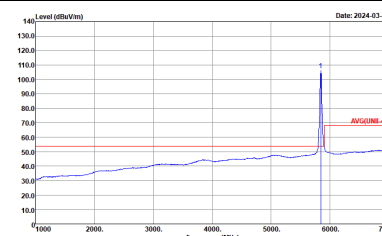
| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11a CH177 5885MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_86(UNII4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |



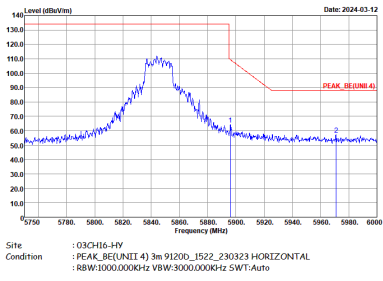
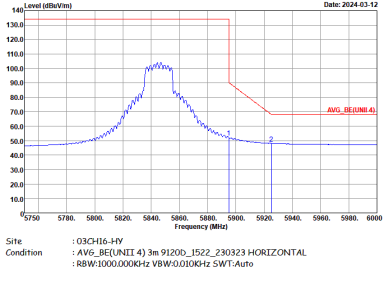
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11a CH177 5885MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : :PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : :AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL :RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> | Left blank |



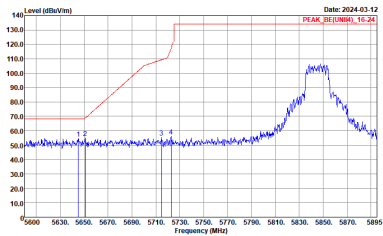
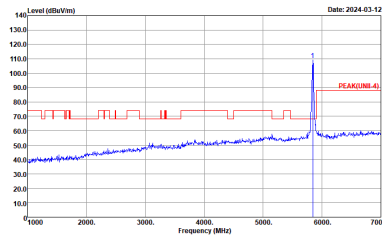
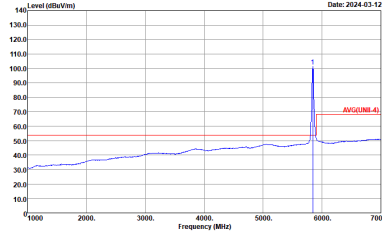
WIFI 802.11be (EHT20) Full (Band Edge @ 3m)

| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11be (EHT20) Full CH169 5845MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |



| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|---|-------------------|
| ANT | 802.11be (EHT20) Full CH169 5845MHz | |
| 3+4 | Horizontal | Fundamental |
| <p>Peak</p> |  | <p>Left blank</p> |
| <p>Avg</p> |  | <p>Left blank</p> |

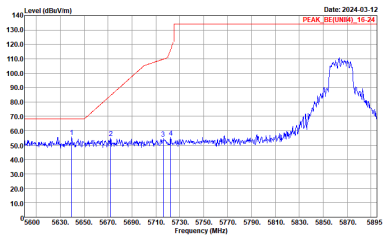
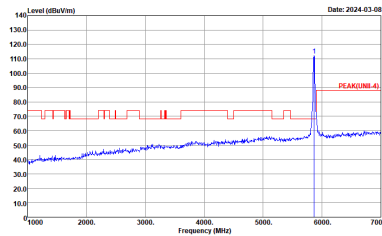
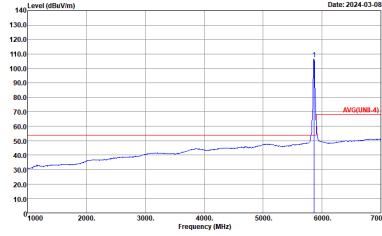


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Full CH169 5845MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_8E(LNII4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(LNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(LNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

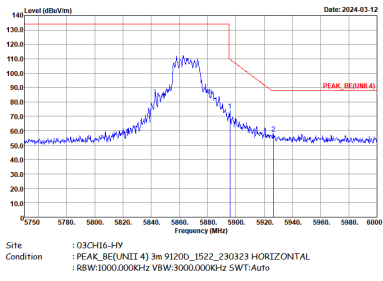
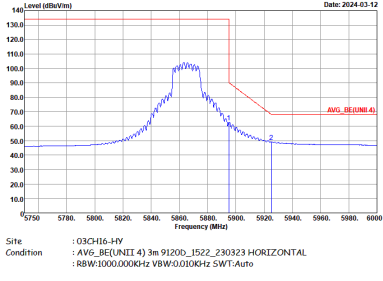


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11be (EHT20) Full CH169 5845MHz | |
| 3+4 | Vertical | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |
| Avg | <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.100KHz SWT:Auto</p> | Left blank |

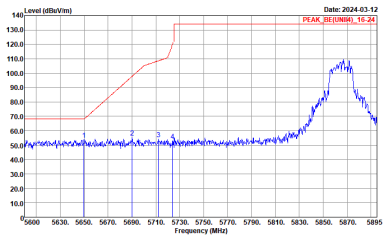
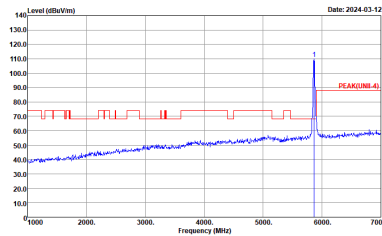
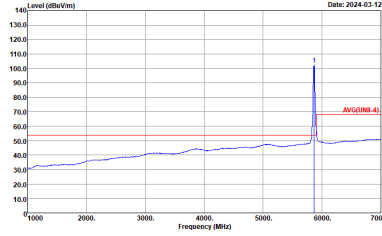


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Full CH173 5865MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BC(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank | |
| | |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

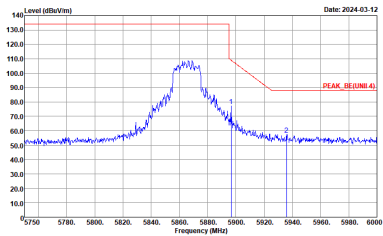
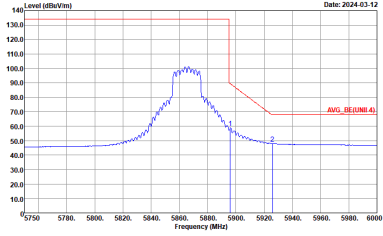


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|---|-------------------|
| ANT | 802.11be (EHT20) Full CH173 5865MHz | |
| 3+4 | Horizontal | Fundamental |
| <p>Peak</p> |  | <p>Left blank</p> |
| <p>Avg</p> |  | <p>Left blank</p> |

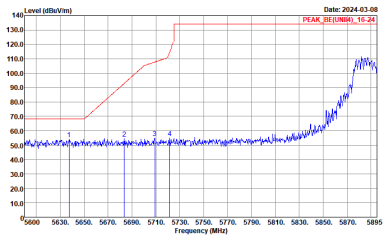
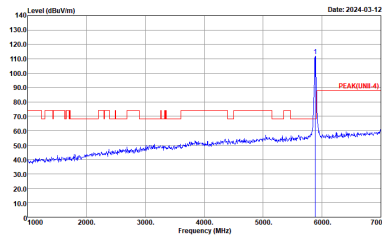
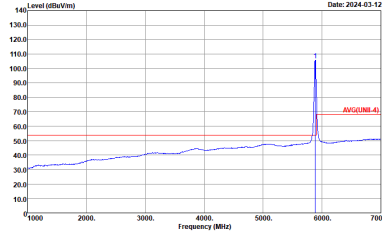


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Full CH173 5865MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_86(UNII4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

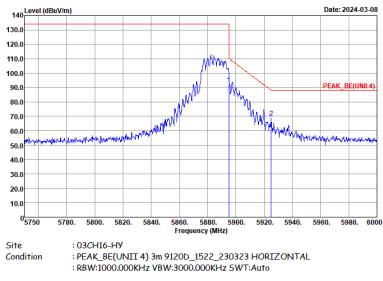
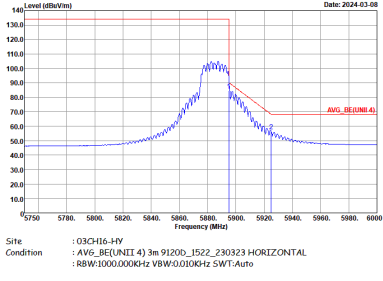


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|--|-------------------|
| ANT | 802.11be (EHT20) Full CH173 5865MHz | |
| 3+4 | Vertical | Fundamental |
| <p>Peak</p> |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p>Avg</p> |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.100KHz SWT:Auto</p> | <p>Left blank</p> |



| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Full CH177 5885MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_8E(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

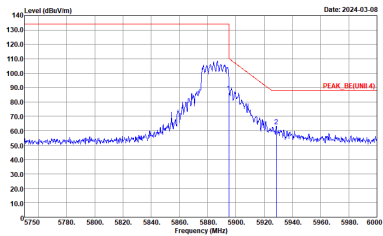
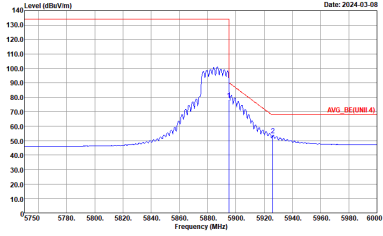


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11be (EHT20) Full CH177 5885MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000kHz VBW:0.100kHz SWT:Auto</p> | Left blank |



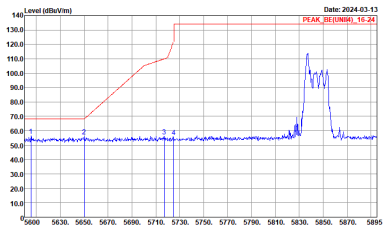
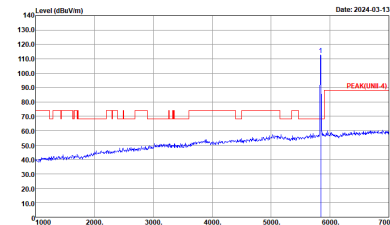
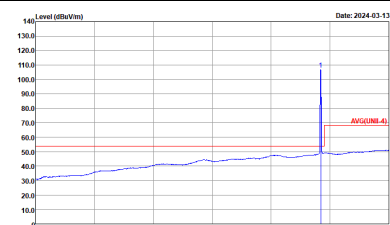
| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Full CH177 5885MHz | |
| 3+4 | Vertical | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE (UNII-4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH16-HY Condition : PEAK (UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank | <p>Site : 03CH16-HY Condition : AVG (UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |



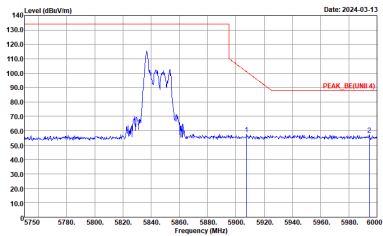
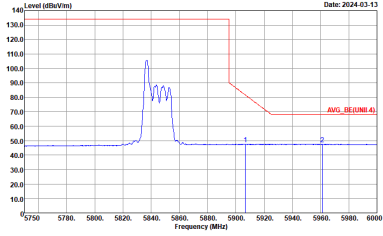
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|--|-------------------|
| ANT | 802.11be (EHT20) Full CH177 5885MHz | |
| 3+4 | Vertical | Fundamental |
| <p>Peak</p> |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p>Avg</p> |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.100KHz SWT:Auto</p> | <p>Left blank</p> |



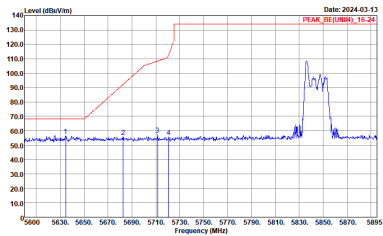
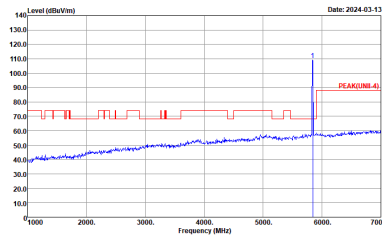
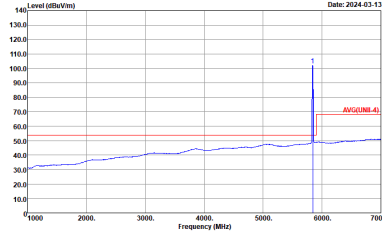
WIFI 802.11be (EHT20) Partial 26 (Band Edge @ 3m)

| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11be (EHT20) Partial 26/0 CH169 5845MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p> |



| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11be (EHT20) Partial 26/0 CH169 5845MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000kHz VBW:0.880kHz SWT:Auto</p> | Left blank |

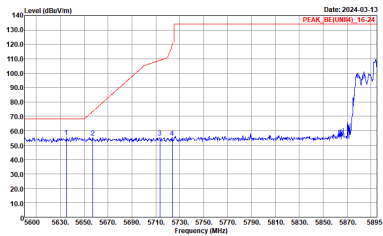
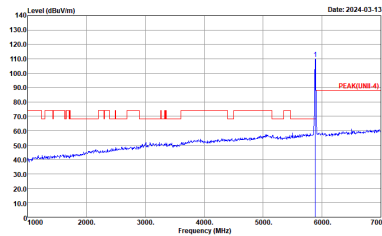
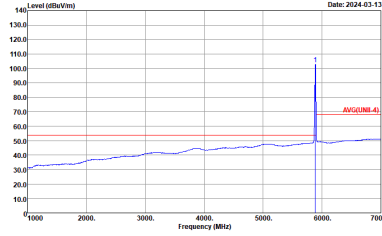


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Partial 26/0 CH169 5845MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : :PEAK_BC(UNII4)_16-24 3m 91200_1522_230323 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : :PEAK(UNII-4) 3m 91200_1522_230323 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : :AVG(UNII-4) 3m 91200_1522_230323 VERTICAL :RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p> |



| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11be (EHT20) Partial 26/0 CH169 5845MHz | |
| 3+4 | Vertical | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |
| Avg | <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.880KHz SWT:Auto</p> | Left blank |

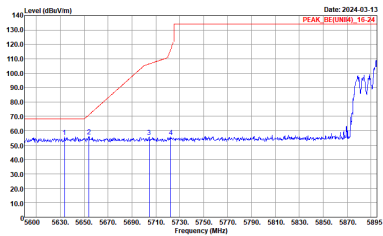
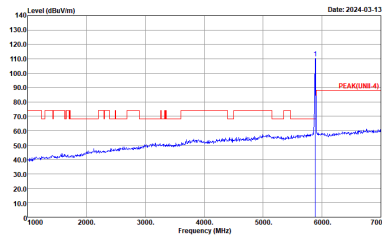
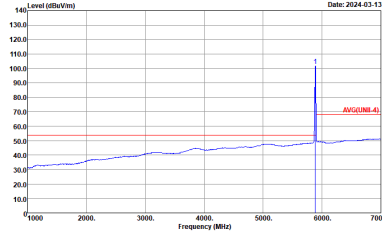


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Partial 26/8 CH177 5885MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_REF(UNII-4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p> |



| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|---|-------------------|
| ANT | 802.11be (EHT20) Partial 26/8 CH177 5885MHz | |
| 3+4 | Horizontal | Fundamental |
| <p>Peak</p> | | <p>Left blank</p> |
| <p>Avg</p> | | <p>Left blank</p> |



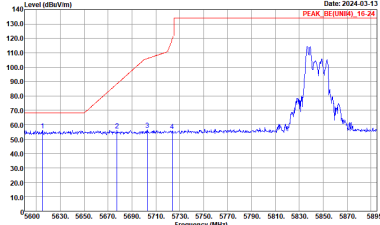
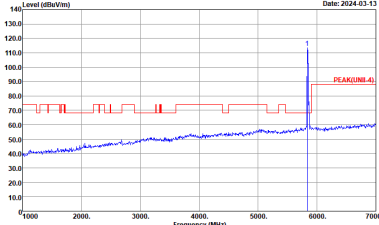
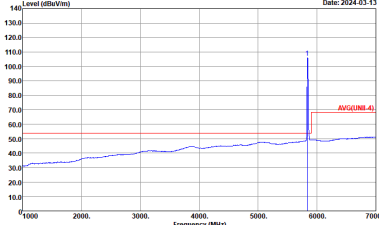
| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Partial 26/8 CH177 5885MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_8E(LNII4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(LNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(LNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p> |



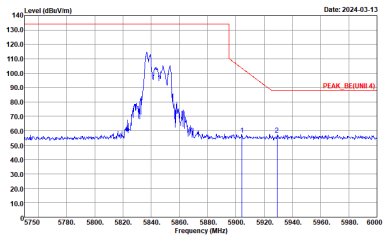
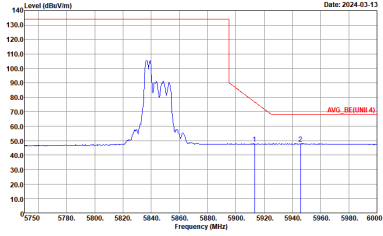
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11be (EHT20) Partial 26/8 CH177 5885MHz | |
| 3+4 | Vertical | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |
| Avg | <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.880KHz SWT:Auto</p> | Left blank |



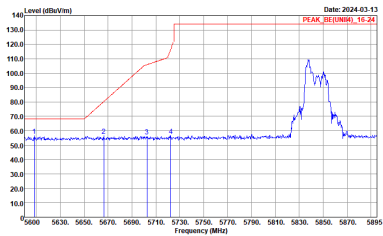
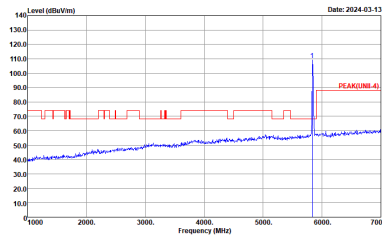
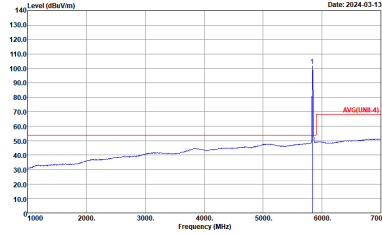
IFI 802.11be (EHT20) Partial 52 (Band Edge @ 3m)

| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|---|
| ANT | 802.11be (EHT20) Partial 52/37 CH169 5845MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Date: 2024-03-13 PEAK_BE(UNII4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Date: 2024-03-13 PEAK(UNII-4)</p> <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Date: 2024-03-13 AVG(UNII-4)</p> <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p> |

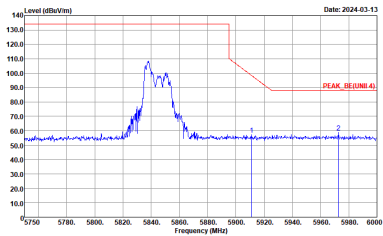
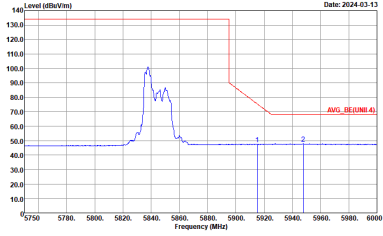


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11be (EHT20) Partial 52/37 CH169 5845MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000kHz VBW:0.880kHz SWT:Auto</p> | Left blank |

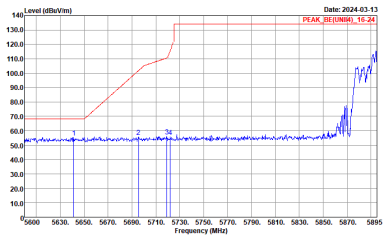
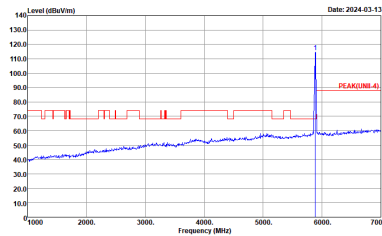
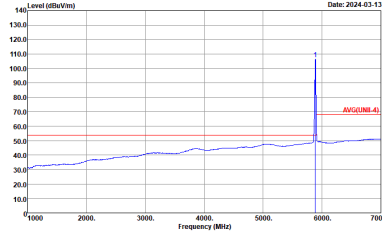


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Partial 52/37 CH169 5845MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : :PEAK_BC(UNII4)_16-24 3m 91200_1522_230323 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : :PEAK(UNII-4) 3m 91200_1522_230323 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : :AVG(UNII-4) 3m 91200_1522_230323 VERTICAL :RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p> |

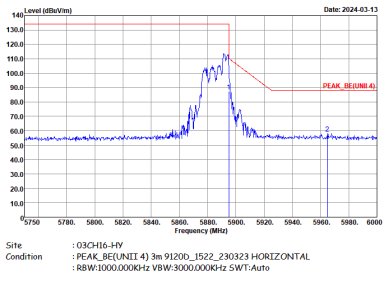
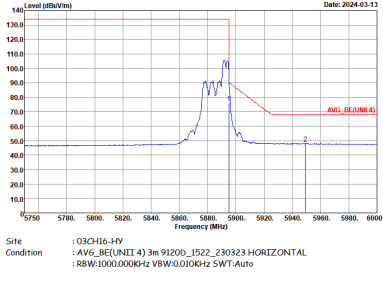


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11be (EHT20) Partial 52/37 CH169 5845MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.880KHz SWT:Auto</p> | Left blank |



| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Partial 52/40 CH177 5885MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BC(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

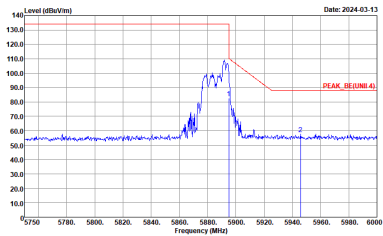
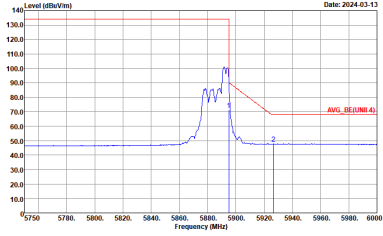


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|---|-------------------|
| ANT | 802.11be (EHT20) Partial 52/40 CH177 5885MHz | |
| 3+4 | Horizontal | Fundamental |
| <p>Peak</p> |  | <p>Left blank</p> |
| <p>Avg</p> |  | <p>Left blank</p> |



| | | |
|------|--|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Partial 52/40 CH177 5885MHz | |
| 3+4 | Vertical | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_REF (UNII-4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH16-HY Condition : PEAK (UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank | <p>Site : 03CH16-HY Condition : AVG (UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p> |



| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11be (EHT20) Partial 52/40 CH177 5885MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.880KHz SWT:Auto</p> | Left blank |



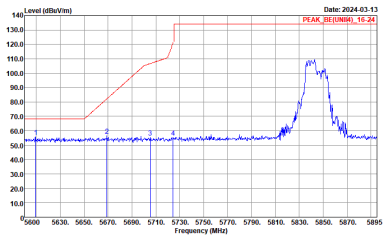
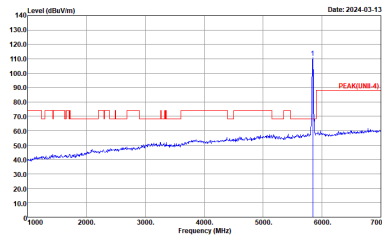
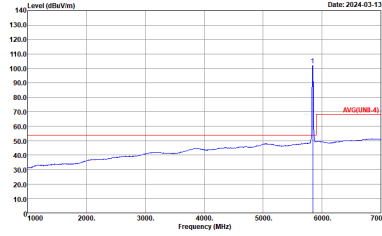
UNII 4 5600~5950MHz
WIFI 802.11be (EHT20) Partial 106 (Band Edge @ 3m)

| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11be (EHT20) Partial 106/53 CH169 5845MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank | <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

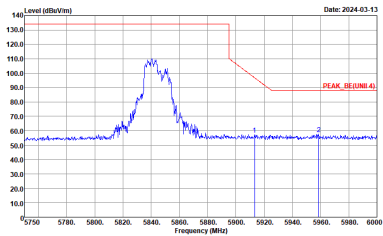
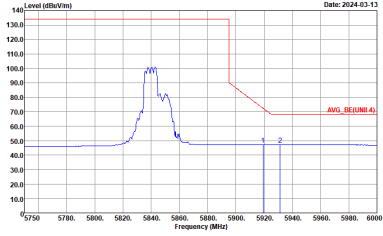


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11be (EHT20) Partial 106/53 CH169 5845MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank |
| Avg | <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL RBW:1000.000kHz VBW:0.100kHz SWT:Auto</p> | Left blank |

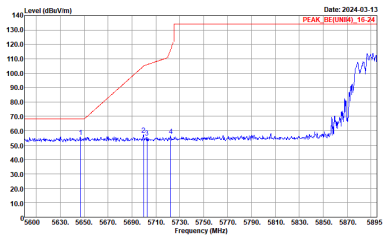
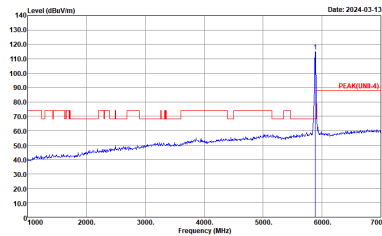
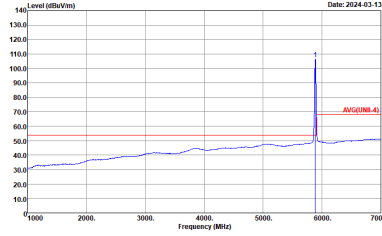


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Partial 106/53 CH169 5845MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_8C(UNII4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |



| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|--|-------------------|
| ANT | 802.11be (EHT20) Partial 106/53 CH169 5845MHz | |
| 3+4 | Vertical | Fundamental |
| <p>Peak</p> |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p>Avg</p> |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.100KHz SWT:Auto</p> | <p>Left blank</p> |

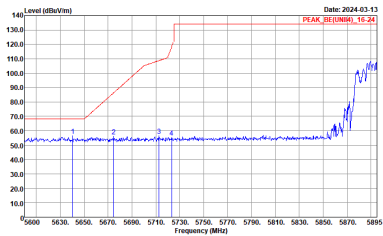
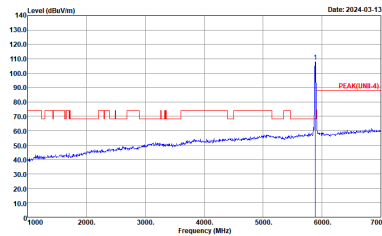
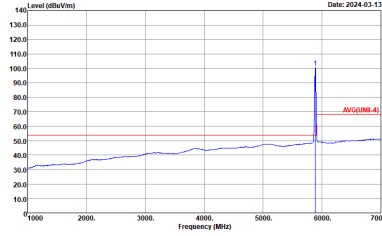


| | | |
|------|--|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Partial 106/54 CH177 5885MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_802.11be_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p> |

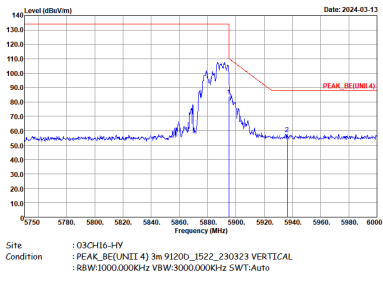
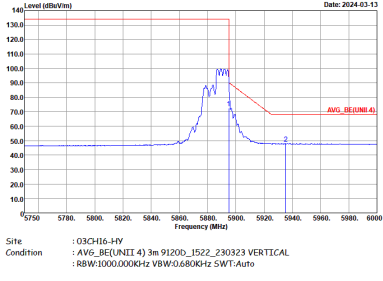


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|---|-------------------|
| ANT | 802.11be (EHT20) Partial 106/54 CH177 5885MHz | |
| 3+4 | Horizontal | Fundamental |
| <p>Peak</p> | | <p>Left blank</p> |
| <p>Avg</p> | | <p>Left blank</p> |



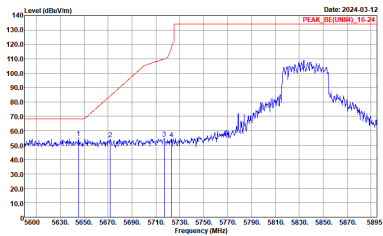
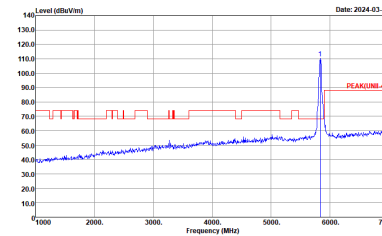
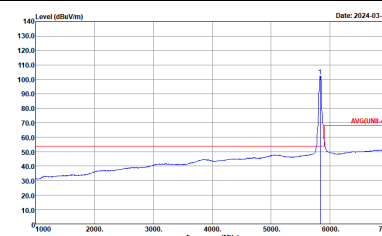
| | | |
|------|--|---|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT20) Partial 106/54 CH177 5885MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Date: 2024-03-13 PEAK_BE (UNII-4)_16-24</p> <p>Site : 03CH16-HY Condition : PEAK_BE (UNII-4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Date: 2024-03-13 PEAK (UNII-4)</p> <p>Site : 03CH16-HY Condition : PEAK (UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Date: 2024-03-13 AVG (UNII-4)</p> <p>Site : 03CH16-HY Condition : AVG (UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p> |



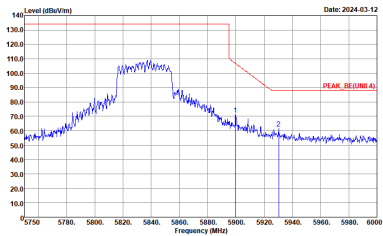
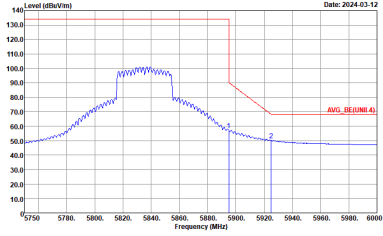
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|---|-------------|
| ANT | 802.11be (EHT20) Partial 106/54 CH177 5885MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  | Left blank |
| Avg |  | Left blank |



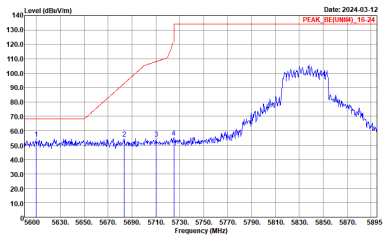
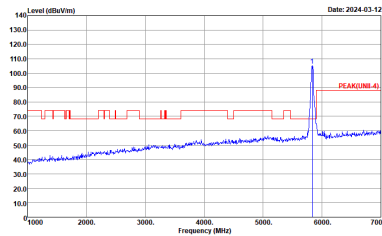
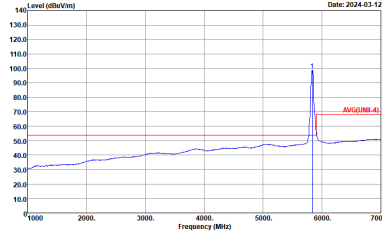
WIFI 802.11be (EHT40) Full (Band Edge @ 3m)

| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11be (EHT40) Full CH167 5835MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

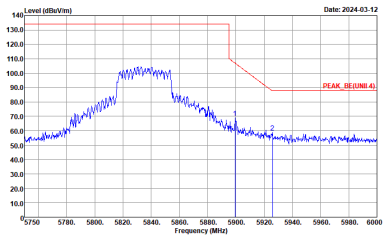
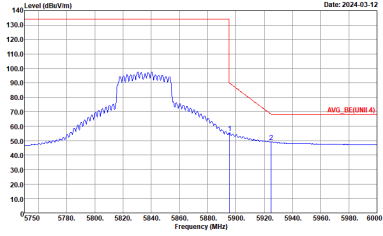


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|--|-------------------|
| ANT | 802.11be (EHT40) Full CH167 5835MHz | |
| 3+4 | Horizontal | Fundamental |
| <p>Peak</p> |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | <p>Left blank</p> |
| <p>Avg</p> |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000kHz VBW:0.100kHz SWT:Auto</p> | <p>Left blank</p> |

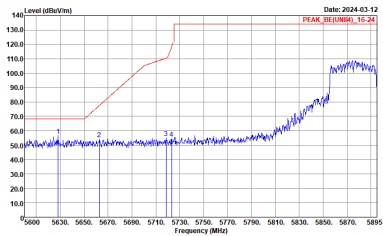
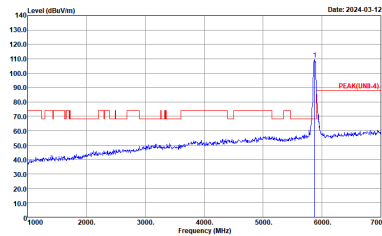
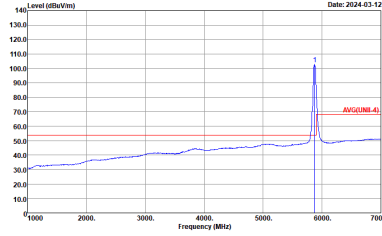


| | | |
|------|--|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT40) Full CH167 5835MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_8E(UNII-4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

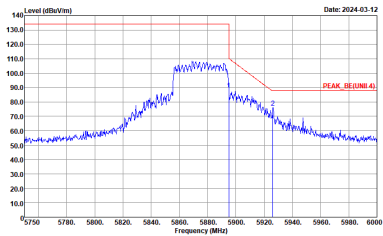
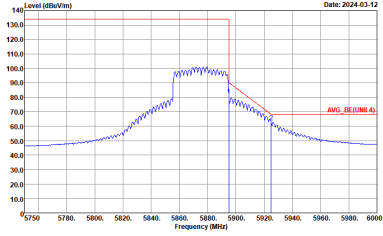


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11be (EHT40) Full CH167 5835MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000kHz VBW:0.100kHz SWT:Auto</p> | Left blank |

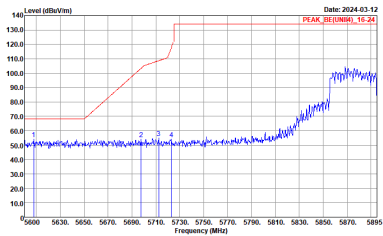
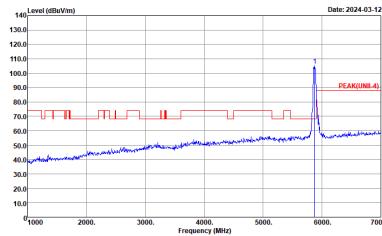
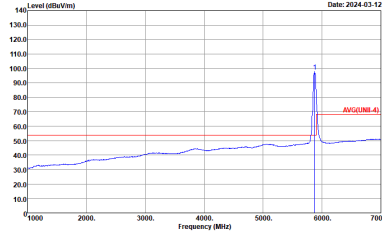


| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT40) Full HT40 CH175 5875MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_8C(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank | |
| | |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |

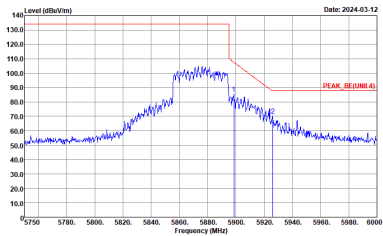
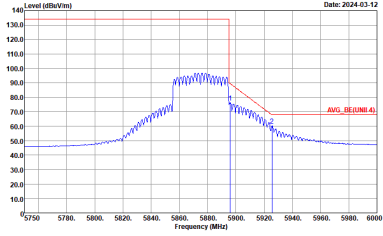


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--------------------|--|-------------------|
| ANT | 802.11be (EHT40) Full HT40 CH175 5875MHz | |
| 3+4 | Horizontal | Fundamental |
| <p>Peak</p> |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p>Avg</p> |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.100KHz SWT:Auto</p> | <p>Left blank</p> |



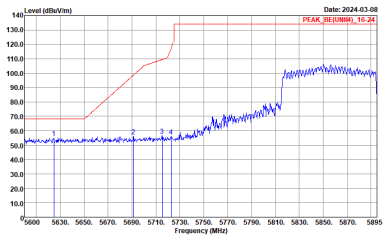
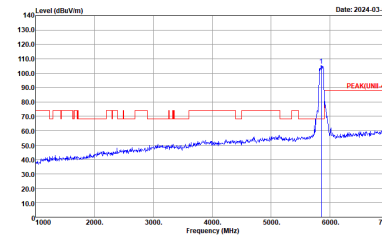
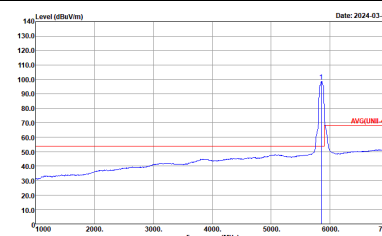
| | | |
|------|--|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT40) Full CH175 5875MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_8E(UNII-4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank | |
| | |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p> |



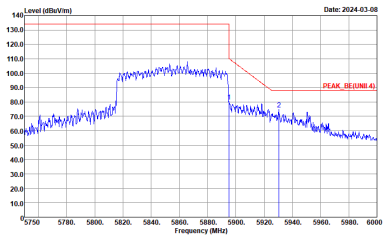
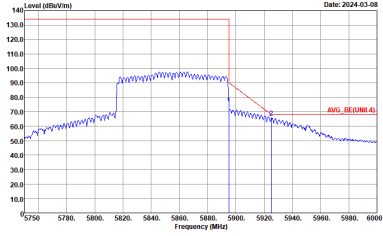
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|--|--|---|
| ANT | 802.11be (EHT40) Full CH175 5875MHz | |
| 3+4 | Vertical | Fundamental |
| <p style="text-align: center;">Peak</p> |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p style="text-align: center;">Left blank</p> |
| <p style="text-align: center;">Avg</p> |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.100KHz SWT:Auto</p> | <p style="text-align: center;">Left blank</p> |



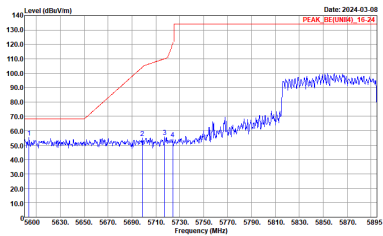
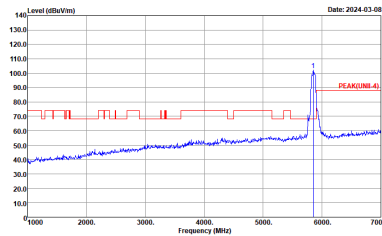
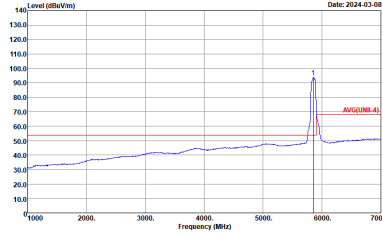
WIFI 802.11be (EHT80) Full (Band Edge @ 3m)

| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11be (EHT80) Full CH171 5855MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNII-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:1500KHz SWT:Auto</p> |

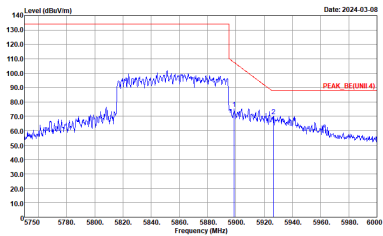
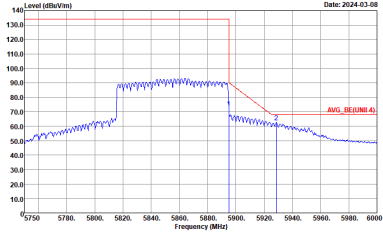


| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11be (EHT80) Full CH171 5855MHz | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:1500KHz SWT:Auto</p> | Left blank |



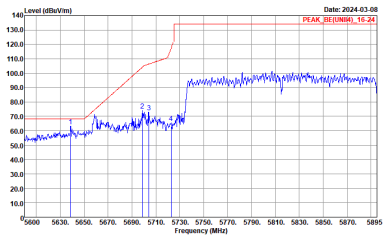
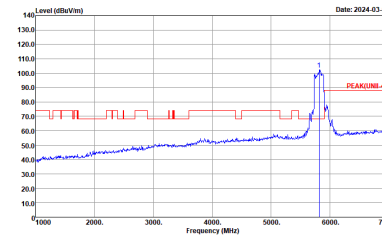
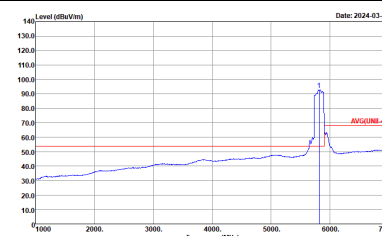
| | | |
|------|---|--|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT80) Full CH171 5855MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_8E(LNII4)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(LNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg | Left blank |  <p>Site : 03CH16-HY Condition : AVG(LNII-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:1500KHz SWT:Auto</p> |



| | | |
|------|--|-------------|
| WIFI | UNII 4 5600~5950MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT80) Full CH171 5855MHz | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |
| Avg |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:1500KHz SWT:Auto</p> | Left blank |



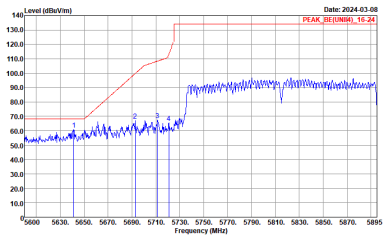
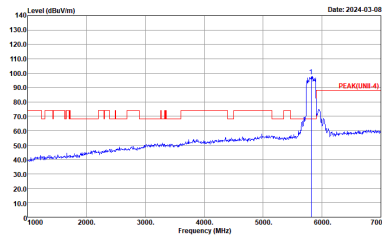
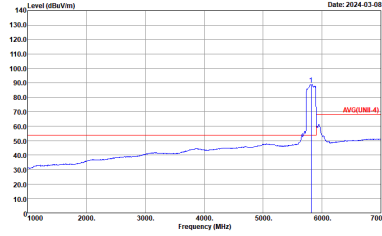
WIFI 802.11be (EHT160) Full (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|------|---|--|
| ANT | 802.11be (EHT160) Full CH163 5815MHz - L | |
| 3+4 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT4)_16-24 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNIT-4) 3m 91200_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:2.700KHz SWT:Auto</p> |

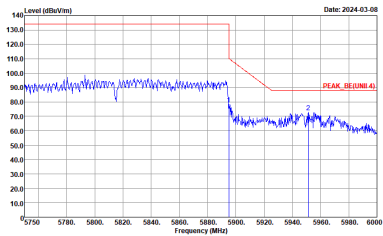
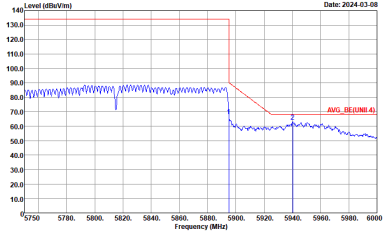


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|--------------------|--|-------------------|
| ANT | 802.11be (EHT160) Full CH163 5815MHz - R | |
| 3+4 | Horizontal | Fundamental |
| <p>Peak</p> | | <p>Left blank</p> |
| <p>Avg.</p> | | <p>Left blank</p> |



| | | |
|------|--|--|
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
| ANT | 802.11be (EHT160) Full CH163 5815MHz - L | |
| 3+4 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_REF(UNIT1)_16-24 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank |  <p>Site : 03CH16-HY Condition : AVG(UNIT-4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:2.700KHz SWT:Auto</p> |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m | |
|--------------------|--|-------------------|
| ANT | 802.11be (EHT160) Full CH163 5815MHz - R | |
| 3+4 | Vertical | Fundamental |
| <p>Peak</p> |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Left blank</p> |
| <p>Avg.</p> |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT 4) 3m 91200_1522_230323 VERTICAL : RBW:1000.000KHz VBW:2700KHz SWT:Auto</p> | <p>Left blank</p> |



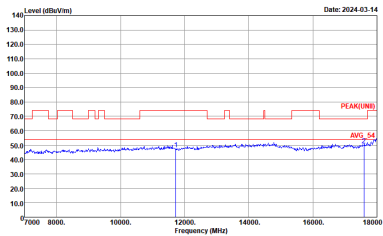
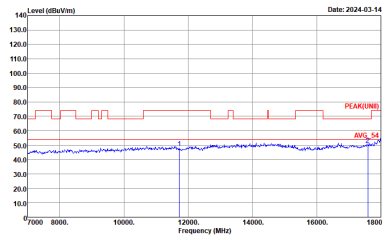
UNII 4 - 5600~5950MHz
WIFI 802.11a (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11a CH169 5845MHz | |
| 3+4 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK[UNII] 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : PEAK[UNII] 3m 91200_1522_230323 VERTICAL</p> |



| | | |
|-----------------------------------|--|--|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11a CH169 5845MHz | |
| 3+4 | Horizontal | Vertical |
| <p>14.47G ~14.5G Avg.</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |
| <p>17.7G ~18G Avg</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |

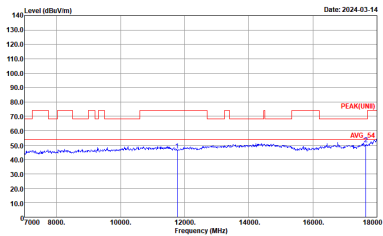
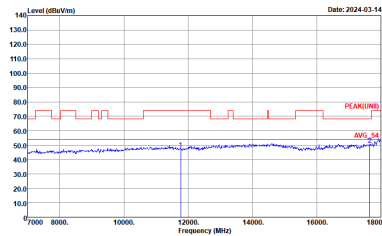


| | | |
|--------------|--|---|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11a CH173 5865MHz | |
| 3+4 | Horizontal | Vertical |
| Peak Avg. |  <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 HORIZONTAL</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 VERTICAL</p> |



| | | |
|-----------------------------------|--|--|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11a CH173 5865MHz | |
| 3+4 | Horizontal | Vertical |
| <p>14.47G ~14.5G Avg.</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |
| <p>17.7G ~18G Avg</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |



| | | |
|--------------|--|---|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11a CH177 5885MHz | |
| 3+4 | Horizontal | Vertical |
| Peak Avg. |  <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 HORIZONTAL</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 VERTICAL</p> |



| | | |
|-----------------------------------|--|--|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11a CH177 5885MHz | |
| 3+4 | Horizontal | Vertical |
| <p>14.47G ~14.5G Avg.</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |
| <p>17.7G ~18G Avg</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |



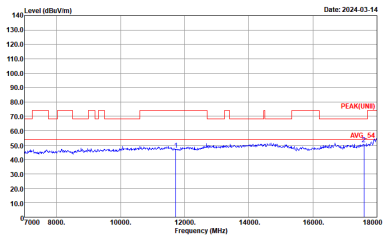
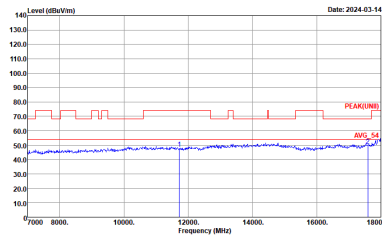
WIFI 802.11be (EHT20) Full (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT20) Full CH169 5845MHz | |
| 3+4 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 VERTICAL</p> |



| | | |
|-----------------------------------|--|--|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT20) Full CH169 5845MHz | |
| 3+4 | Horizontal | Vertical |
| <p>14.47G ~14.5G Avg.</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |
| <p>17.7G ~18G Avg</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |



| | | |
|--------------|--|---|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT20) Full CH173 5865MHz | |
| 3+4 | Horizontal | Vertical |
| Peak Avg. |  <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 HORIZONTAL</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 VERTICAL</p> |

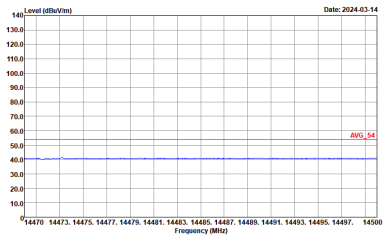
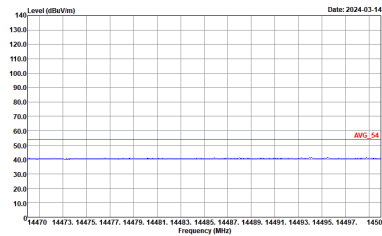
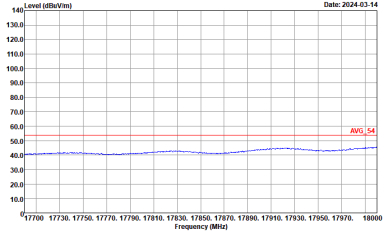
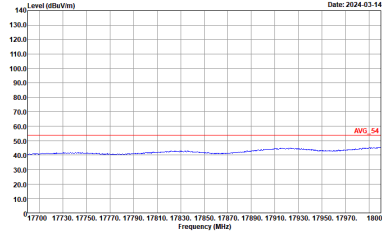


| | | |
|-----------------------------------|--|--|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT20) Full CH173 5865MHz | |
| 3+4 | Horizontal | Vertical |
| <p>14.47G ~14.5G Avg.</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |
| <p>17.7G ~18G Avg</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |



| | | |
|--------------|--|--|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT20) Full CH177 5885MHz | |
| 3+4 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 VERTICAL</p> |



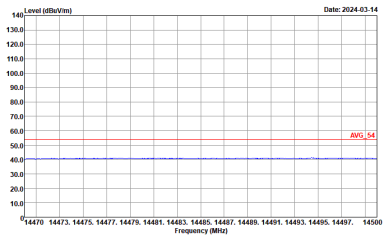
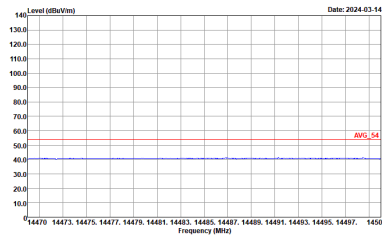
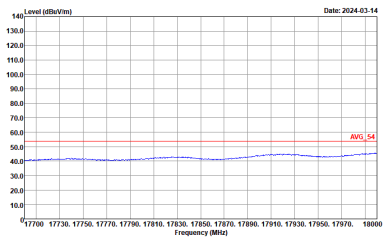
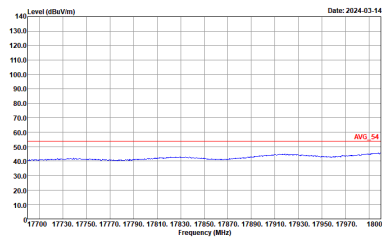
| | | |
|-----------------------------------|--|---|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT20) Full CH177 5885MHz | |
| 3+4 | Horizontal | Vertical |
| <p>14.47G ~14.5G Avg.</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |
| <p>17.7G ~18G Avg</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |



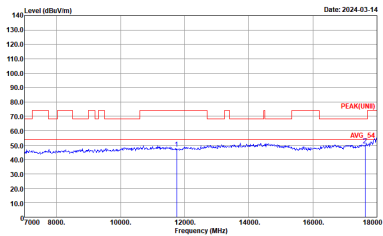
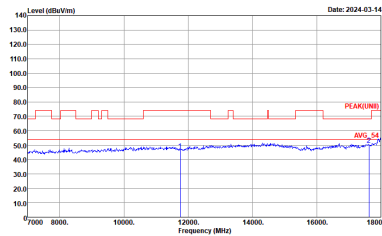
WIFI 802.11be (EHT40) Full (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT40) Full CH167 5835MHz | |
| 3+4 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 VERTICAL</p> |

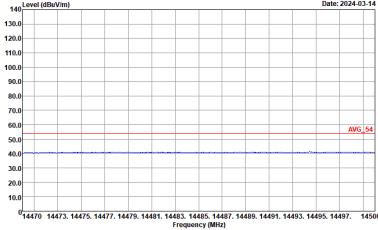
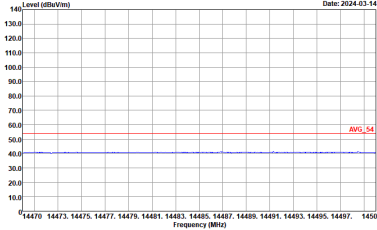
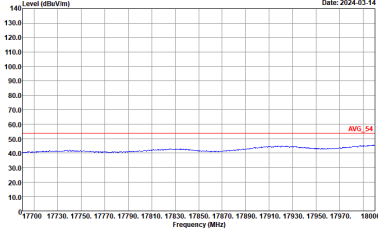
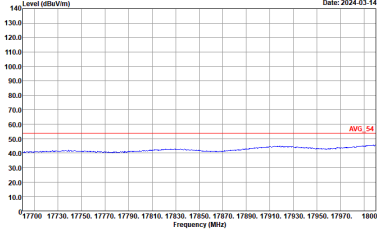


| | | |
|-----------------------------------|--|---|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT40) Full CH167 5835MHz | |
| 3+4 | Horizontal | Vertical |
| <p>14.47G ~14.5G Avg.</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |
| <p>17.7G ~18G Avg</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |



| | | |
|--------------|--|---|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT40) Full CH175 5875MHz | |
| 3+4 | Horizontal | Vertical |
| Peak Avg. |  <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 HORIZONTAL</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 VERTICAL</p> |



| | | |
|-----------------------------------|--|---|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT40) Full CH175 5875MHz | |
| 3+4 | Horizontal | Vertical |
| <p>14.47G ~14.5G Avg.</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |
| <p>17.7G ~18G Avg</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> |  <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |



WIFI 802.11be (EHT80) Full (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT80) Full CH171 5855MHz | |
| 3+4 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 HORIZONTAL :</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 VERTICAL :</p> |



| | | |
|-----------------------------------|--|--|
| WIFI | UNII 4 5600~5950MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT80) Full CH171 5855MHz | |
| 3+4 | Horizontal | Vertical |
| <p>14.47G ~14.5G Avg.</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |
| <p>17.7G ~18G Avg</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |



WIFI 802.11be (EHT160) Full (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | Band 1 5150~5250MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT160) Full CH163 5815MHz | |
| 3+4 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_230323 VERTICAL</p> |



| | | |
|-----------------------------------|--|--|
| WIFI | Band 1 5150~5250MHz Harmonic @ 3m | |
| ANT | 802.11be (EHT160) Full CH163 5815MHz | |
| 3+4 | Horizontal | Vertical |
| <p>14.47G ~14.5G Avg.</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |
| <p>17.7G ~18G Avg</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : AV6_54 3m 91200_1522_230323 VERTICAL</p> |



Emission above 18GHz
5GHz WIFI 802.11be EHT80 Full (SHF @ 1m)

| WIFI | 5GHz WIFI | |
|--------------|---|---|
| ANT | 802.11be EHT80 Full SHF | |
| 3+4 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK[UNIT] 1m SHF_993_231124 HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : PEAK[UNIT] 1m SHF_993_231124 VERTICAL</p> |



Emission below 1GHz
5GHz WIFI 802.11be EHT80 Full (LF)

| WIFI | 5GHz WIFI | |
|--------------|---|---|
| ANT | 802.11be EHT80 Full LF | |
| 3+4 | Horizontal | Vertical |
| QP / Peak | <p>Site : 03CH16-HY Condition : QP 3m BIL06_47020_231007_H HORIZONTAL</p> | <p>Site : 03CH16-HY Condition : QP 3m BIL06_47020_231007_H VERTICAL</p> |

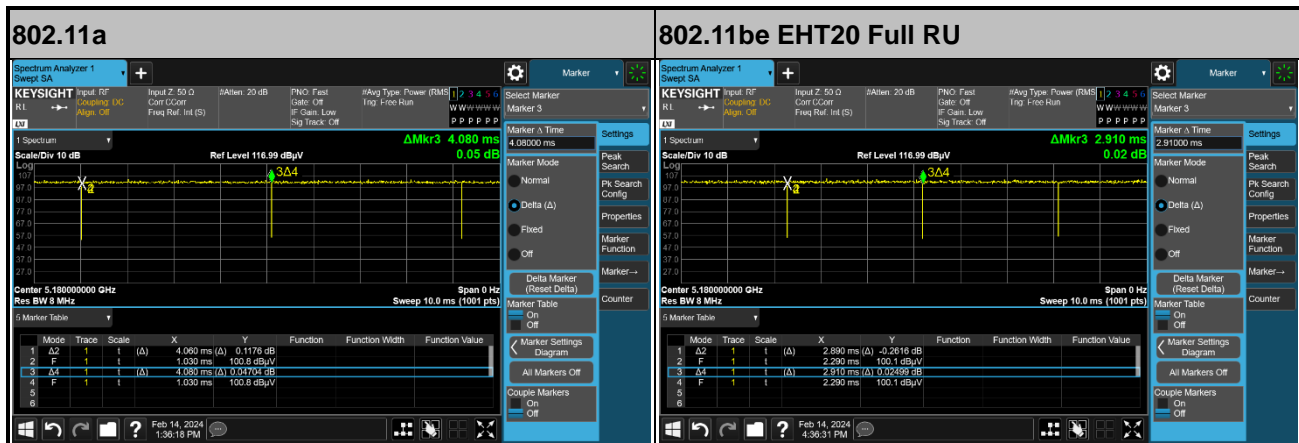


Appendix E. Duty Cycle Plots

<For Radiated Spurious Emission test>

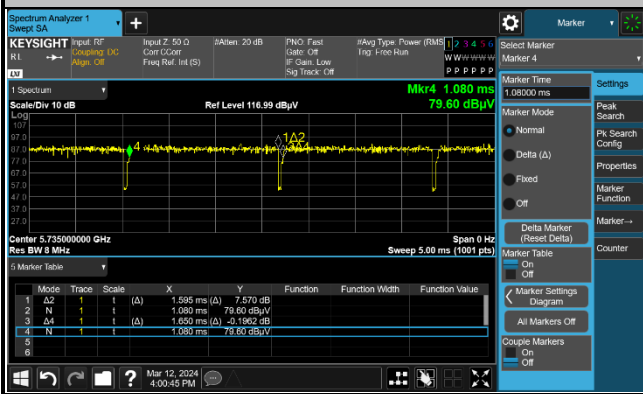
| Antenna | Band | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting |
|---------|------------------------------|---------------|-------|----------|-------------|
| 3+4 | 5GHz 802.11a | 99.51 | - | - | 10Hz |
| 3+4 | 5GHz 802.11be EHT20 Full RU | 99.31 | - | - | 10Hz |
| 3+4 | 5GHz 802.11be EHT20 26 RU | 96.67 | 1595 | 0.63 | 680Hz |
| 3+4 | 5GHz 802.11be EHT20 52 RU | 98.31 | - | - | 10Hz |
| 3+4 | 5GHz 802.11be EHT20 106 RU | 98.59 | - | - | 10Hz |
| 3+4 | 5GHz 802.11be EHT40 Full RU | 98.66 | - | - | 10Hz |
| 3+4 | 5GHz 802.11be EHT80 Full RU | 97.12 | 742 | 1.35 | 1.5KHz |
| 3+4 | 5GHz 802.11be EHT160 Full RU | 95.32 | 407 | 2.46 | 2.7KHz |

MIMO <Ant. 3+4>

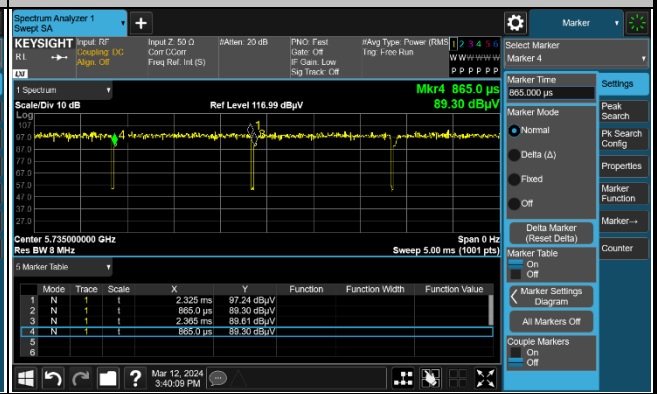




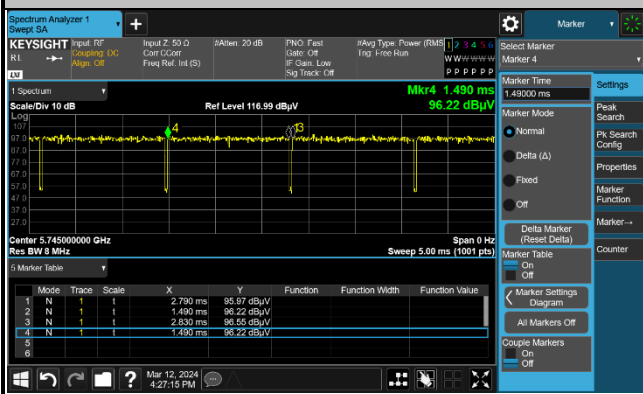
802.11be EHT20 26 RU



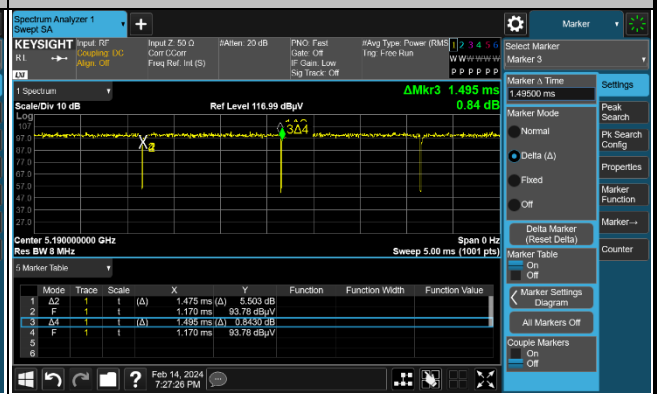
802.11be EHT20 52 RU



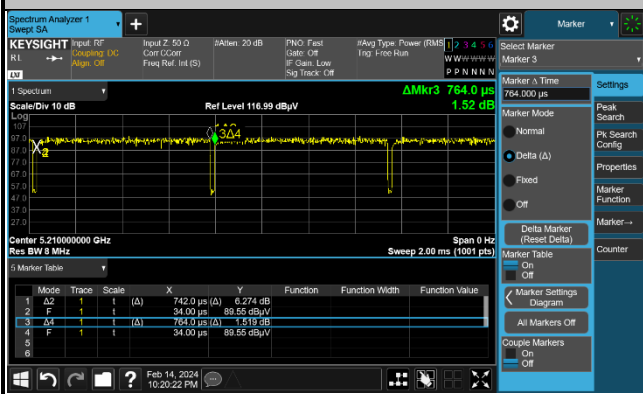
802.11be EHT20 106 RU



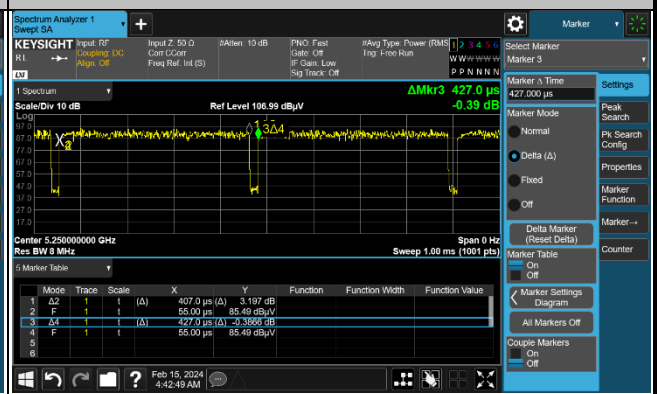
802.11be EHT40 Full RU



802.11be EHT80 Full RU



802.11be EHT160 Full RU



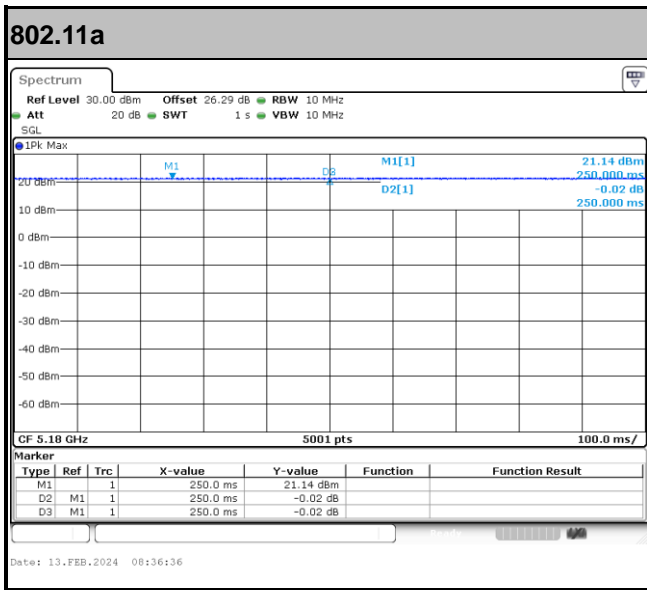


<For Conducted test>

| Antenna | Band | Duty Cycle(%) | T(us) | Duty Factor(dB) |
|---------|---|---------------|-------|-----------------|
| 3+4 | 5GHz 802.11a for Ant. 3 | 100.00 | - | 0.00 |
| 3+4 | 5GHz 802.11a for Ant. 4 | 100.00 | - | 0.00 |
| 3+4 | 5GHz 802.11be EHT20 Full RU for Ant 3 | 99.31 | - | 0.03 |
| 3+4 | 5GHz 802.11be EHT20 Full RU for Ant 4 | 99.31 | - | 0.03 |
| 3+4 | 5GHz 802.11be EHT20 26 RU for Ant 3 | 98.07 | - | 0.08 |
| 3+4 | 5GHz 802.11be EHT20 26 RU for Ant 4 | 98.07 | - | 0.08 |
| 3+4 | 5GHz 802.11be EHT20 52 RU for Ant 3 | 97.20 | 1459 | 0.12 |
| 3+4 | 5GHz 802.11be EHT20 52 RU for Ant 4 | 97.33 | 1460 | 0.12 |
| 3+4 | 5GHz 802.11be EHT20 106 RU for Ant 3 | 97.02 | 1304 | 0.13 |
| 3+4 | 5GHz 802.11be EHT20 106 RU for Ant 4 | 97.02 | 1304 | 0.13 |
| 3+4 | 5GHz 802.11be EHT20 52+26 RU for Ant 3 | 98.85 | - | 0.05 |
| 3+4 | 5GHz 802.11be EHT20 52+26 RU for Ant 4 | 98.85 | - | 0.05 |
| 3+4 | 5GHz 802.11be EHT20 106+26 RU for Ant 3 | 98.04 | - | 0.09 |
| 3+4 | 5GHz 802.11be EHT20 106+26 RU for Ant 4 | 98.04 | - | 0.09 |
| 3+4 | 5GHz 802.11be EHT40 Full RU for Ant 3 | 98.67 | - | 0.06 |
| 3+4 | 5GHz 802.11be EHT40 Full RU for Ant 4 | 98.93 | - | 0.05 |
| 3+4 | 5GHz 802.11be EHT80 Full RU for Ant 3 | 97.39 | 745 | 0.12 |
| 3+4 | 5GHz 802.11be EHT80 Full RU for Ant 4 | 97.39 | 745 | 0.12 |
| 3+4 | 5GHz 802.11be EHT80 Puncture20 for Ant 3 | 98.06 | - | 0.09 |
| 3+4 | 5GHz 802.11be EHT80 Puncture20 for Ant 4 | 98.06 | - | 0.09 |
| 3+4 | 5GHz 802.11be EHT160 Full RU for Ant 3 | 95.31 | 406 | 0.21 |
| 3+4 | 5GHz 802.11be EHT160 Full RU for Ant 4 | 95.31 | 406 | 0.21 |
| 3+4 | 5GHz 802.11be EHT160 Puncture20 for Ant 3 | 95.85 | 462 | 0.18 |
| 3+4 | 5GHz 802.11be EHT160 Puncture20 for Ant 4 | 95.85 | 462 | 0.18 |
| 3+4 | 5GHz 802.11be EHT160 Puncture40 for Ant 3 | 95.99 | 526 | 0.18 |
| 3+4 | 5GHz 802.11be EHT160 Puncture40 for Ant 4 | 95.99 | 526 | 0.18 |



MIMO <Ant. 3>



————THE END————