



FCC RADIO TEST REPORT

FCC ID : A4RGKV4X
Equipment : Phone
Model Name : GKV4X
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, California, 94043 USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jul. 11, 2023 and testing was performed from Jul. 24, 2023 to Dec. 12, 2023. 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.

Louis Wu

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.)



Table of Contents

History of this test report..... 3

Summary of Test Result..... 4

1 General Description 5

 1.1 Product Feature of Equipment Under Test..... 5

 1.2 Modification of EUT 7

 1.3 Testing Location 7

 1.4 Applicable Standards..... 7

2 Test Configuration of Equipment Under Test 8

 2.1 Carrier Frequency and Channel 8

 2.2 Test Mode 9

 2.3 Connection Diagram of Test System 10

 2.4 Support Unit used in test configuration and system 11

 2.5 EUT Operation Test Setup 11

 2.6 Measurement Results Explanation Example..... 12

3 Test Result 13

 3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement 13

 3.2 Maximum E.I.R.P Output Power Measurement 14

 3.3 Power Spectral Density Measurement 15

 3.4 Unwanted Emissions Measurement 17

 3.5 AC Conducted Emission Measurement..... 22

 3.6 Antenna Requirements 24

4 List of Measuring Equipment..... 25

5 Measurement Uncertainty 27

Appendix A. Conducted Test Results

Appendix B. AC Conducted Emission Test Result

Appendix C. Radiated Spurious Emission

Appendix D. Radiated Spurious Emission Plots

Appendix E. Duty Cycle Plots

Appendix F. Setup Photographs



History of this test report

Report No.	Version	Description	Issue Date
FR380307F	01	Initial issue of report	Dec. 12, 2023



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	3.41 dB under the limit at 5895.00 MHz
3.5	15.207	AC Conducted Emission	Pass	22.17 dB under the limit at 0.44 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:

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.

Reviewed by: William Chen

Report Producer: Rachel Hsieh



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE/5G NR, Bluetooth, BLE, BLE channel sounding, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11a/ax, NFC, WPC Rx and GNSS Rx.
Antenna Type WLAN: <Ant. 4>: ILA Antenna <Ant. 3>: IFA Antenna

EUT Information List	
S/N	Performed Test Item
38011JEKB00290 36151JEKB12371	RF Conducted Measurement
38011JEKB00050	Radiated Spurious Emission
38011JEKB00085	Conducted Emission

Antenna information		
5850 MHz ~ 5895 MHz	Peak Gain (dBi)	Ant. 4: -3.3 Ant. 3: -3.3

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



1.1.1 Antenna Directional Gain

<For CDD Mode>

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.

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

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

UNII-4			DG	DG
			for	for
	Ant 4 (dBi)	Ant 3 (dBi)	Power (dBi)	PSD (dBi)
	-3.30	-3.30	-3.30	-0.29

Calculation example:

If a device has two antenna, $G_{ANT1} = -3.3\text{dBi}$; $G_{ANT2} = -3.3\text{dBi}$

Directional gain of power measurement = $\max(-3.3, -3.3) + 0 = -3.3 \text{ dBi}$

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \frac{[10^{(-3.3 \text{ dBi} / 20)} + 10^{(-3.3 \text{ dBi} / 20)}]^2}{2} \right\}$$

= -0.29 dBi



1.2 Modification of EUT

No modifications made to the EUT during the testing.

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, 03CH15-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC KDB 291074 D02 EMC Measurement v01 (Draft)
- ♦ 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 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 X plane 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

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



2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

Except for 802.11n HT20, the power for 802.11n and 802.11ac mode is smaller than 802.11ax mode, so all other conducted and radiated test is covered by 802.11ax mode.

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

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

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

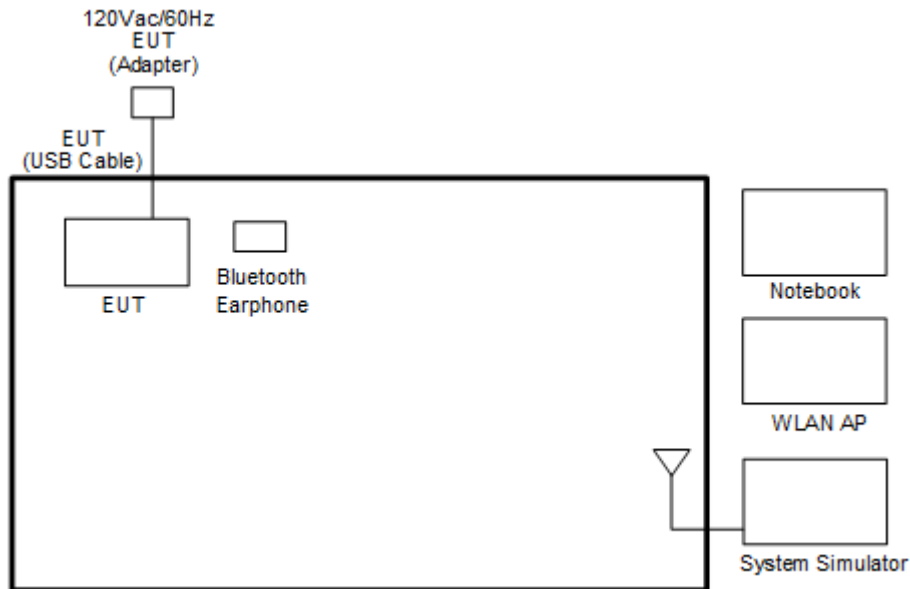
Test Cases	
AC Conducted Emission	Mode 1: 5G NR n5 Link + WLAN (5GHz) Link + Bluetooth on + NFC on + USB Cable 3 (Charging from AC Adapter 2) + Handset mode; Battery < 50%
Remark:	
<ol style="list-style-type: none"> For Radiated Test Cases, the tests were performed with Adapter 1 and USB Cable 3. During 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	802.11n HT20	802.11ax HE40	802.11ax HE80
L	Low	169	169	167	-
M	Middle	173	173	-	171
H	High	177	177	175	-

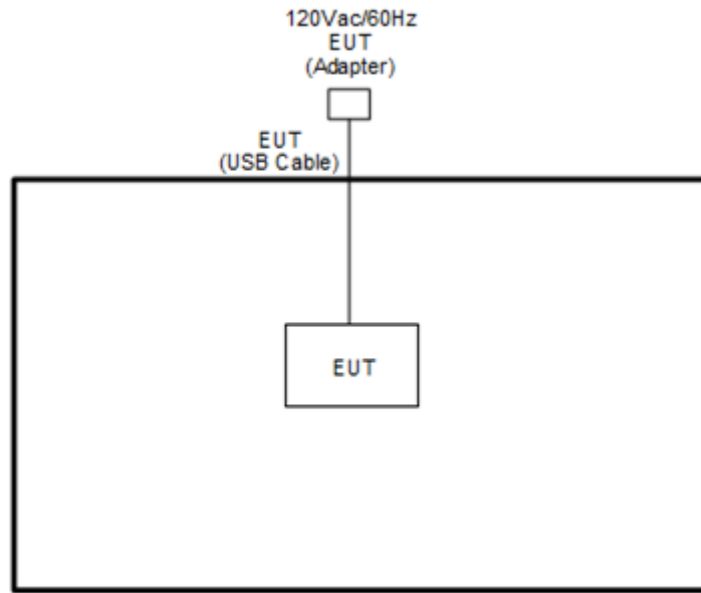
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	Netgear	RAXE500	PY320300508	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “adb command 1.0.32” 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

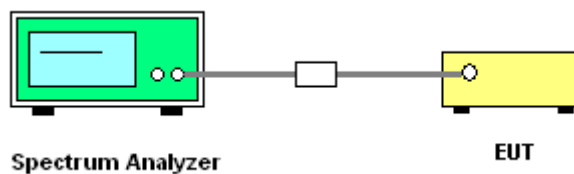
Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

The testing follows FCC KDB 291074 D02 EMC Measurement v01 Section 2.5 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

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

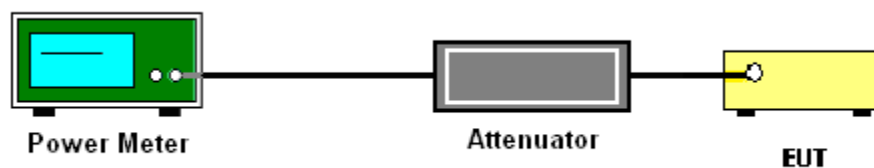
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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. For an indoor access point 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)(ii) 36dBm limit, where the stringent limit 20dBm/MHz is applied.

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

Method SA-2

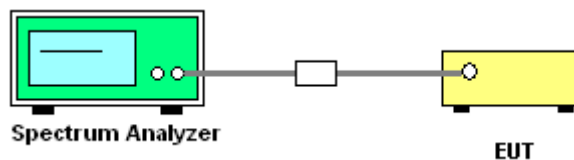
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- 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)(ii), all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 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:
 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

3.4.2 Measuring Instruments

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

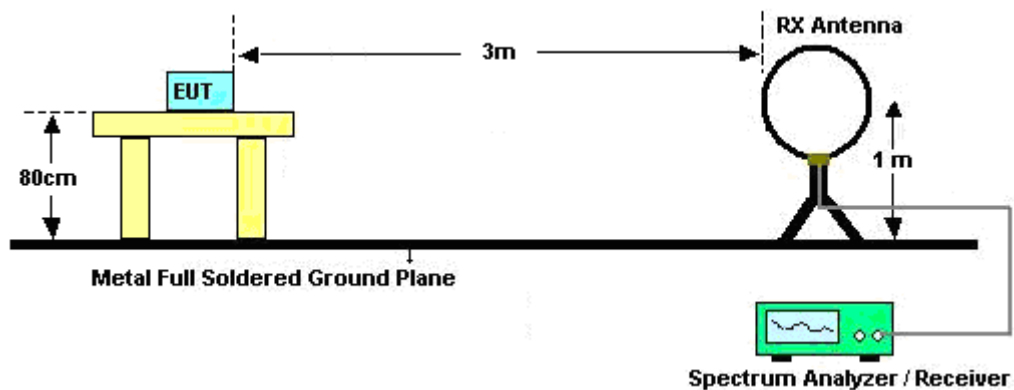
3.4.3 Test Procedures

- 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 ≥ 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 ≥ 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.

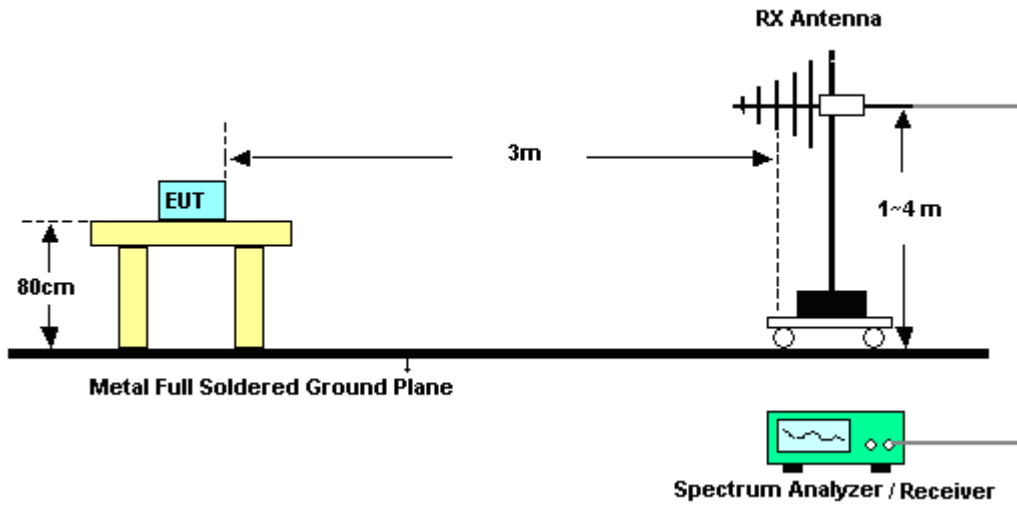
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.
4. The measurement antenna 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

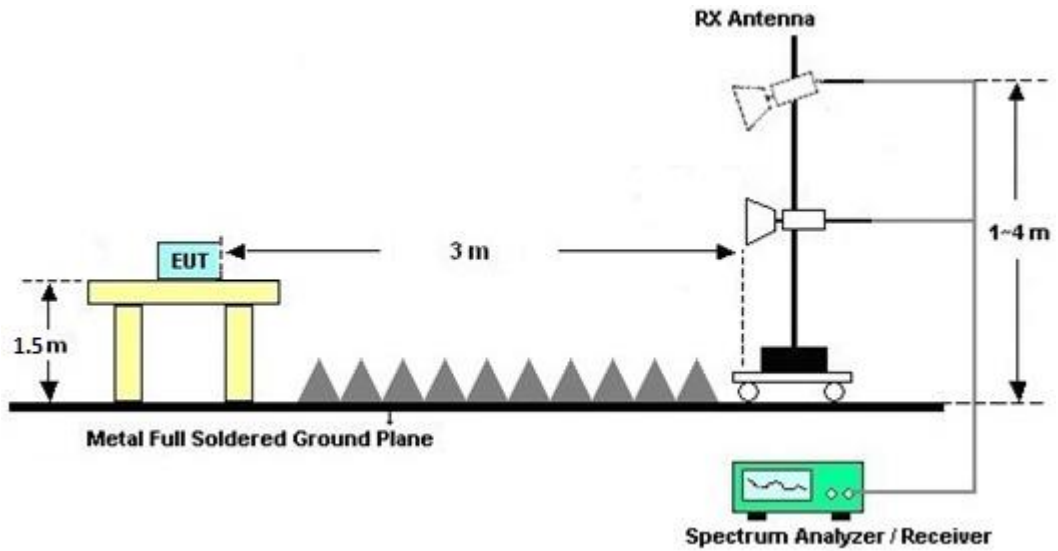
For radiated emissions below 30MHz



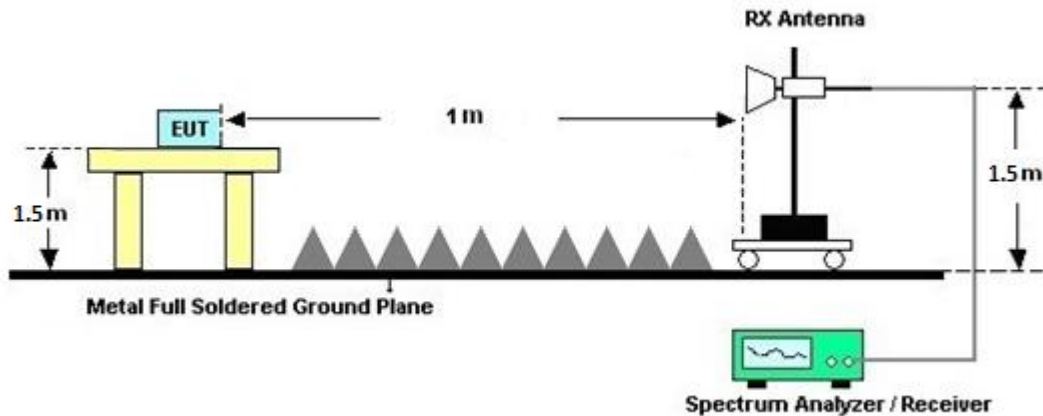
For radiated emissions from 30MHz to 1GHz



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 Results of Radiated Spurious Emissions (above 18 GHz)

For frequency above 18GHz, the pre-scanned result is 20dB lower than the limit line is not reported.

3.4.7 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.8 Duty Cycle

Please refer to Appendix E.

3.4.9 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.

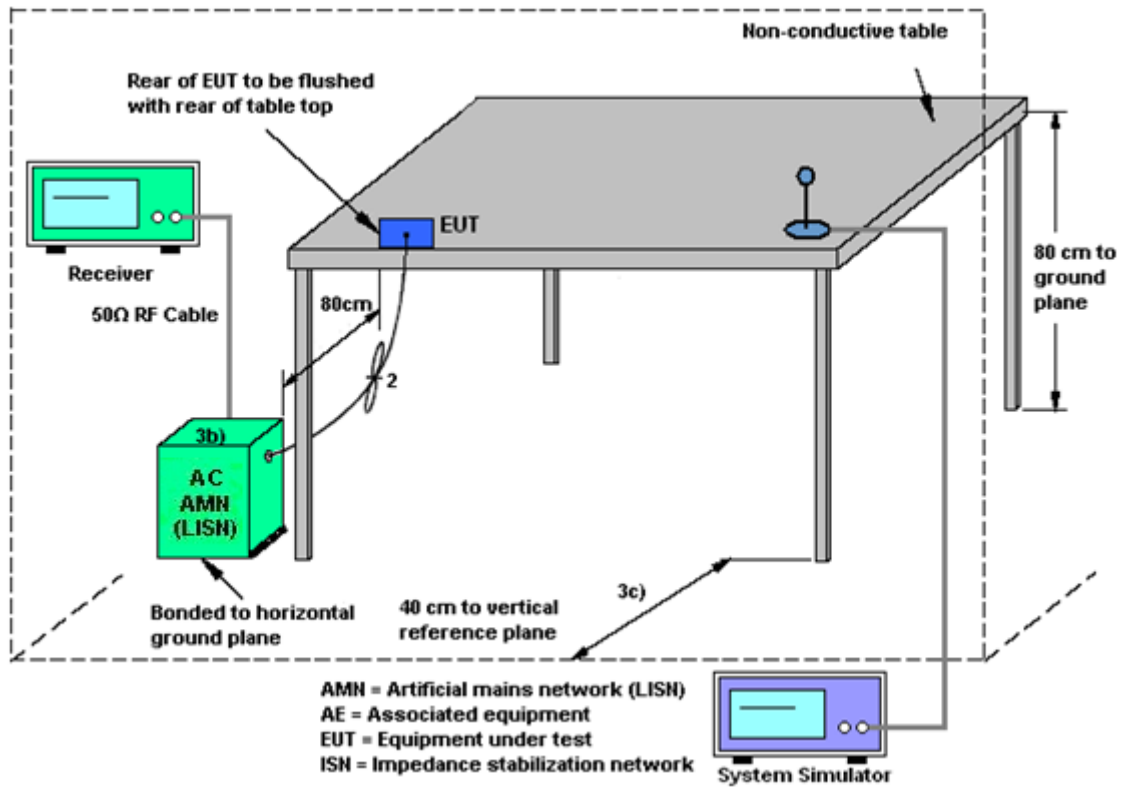
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in 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	100315	9kHz~30 MHz	Feb. 28, 2023	Jul. 31, 2023~ Dec. 07, 2023	Feb. 27, 2024	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-0 6	41912 & 05	30MHz~1GHz	Feb. 05, 2023	Jul. 31, 2023~ Dec. 07, 2023	Feb. 04, 2024	Radiation (03CH15-HY)
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 23, 2023	Jul. 31, 2023~ Dec. 07, 2023	Mar. 22, 2024	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	00993	18GHz~40GHz	Nov. 24, 2022	Jul. 31, 2023~ Nov. 22, 2023	Nov. 23, 2023	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	00991	18GHz~40GHz	Jun. 01, 2023	Nov. 23, 2023~ Dec. 07, 2023	May 31, 2024	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 26, 2022	Jul. 31, 2023~ Dec. 07, 2023	Dec. 25, 2023	Radiation (03CH15-HY)
Preamplifier	EMEC	EM01G18G	060837	1GHz~18GHz	Feb. 16, 2023	Jul. 31, 2023~ Dec. 07, 2023	Feb. 15, 2024	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Mar. 03, 2023	Jul. 31, 2023~ Dec. 07, 2023	Mar. 02, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Jul. 31, 2023~ Dec. 07, 2023	Jun. 26, 2024	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Apr. 25, 2023	Jul. 31, 2023~ Dec. 07, 2023	Apr. 24, 2024	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 20, 2023	Jul. 31, 2023~ Dec. 07, 2023	Mar. 19, 2024	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 31, 2023~ Dec. 07, 2023	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 31, 2023~ Dec. 07, 2023	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Jul. 31, 2023~ Dec. 07, 2023	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,803 950/2	N/A	Jun. 13, 2023	Jul. 31, 2023~ Dec. 07, 2023	Jun. 12, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-153 0-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 14, 2023	Jul. 31, 2023~ Dec. 07, 2023	Jun. 13, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5- 6750-18000-40S T	SN6	6.75GHz High Pass Filter	Jun. 07, 2023	Jul. 31, 2023~ Dec. 07, 2023	Jun. 06, 2024	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN4	N/A	Jul. 26, 2023	Jul. 31, 2023~ Dec. 07, 2023	Jul. 25, 2024	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Sep. 28, 2023	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 28, 2023	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZB ECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 01, 2022	Sep. 28, 2023	Oct. 31, 2023	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 15, 2023	Sep. 28, 2023	Mar. 14, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 05, 2023	Sep. 28, 2023	Mar. 04, 2024	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 13, 2023	Sep. 28, 2023	Mar. 12, 2024	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	9kHz~7GHz	Feb. 24, 2023	Sep. 28, 2023	Feb. 23, 2024	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Jul. 24, 2023~ Nov. 06, 2023	Nov. 16, 2023	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Nov. 07, 2023~ Dec. 12, 2023	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Jul. 24, 2023~ Dec. 11, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 37 (NO:167)	10MHz~6GHz	Dec. 01, 2023	Dec. 12, 2023	Nov. 30, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz ~ 40GHz	Dec. 26, 2022	Jul. 24, 2023~ Dec. 12, 2023	Dec. 25, 2023	Conducted (TH05-HY)



5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.46 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.3 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.5 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.5 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu and Willy Chang	Temperature:	21~25	°C
Test Date:	2023/7/24~2023/12/12	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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	169	5845	41.06	38.36	44.10	52.92	15.85	16.10	0.5	Pass
11a	6Mbps	2	173	5865	40.66	37.96	43.56	53.16	15.45	16.45	0.5	Pass
11a	6Mbps	2	177	5885	39.26	36.86	43.50	44.10	15.80	16.40	0.5	Pass
HT20	MCS0	2	169	5845	42.36	38.06	46.50	62.53	17.00	17.65	0.5	Pass
HT20	MCS0	2	173	5865	42.56	36.86	46.66	58.82	16.40	17.75	0.5	Pass
HT20	MCS0	2	177	5885	42.86	36.26	44.78	54.93	17.30	17.65	0.5	Pass
HT40	MCS0	2	167	5835	48.35	46.35	86.88	84.64	35.37	36.45	0.5	Pass
HT40	MCS0	2	175	5875	46.15	43.66	88.00	83.52	35.37	35.55	0.5	Pass
VHT80	MCS0	2	171	5855	76.00	75.76	133.76	120.64	75.52	75.52	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-4 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			DG (dBi)	E.I.R.P Power (dBm)	E.I.R.P Limit (dBm)
					Ant 4	Ant 3	SUM			
11a	6Mbps	2	169	5845	19.90	19.50	22.71	-3.30	19.41	30
11a	6Mbps	2	173	5865	19.90	19.30	22.62	-3.30	19.32	30
11a	6Mbps	2	177	5885	19.00	18.50	21.77	-3.30	18.47	30
HT20	MCS0	2	169	5845	19.90	19.50	22.71	-3.30	19.41	30
HT20	MCS0	2	173	5865	19.90	19.40	22.67	-3.30	19.37	30
HT20	MCS0	2	177	5885	19.80	19.40	22.61	-3.30	19.31	30
HT40	MCS0	2	167	5835	17.80	17.50	20.66	-3.30	17.36	30
HT40	MCS0	2	175	5875	17.90	17.50	20.71	-3.30	17.41	30
VHT20	MCS0	2	169	5845	18.90	18.10	21.53	-3.30	18.23	30
VHT20	MCS0	2	173	5865	18.90	18.10	21.53	-3.30	18.23	30
VHT20	MCS0	2	177	5885	18.80	18.30	21.57	-3.30	18.27	30
VHT40	MCS0	2	167	5835	17.80	17.50	20.66	-3.30	17.36	30
VHT40	MCS0	2	175	5875	17.90	17.50	20.71	-3.30	17.41	30
VHT80	MCS0	2	171	5855	16.90	16.00	19.48	-3.30	16.18	30

TEST RESULTS DATA
Power Spectral Density

UNII-4 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			DG (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM				
11a	6Mbps	2	169	5845	0.29	0.30			12.00	-0.29	11.71	14.00	Pass
11a	6Mbps	2	173	5865	0.29	0.30			11.93	-0.29	11.64	14.00	Pass
11a	6Mbps	2	177	5885	0.29	0.30			10.74	-0.29	10.45	14.00	Pass
HT20	MCS0	2	169	5845	0.31	0.31			11.80	-0.29	11.51	14.00	Pass
HT20	MCS0	2	173	5865	0.31	0.31			11.80	-0.29	11.51	14.00	Pass
HT20	MCS0	2	177	5885	0.31	0.31			11.87	-0.29	11.58	14.00	Pass
HT40	MCS0	2	167	5835	0.32	0.33			6.59	-0.29	6.30	14.00	Pass
HT40	MCS0	2	175	5875	0.32	0.33			6.91	-0.29	6.62	14.00	Pass
VHT80	MCS0	2	171	5855	0.46	0.46			2.73	-0.29	2.44	14.00	Pass

Note: PSD Sum = Max PSD(Ant. 4, Ant. 3) + 10 log (n)

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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	169	5845	Full	21.98	24.98	39.06	40.80	17.85	17.10	0.5	Pass
HE20	MCS0	2	173	5865	Full	23.33	24.73	40.86	43.26	17.85	17.05	0.5	Pass
HE20	MCS0	2	177	5885	Full	22.63	23.63	39.78	42.48	18.05	17.15	0.5	Pass
HE40	MCS0	2	167	5835	Full	38.96	38.96	73.68	77.88	37.71	37.71	0.5	Pass
HE40	MCS0	2	175	5875	Full	39.46	39.36	68.04	78.36	36.90	37.08	0.5	Pass
HE80	MCS0	2	171	5855	Full	77.20	77.20	101.04	85.44	77.28	76.32	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-4 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			DG (dBi)	E.I.R.P Power (dBm)	E.I.R.P Limit (dBm)
						Ant 4	Ant 3	SUM			
HE20	MCS0	2	169	5845	Full	19.00	18.20	21.63	-3.30	18.33	30
HE20	MCS0	2	169	5845	26/0	10.30	9.70	13.02	-3.30	9.72	30
HE20	MCS0	2	169	5845	52/37	12.70	13.00	15.86	-3.30	12.56	30
HE20	MCS0	2	169	5845	106/53	16.00	15.80	18.91	-3.30	15.61	30
HE20	MCS0	2	173	5865	Full	19.00	18.20	21.63	-3.30	18.33	30
HE20	MCS0	2	173	5865	26/4	10.70	10.20	13.47	-3.30	10.17	30
HE20	MCS0	2	173	5865	52/38	12.90	12.30	15.62	-3.30	12.32	30
HE20	MCS0	2	173	5865	106/53	15.50	14.90	18.22	-3.30	14.92	30
HE20	MCS0	2	177	5885	Full	18.90	18.40	21.67	-3.30	18.37	30
HE20	MCS0	2	177	5885	26/8	10.70	9.40	13.11	-3.30	9.81	30
HE20	MCS0	2	177	5885	52/40	12.90	12.40	15.67	-3.30	12.37	30
HE20	MCS0	2	177	5885	106/54	15.50	15.10	18.31	-3.30	15.01	30
HE40	MCS0	2	167	5835	Full	17.90	17.60	20.76	-3.30	17.46	30
HE40	MCS0	2	175	5875	Full	18.00	17.60	20.81	-3.30	17.51	30
HE80	MCS0	2	171	5855	Full	17.00	16.10	19.58	-3.30	16.28	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 with Duty Factor (dBm/MHz)			DG (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM				
HE20	MCS0	2	169	5845	Full	0.40	0.40			9.83	-0.29	9.54	14.00	Pass
HE20	MCS0	2	169	5845	26/0	0.48	0.48			9.67	-0.29	9.38	14.00	Pass
HE20	MCS0	2	169	5845	52/37	0.53	0.52			9.61	-0.29	9.32	14.00	Pass
HE20	MCS0	2	169	5845	106/53	0.58	0.58			9.82	-0.29	9.53	14.00	Pass
HE20	MCS0	2	173	5865	Full	0.40	0.40			9.70	-0.29	9.41	14.00	Pass
HE20	MCS0	2	173	5865	26/4	0.48	0.48			9.56	-0.29	9.27	14.00	Pass
HE20	MCS0	2	173	5865	52/38	0.53	0.52			9.60	-0.29	9.31	14.00	Pass
HE20	MCS0	2	173	5865	106/53	0.58	0.58			9.24	-0.29	8.95	14.00	Pass
HE20	MCS0	2	177	5885	Full	0.40	0.40			9.77	-0.29	9.48	14.00	Pass
HE20	MCS0	2	177	5885	26/8	0.48	0.48			9.71	-0.29	9.42	14.00	Pass
HE20	MCS0	2	177	5885	52/40	0.53	0.52			9.67	-0.29	9.38	14.00	Pass
HE20	MCS0	2	177	5885	106/54	0.58	0.58			9.36	-0.29	9.07	14.00	Pass
HE40	MCS0	2	167	5835	Full	0.40	0.40			6.99	-0.29	6.70	14.00	Pass
HE40	MCS0	2	175	5875	Full	0.40	0.40			7.00	-0.29	6.71	14.00	Pass
HE80	MCS0	2	171	5855	Full	0.54	0.54			-2.70	-0.29	-2.99	14.00	Pass

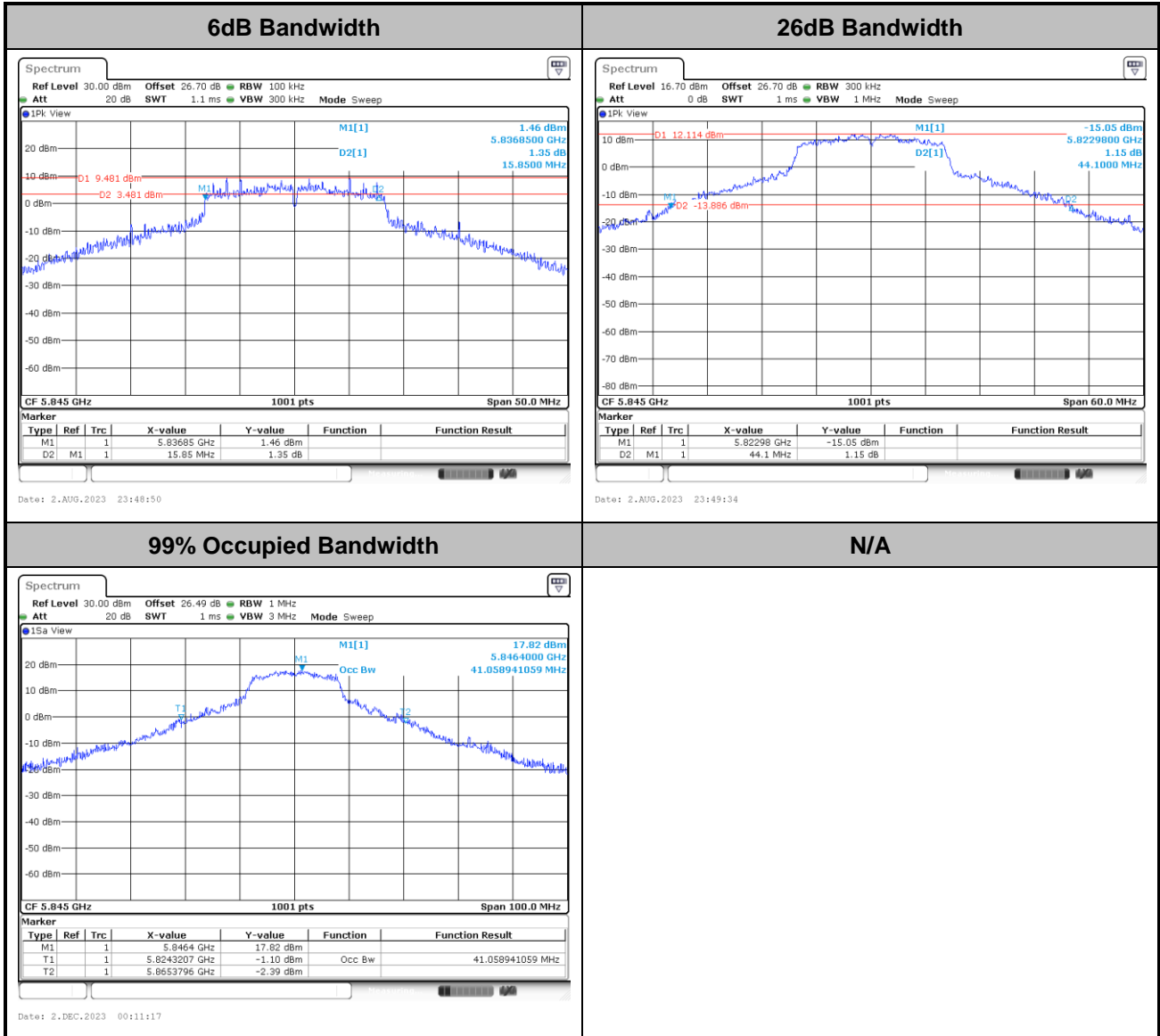
Note: PSD Sum = Max PSD(Ant. 4, Ant. 3) + 10 log (n)



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

MIMO <Ant. 4+3>

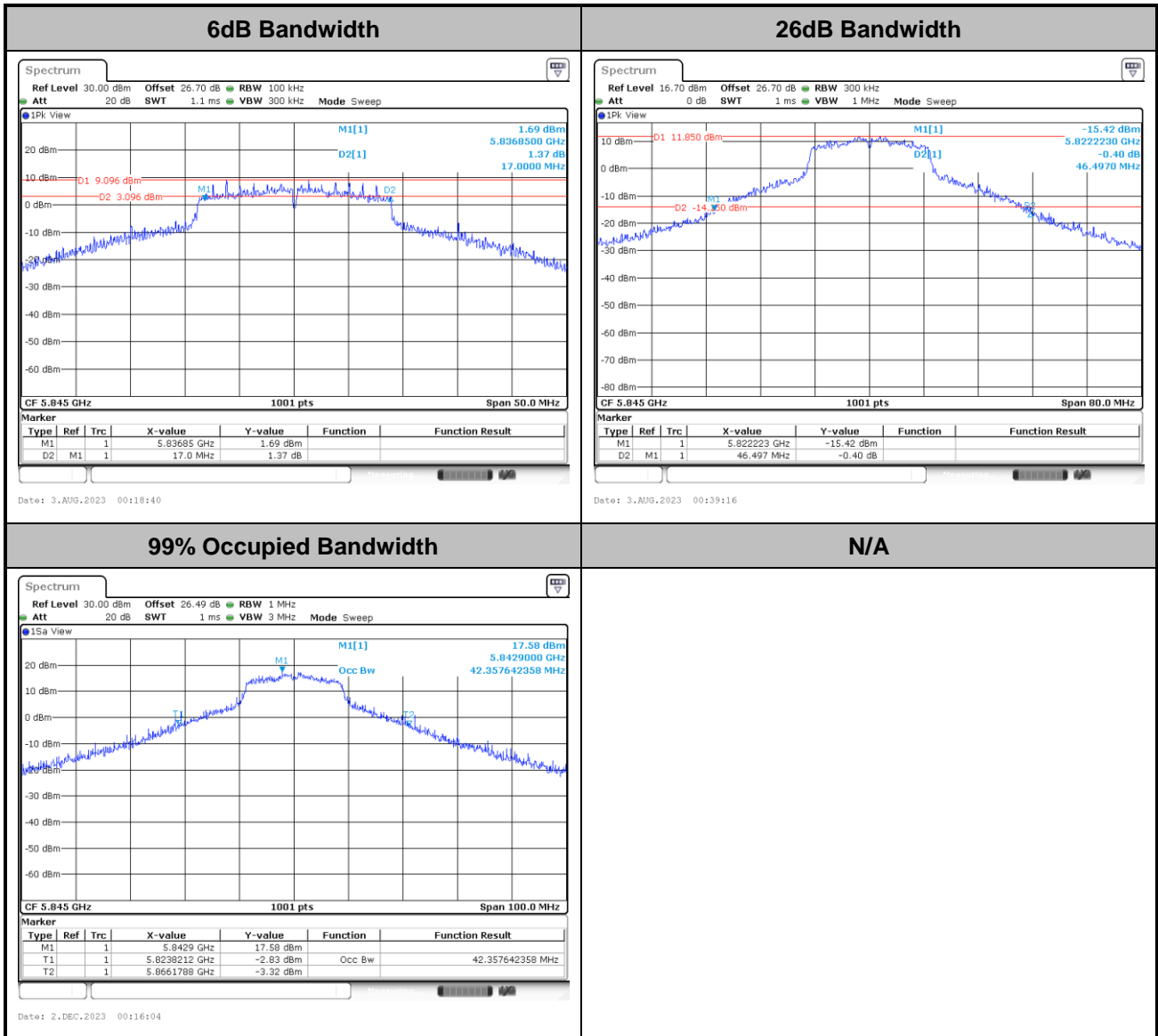
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Note: The occupied channel bandwidth is maintained within the band of operation.



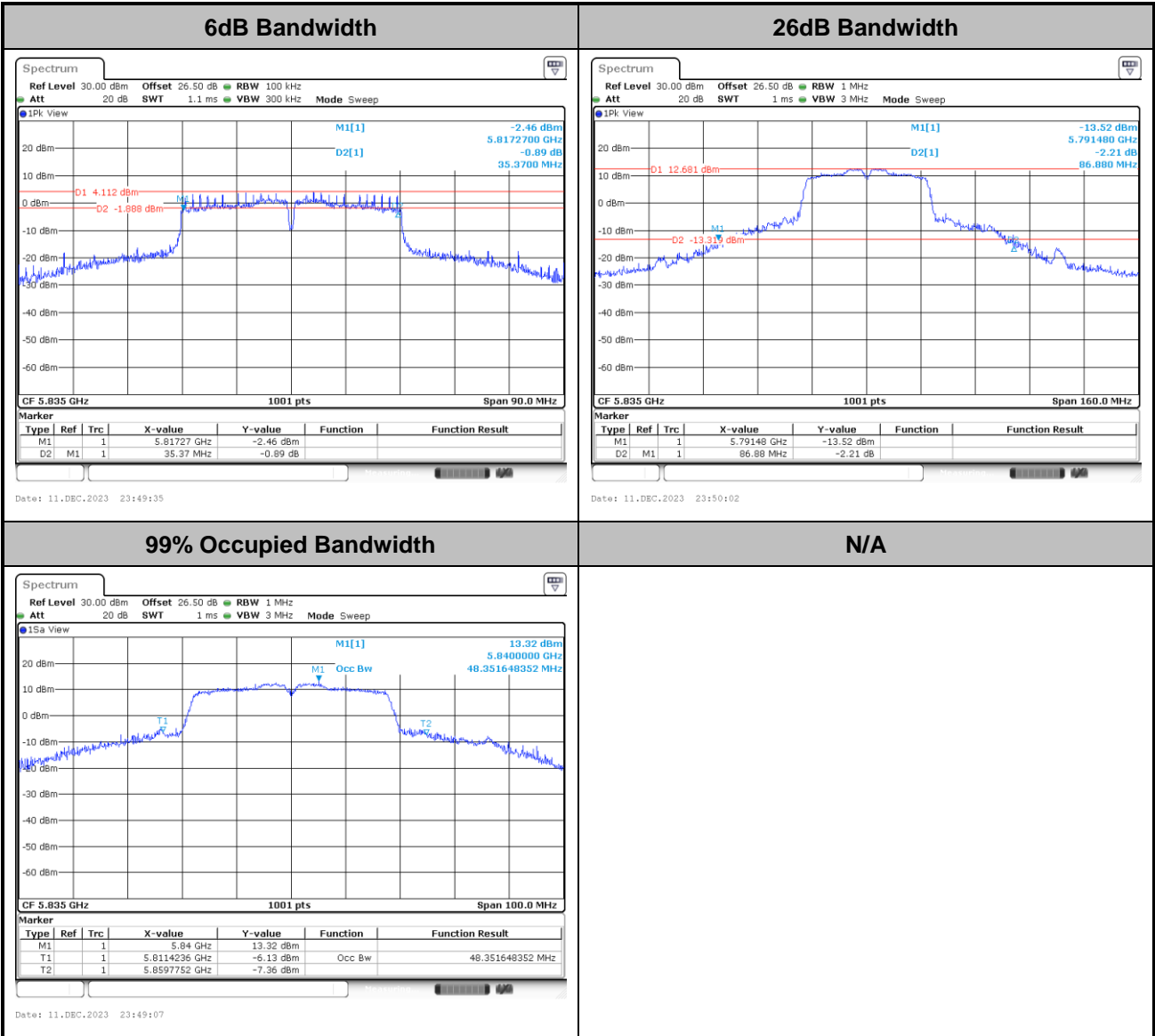
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Note: The occupied channel bandwidth is maintained within the band of operation.



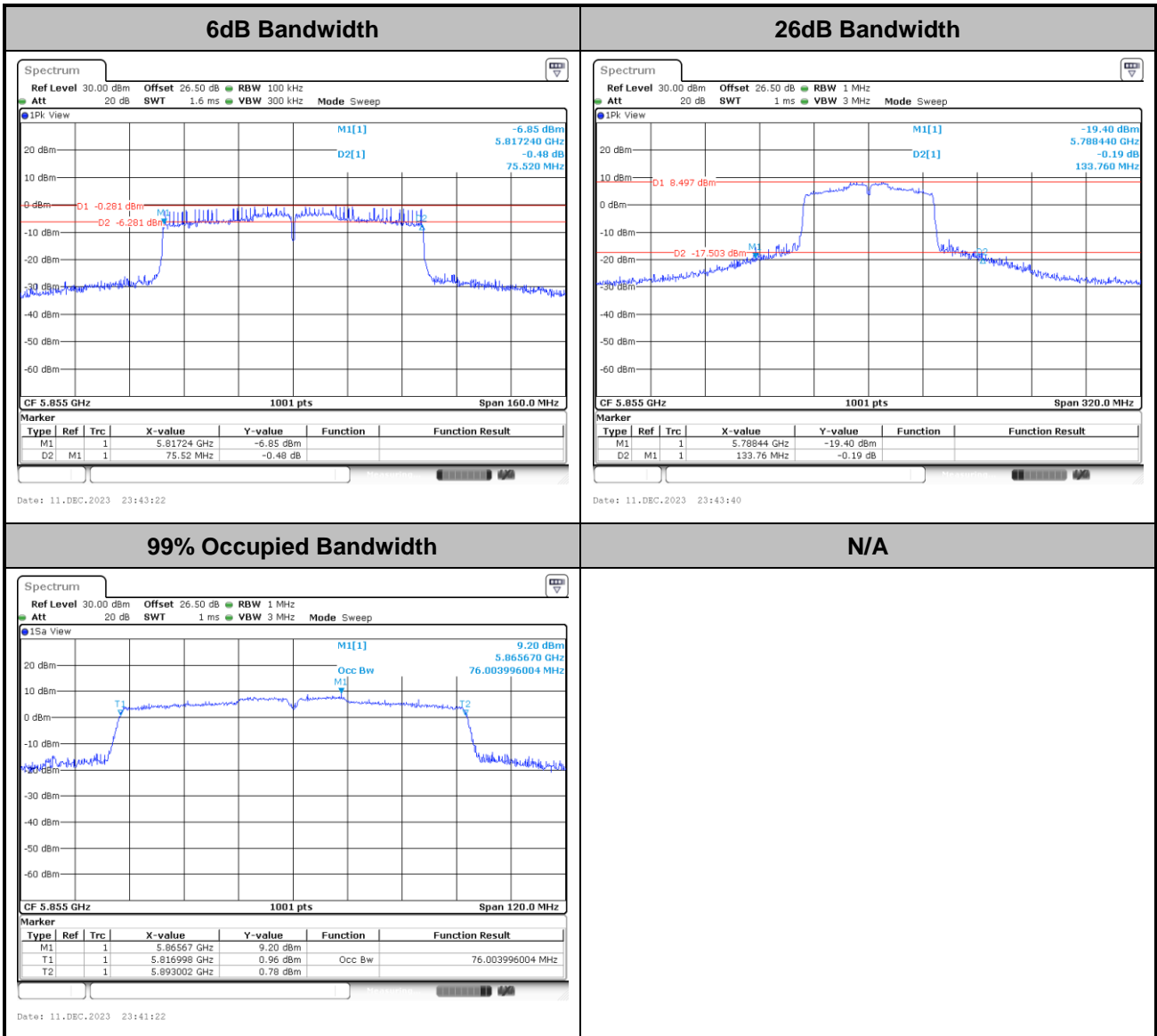
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Note: The occupied channel bandwidth is maintained within the band of operation.



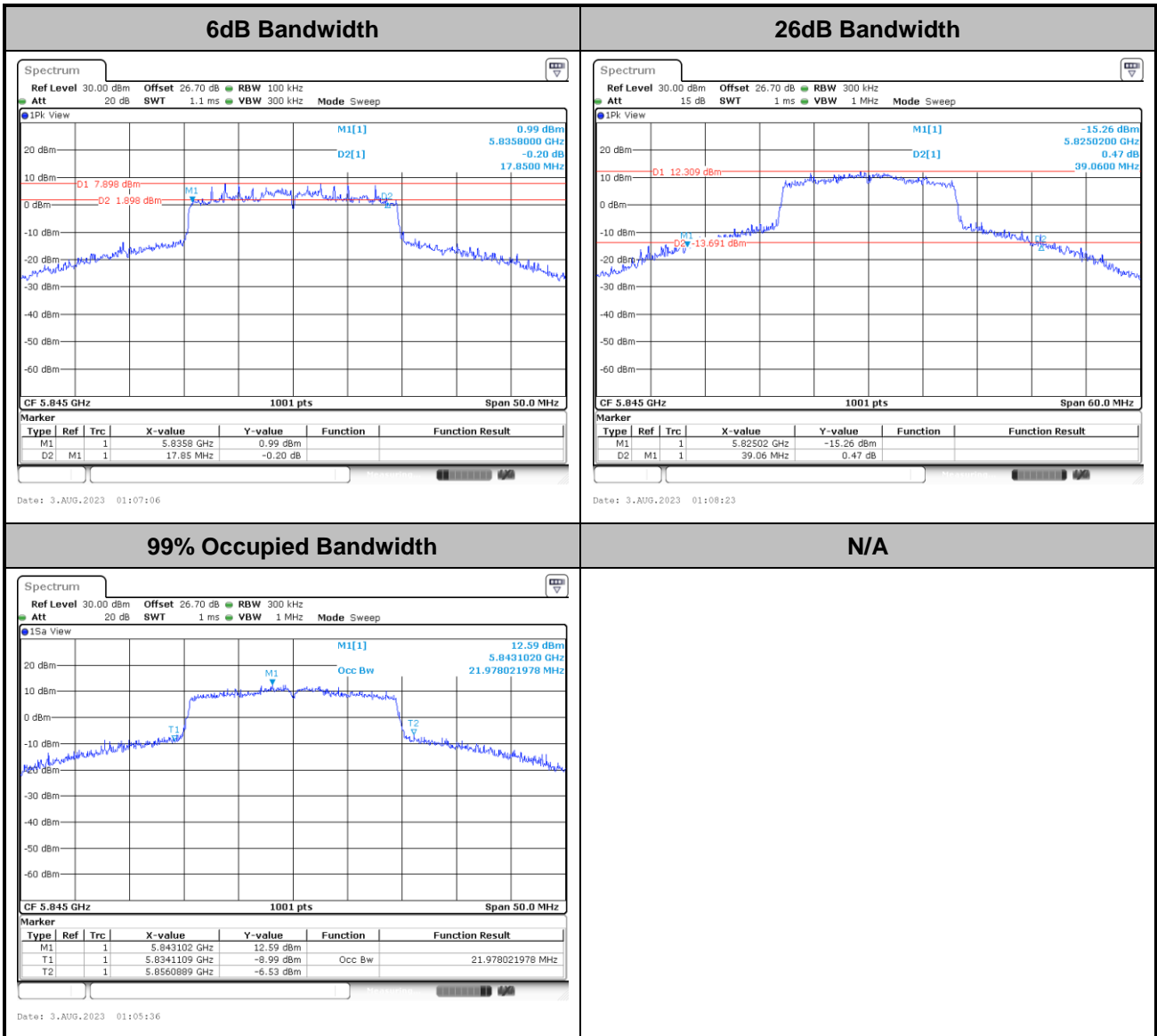
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Note: The occupied channel bandwidth is maintained within the band of operation.



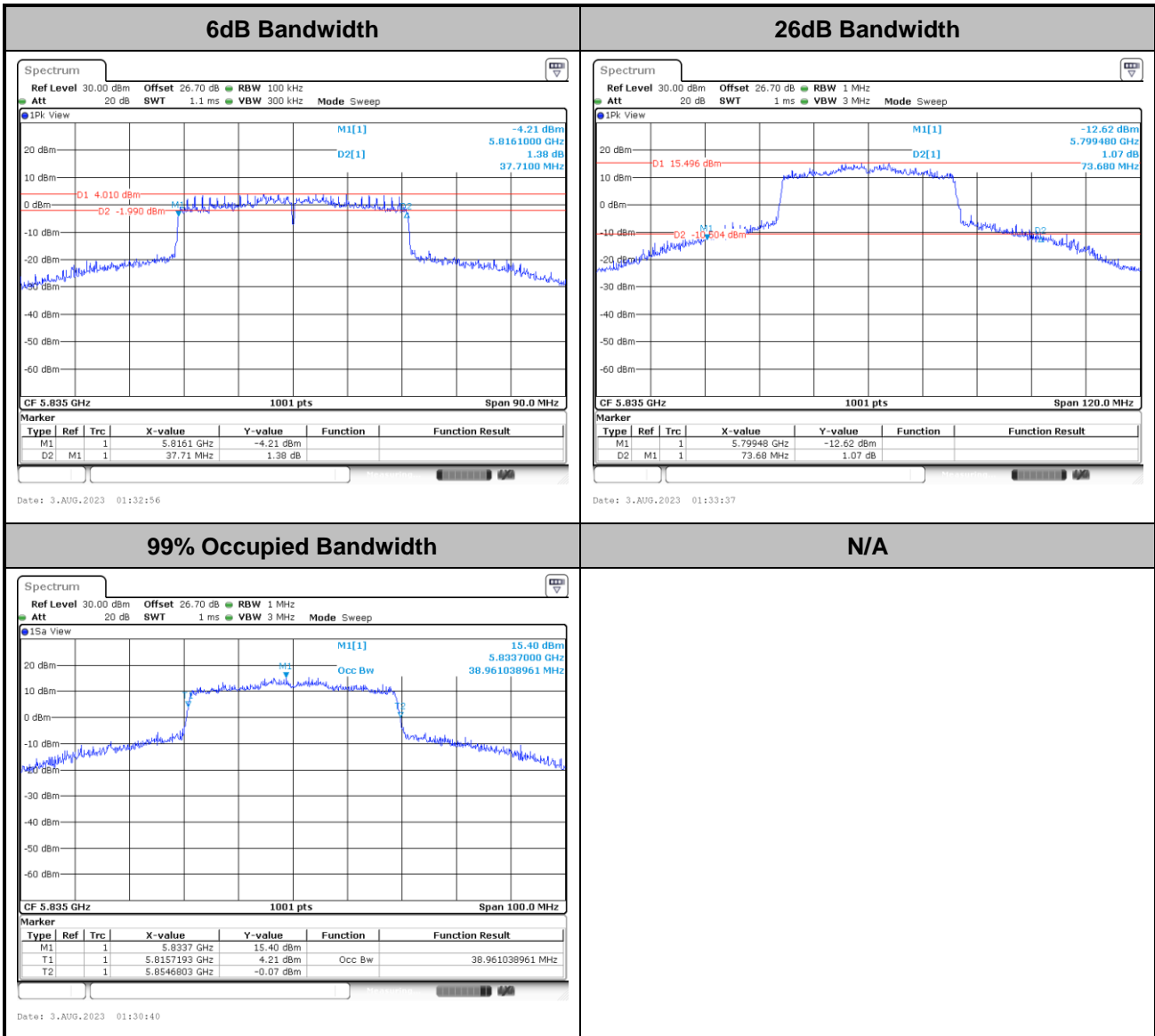
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Note: The occupied channel bandwidth is maintained within the band of operation.



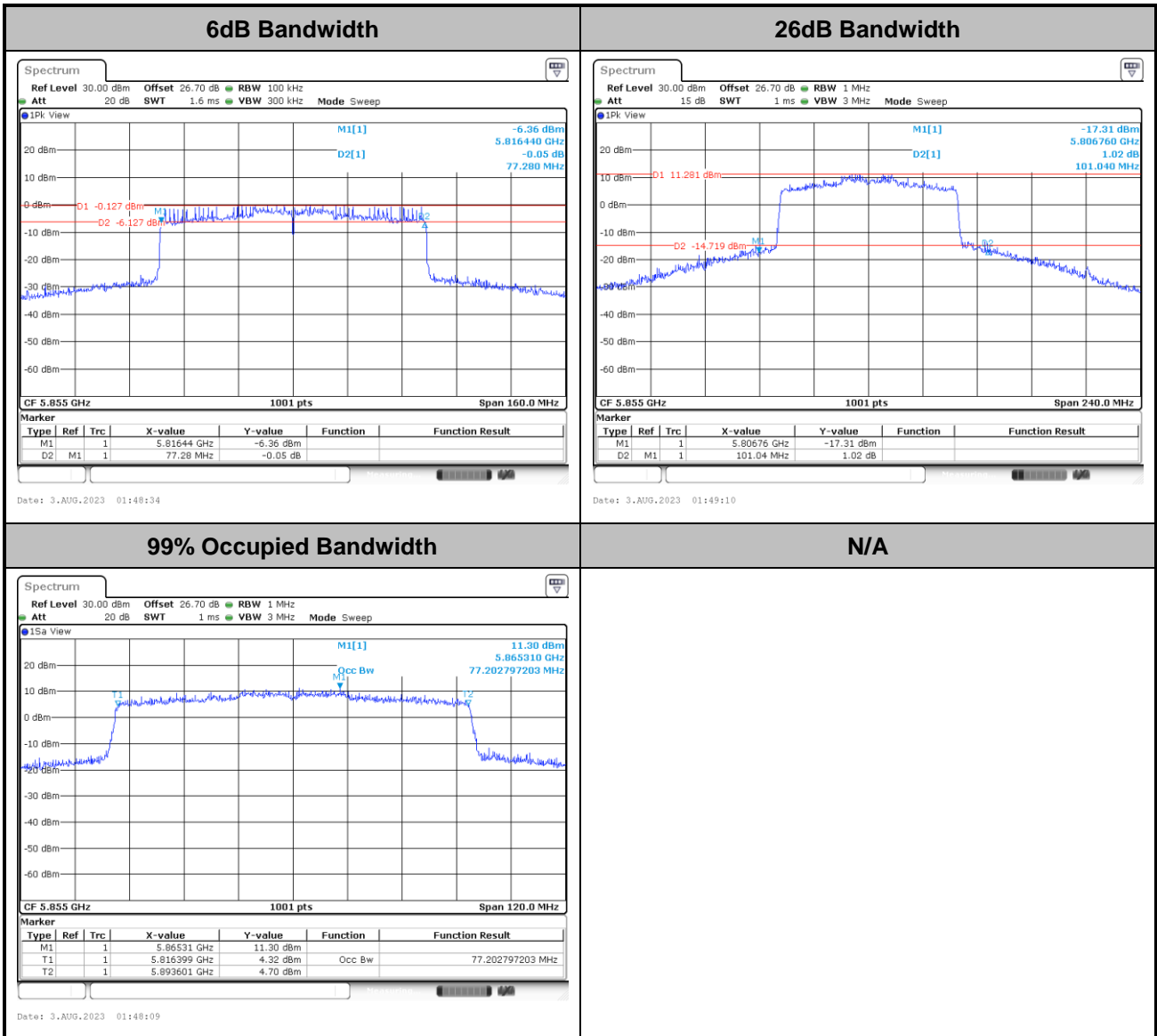
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Note: The occupied channel bandwidth is maintained within the band of operation.



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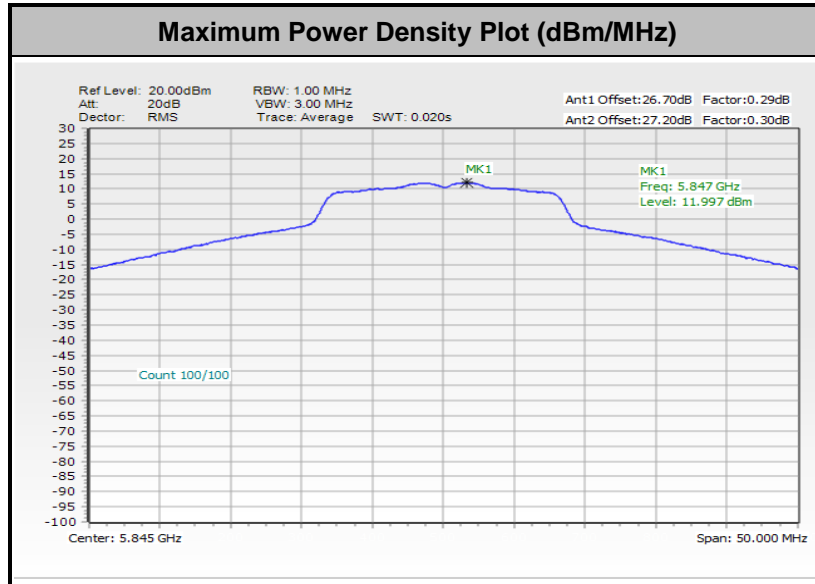


Note: The occupied channel bandwidth is maintained within the band of operation.

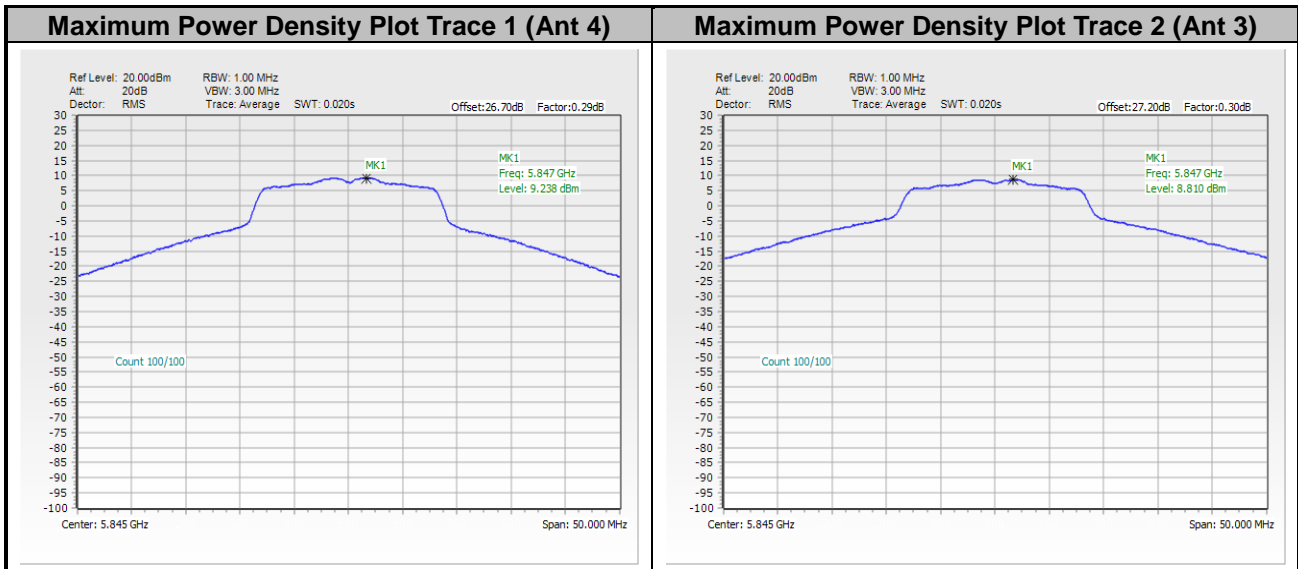


Test Result of Power Spectral Density

<802.11a>

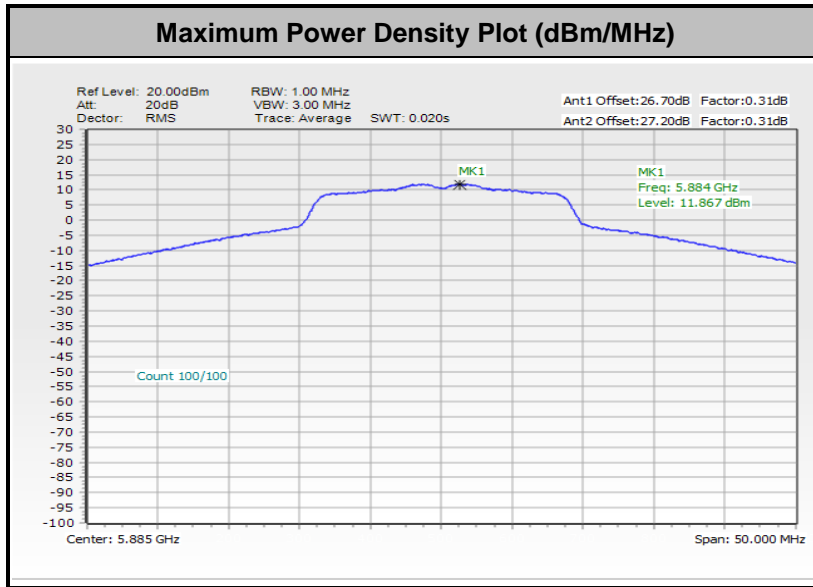


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

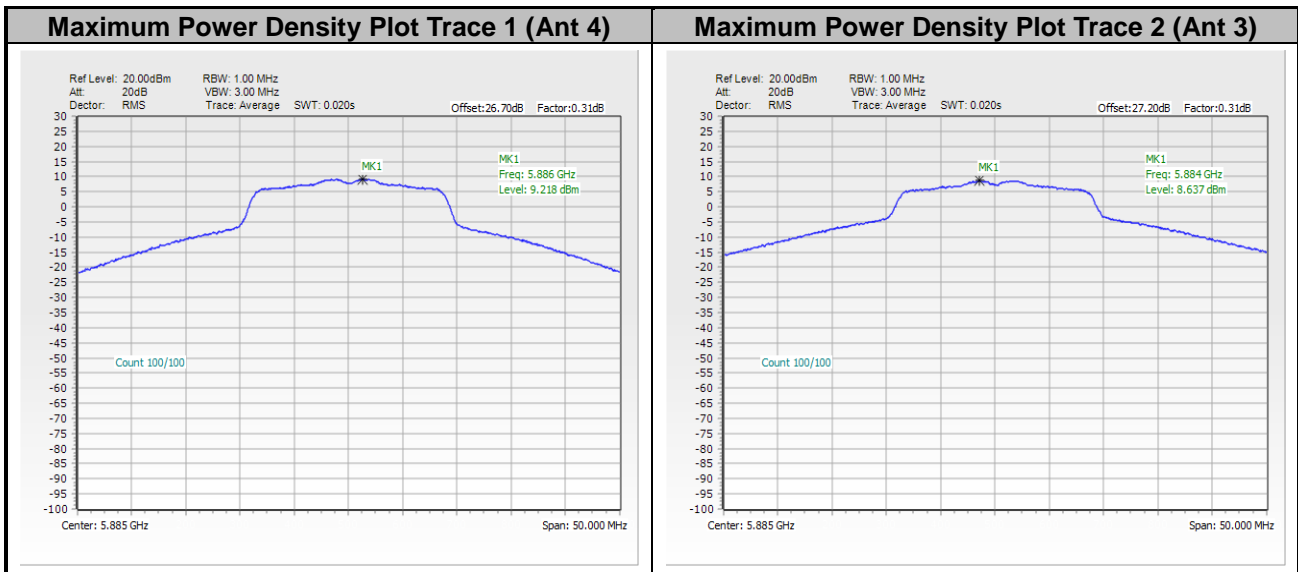




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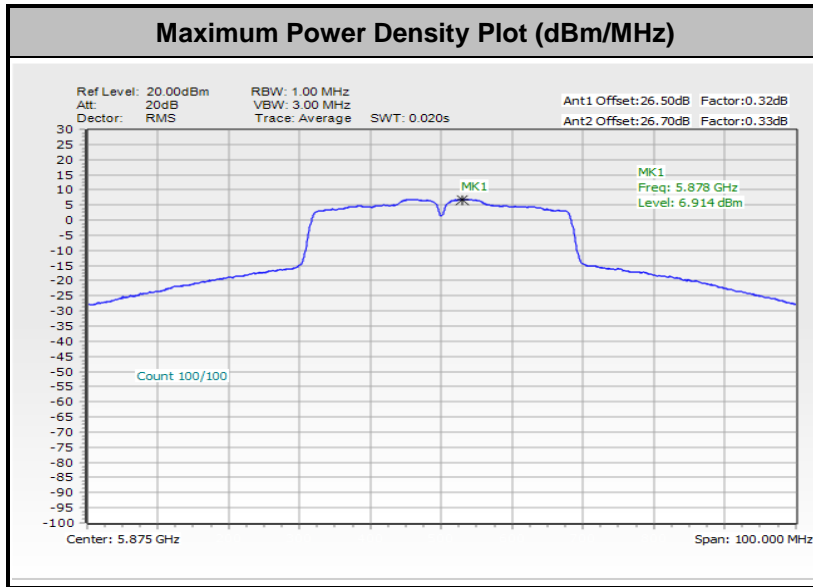


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

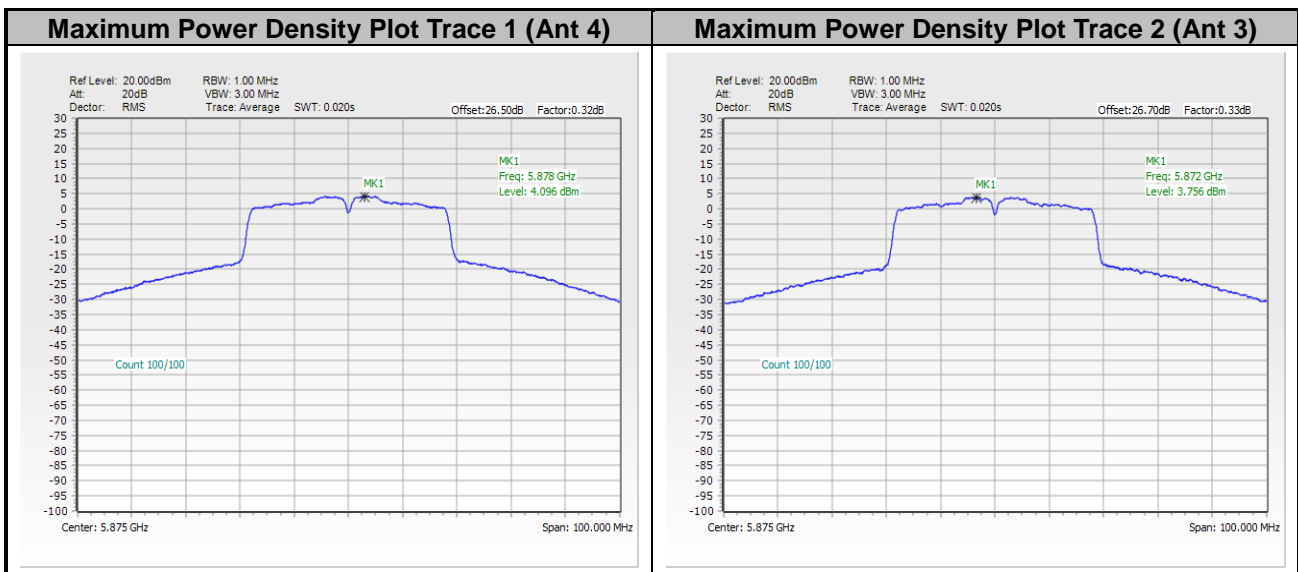




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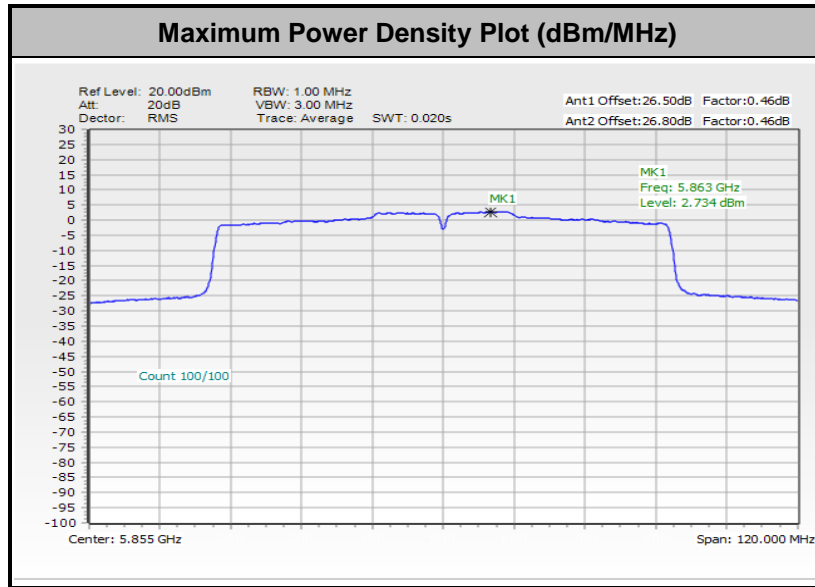


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

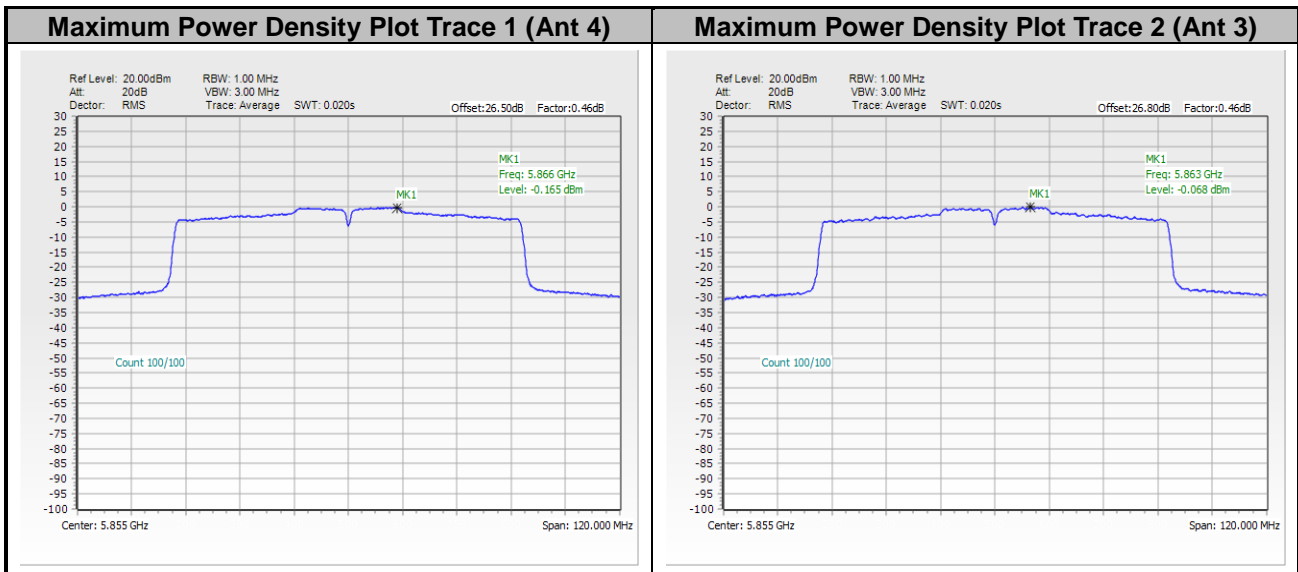




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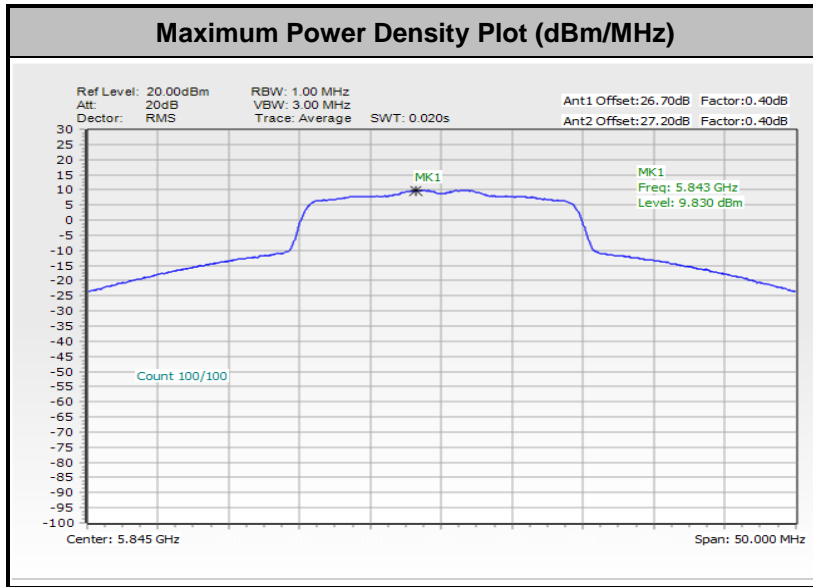


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

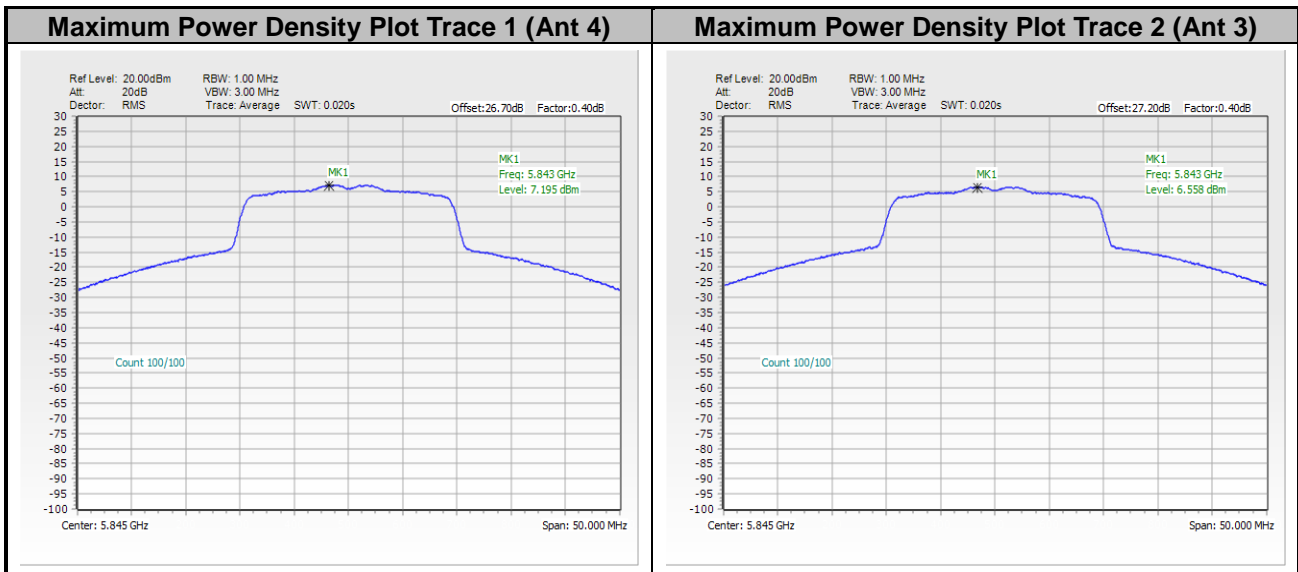




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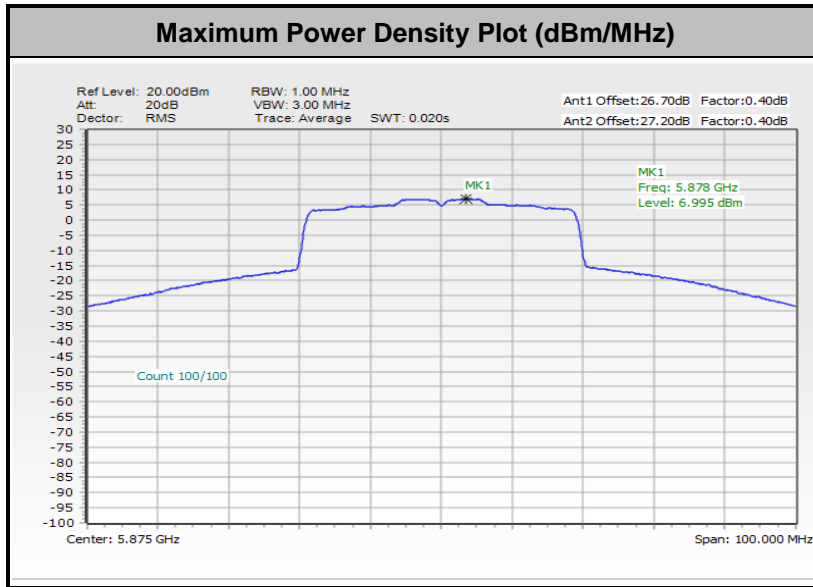


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

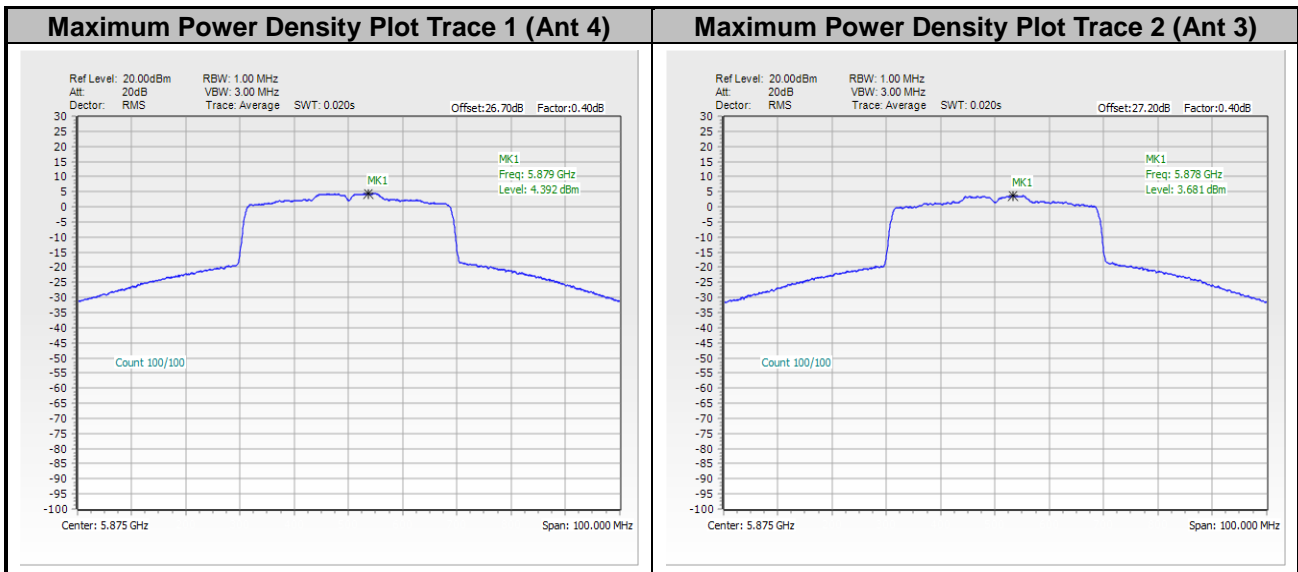




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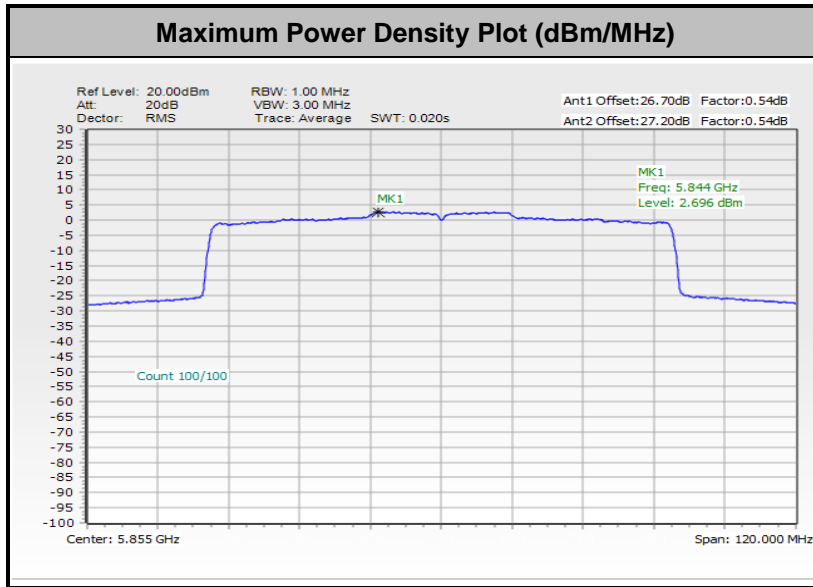


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

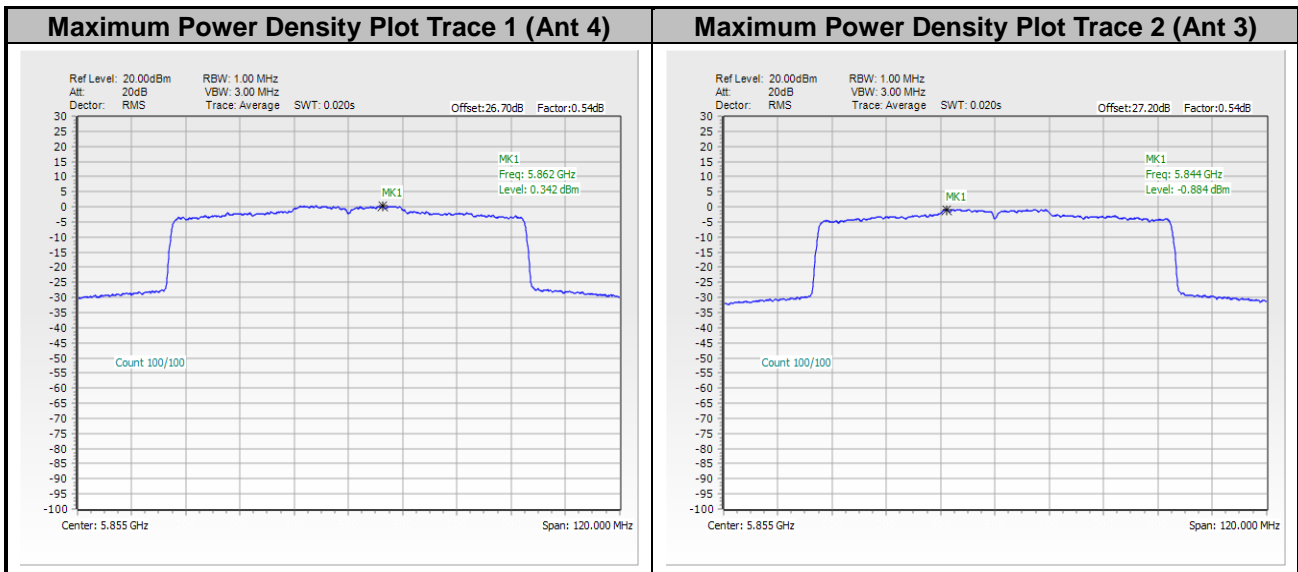




<802.11ax HE80>



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





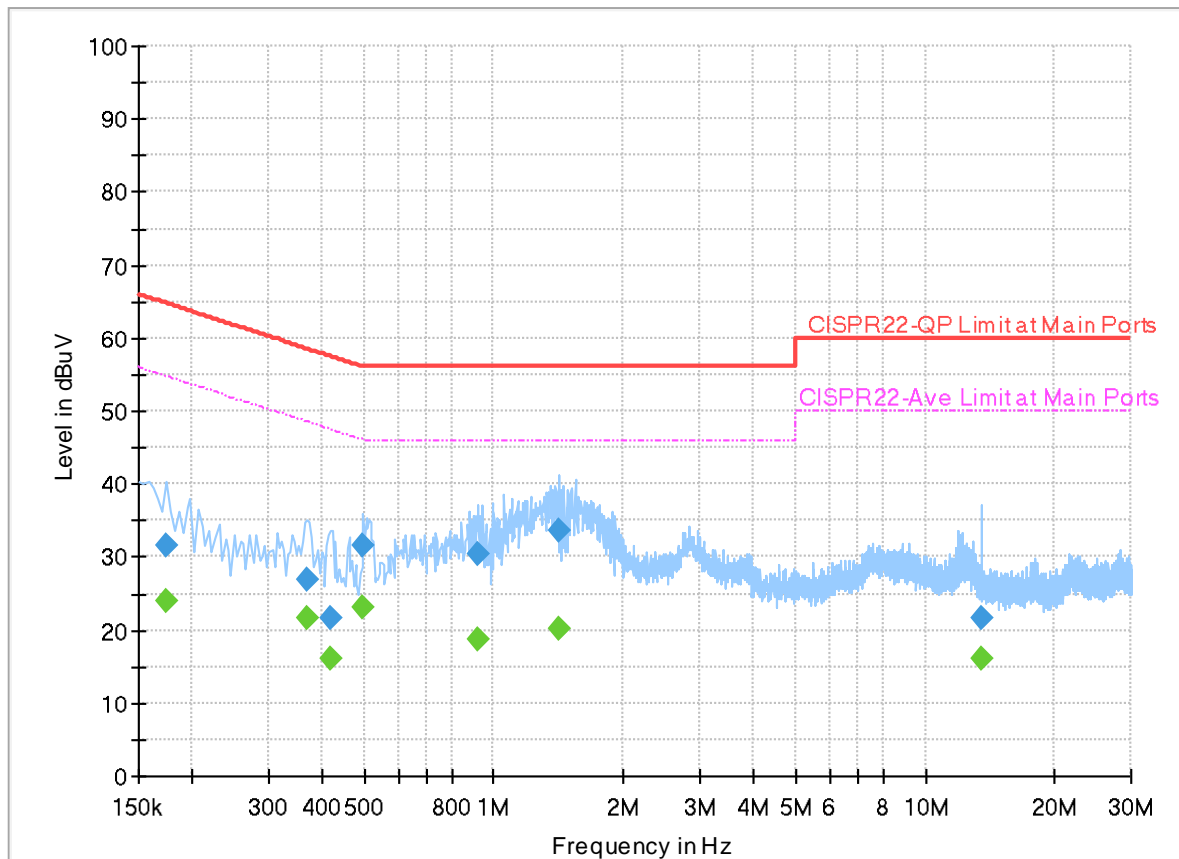
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	23.4~26.7°C
		Relative Humidity :	62.3~67.1%

EUT Information

Report NO : 380307
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



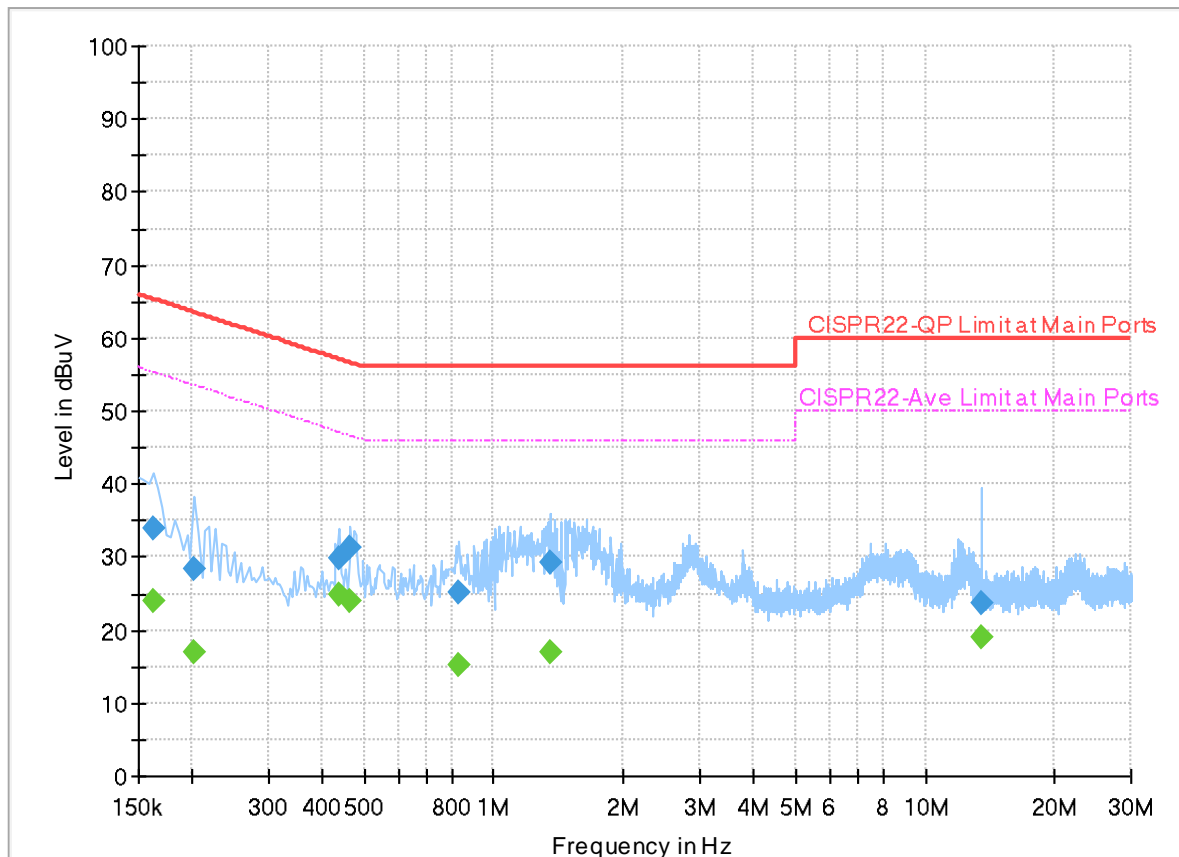
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174000	---	24.08	54.77	30.69	L1	OFF	19.9
0.174000	31.49	---	64.77	33.28	L1	OFF	19.9
0.370000	---	21.61	48.50	26.89	L1	OFF	19.9
0.370000	26.91	---	58.50	31.59	L1	OFF	19.9
0.418000	---	16.05	47.49	31.44	L1	OFF	20.0
0.418000	21.55	---	57.49	35.94	L1	OFF	20.0
0.498000	---	23.13	46.03	22.90	L1	OFF	20.0
0.498000	31.44	---	56.03	24.59	L1	OFF	20.0
0.918000	---	18.77	46.00	27.23	L1	OFF	20.0
0.918000	30.51	---	56.00	25.49	L1	OFF	20.0
1.414000	---	20.20	46.00	25.80	L1	OFF	20.0
1.414000	33.57	---	56.00	22.43	L1	OFF	20.0
13.566000	---	16.13	50.00	33.87	L1	OFF	20.1
13.566000	21.56	---	60.00	38.44	L1	OFF	20.1

EUT Information

Report NO : 380307
 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)
0.162000	---	24.05	55.36	31.31	N	OFF	19.9
0.162000	33.80	---	65.36	31.56	N	OFF	19.9
0.202000	---	16.83	53.53	36.70	N	OFF	19.9
0.202000	28.29	---	63.53	35.24	N	OFF	19.9
0.438000	---	24.93	47.10	22.17	N	OFF	20.0
0.438000	29.96	---	57.10	27.14	N	OFF	20.0
0.466000	---	23.95	46.59	22.64	N	OFF	20.0
0.466000	31.40	---	56.59	25.19	N	OFF	20.0
0.830000	---	15.25	46.00	30.75	N	OFF	20.0
0.830000	25.26	---	56.00	30.74	N	OFF	20.0
1.350000	---	16.93	46.00	29.07	N	OFF	20.0
1.350000	29.20	---	56.00	26.80	N	OFF	20.0
13.562000	---	18.96	50.00	31.04	N	OFF	20.1
13.562000	23.59	---	60.00	36.41	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Bigshow Wang and Quentin Liu	Temperature :	21~26°C
		Relative Humidity :	45~60%

UNII-4 - 5850~5895MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4+3	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 169 5845MHz		5638.055	45.99	-22.21	68.2	40.66	33.19	8.7	36.56	100	277	P	H	
		5698.825	45.44	-58.89	104.33	39.76	33.49	8.75	36.56	100	277	P	H	
		5702.955	45.96	-60.07	106.03	40.25	33.51	8.76	36.56	100	277	P	H	
		5725.08	47.7	-86.5	134.2	41.84	33.63	8.78	36.55	100	277	P	H	
	*	5845	110.46	-	-	104.04	34.09	8.87	36.54	100	277	P	H	
	*	5845	104.27	-	-	97.85	34.09	8.87	36.54	100	277	A	H	
		5895.5	64.26	-45.57	109.83	57.7	34.19	8.9	36.53	100	277	P	H	
		5925.75	56.18	-32.02	88.2	49.64	34.15	8.92	36.53	100	277	P	H	
		5897.25	58.37	-30.18	88.55	51.81	34.19	8.9	36.53	100	277	A	H	
		5925	47.89	-20.31	68.2	41.36	34.15	8.91	36.53	100	277	A	H	
														H
			5636.58	45.77	-22.43	68.2	40.45	33.18	8.7	36.56	296	257	P	V
			5690.565	45.06	-53.18	98.24	39.42	33.45	8.75	36.56	296	257	P	V
			5711.805	45.98	-62.53	108.51	40.2	33.56	8.77	36.55	296	257	P	V
			5723.605	44.78	-74.24	119.02	38.93	33.62	8.78	36.55	296	257	P	V
	*		5845	112.22	-	-	105.8	34.09	8.87	36.54	296	257	P	V
	*		5845	104.56	-	-	98.14	34.09	8.87	36.54	296	257	A	V
			5897	65.52	-43.21	108.73	58.96	34.19	8.9	36.53	296	257	P	V
			5928.5	53.99	-34.21	88.2	47.46	34.14	8.92	36.53	296	257	P	V
			5896.5	56.82	-32.28	89.1	50.26	34.19	8.9	36.53	296	257	A	V
		5928.75	45.52	-22.68	68.2	38.99	34.14	8.92	36.53	296	257	A	V	
													V	



WIFI Ant. 4+3	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)
		5631.565	45.98	-22.22	68.2	40.68	33.16	8.7	36.56	100	276	P	H
		5650.15	45.93	-22.38	68.31	40.53	33.25	8.71	36.56	100	276	P	H
		5718	46.32	-63.92	110.24	40.51	33.59	8.77	36.55	100	276	P	H
		5723.605	45.12	-73.9	119.02	39.27	33.62	8.78	36.55	100	276	P	H
	*	5865	110.7	-	-	104.23	34.13	8.88	36.54	100	276	P	H
	*	5865	104.84	-	-	98.37	34.13	8.88	36.54	100	276	A	H
		5897.25	80.41	-28.14	108.55	73.85	34.19	8.9	36.53	100	276	P	H
		5932.5	62.11	-26.09	88.2	55.58	34.14	8.92	36.53	100	276	P	H
		5895.5	71.7	-18.13	89.83	65.14	34.19	8.9	36.53	100	276	A	H
		5925	54.7	-13.5	68.2	48.17	34.15	8.91	36.53	100	276	A	H
													H
													H
802.11a													
CH 173													
5865MHz		5633.63	45.9	-22.3	68.2	40.59	33.17	8.7	36.56	325	261	P	V
		5654.28	45.78	-25.6	71.38	40.35	33.27	8.72	36.56	325	261	P	V
		5718.59	46.2	-64.21	110.41	40.39	33.59	8.77	36.55	325	261	P	V
		5721.245	45.14	-68.5	113.64	39.31	33.61	8.77	36.55	325	261	P	V
	*	5865	111.83	-	-	105.36	34.13	8.88	36.54	325	261	P	V
	*	5865	105.21	-	-	98.74	34.13	8.88	36.54	325	261	A	V
		5896	77.85	-31.61	109.46	71.29	34.19	8.9	36.53	325	261	P	V
		5925	58.82	-29.38	88.2	52.29	34.15	8.91	36.53	325	261	P	V
		5896.25	68.97	-20.31	89.28	62.41	34.19	8.9	36.53	325	261	A	V
		5925	52.32	-15.88	68.2	45.79	34.15	8.91	36.53	325	261	A	V
													V
													V



WIFI Ant. 4+3	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)
		5639.825	45.09	-23.11	68.2	39.75	33.2	8.7	36.56	100	243	P	H
		5653.1	45.37	-25.13	70.5	39.94	33.27	8.72	36.56	100	243	P	H
		5714.165	45.28	-63.89	109.17	39.49	33.57	8.77	36.55	100	243	P	H
		5723.9	44.23	-75.46	119.69	38.38	33.62	8.78	36.55	100	243	P	H
	*	5885	109.38	-	-	102.85	34.17	8.89	36.53	100	243	P	H
	*	5885	102.25	-	-	95.72	34.17	8.89	36.53	100	243	A	H
		5895.75	89.41	-20.24	109.65	82.85	34.19	8.9	36.53	100	243	P	H
		5929.5	63.83	-24.37	88.2	57.3	34.14	8.92	36.53	100	243	P	H
		5895.25	83.97	-6.05	90.02	77.41	34.19	8.9	36.53	100	243	A	H
		5925	57.43	-10.77	68.2	50.9	34.15	8.91	36.53	100	243	A	H
													H
													H
802.11a													
CH 177													
5885MHz		5648.675	45.17	-23.03	68.2	39.78	33.24	8.71	36.56	320	255	P	V
		5659.59	45.6	-29.72	75.32	40.14	33.3	8.72	36.56	320	255	P	V
		5704.725	44.58	-61.94	106.52	38.86	33.52	8.76	36.56	320	255	P	V
		5721.835	43.64	-71.34	114.98	37.81	33.61	8.77	36.55	320	255	P	V
	*	5885	111.02	-	-	104.49	34.17	8.89	36.53	320	255	P	V
	*	5885	104.8	-	-	98.27	34.17	8.89	36.53	320	255	A	V
		5895.75	91.61	-18.04	109.65	85.05	34.19	8.9	36.53	320	255	P	V
		5925	69.12	-19.08	88.2	62.59	34.15	8.91	36.53	320	255	P	V
		5895.25	85.51	-4.51	90.02	78.95	34.19	8.9	36.53	320	255	A	V
		5925	59.84	-8.36	68.2	53.31	34.15	8.91	36.53	320	255	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII- 4 5850~5895MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	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 169 5845MHz		11690	49.32	-24.68	74	54.1	39.01	13.2	56.99	-	-	P	H	
		11690	38.42	-15.58	54	43.2	39.01	13.2	56.99	-	-	A	H	
		17535	51.14	-17.06	68.2	52.76	39.79	16.31	57.72	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11690	48.08	-25.92	74	52.86	39.01	13.2	56.99	-	-	P	V
			11690	40.74	-13.26	54	45.52	39.01	13.2	56.99	-	-	A	V
		17535	50.74	-17.46	68.2	52.36	39.79	16.31	57.72	-	-	P	V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	



WIFI Ant. 4+3	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	47.55	-26.45	74	52.28	39.02	13.21	56.96	-	-	P	H
		17595	54.2	-14	68.2	55.43	40.02	16.32	57.57	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
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													H
													H
													H
													H
			11730	47.74	-26.26	74	52.47	39.02	13.21	56.96	-	-	P
		17595	53.63	-14.57	68.2	54.86	40.02	16.32	57.57	-	-	P	V
													V
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WiFi Ant. 4+3	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	49.9	-24.1	74	54.57	39.03	13.24	56.94	-	-	P	H	
		11770	40.39	-13.61	54	45.06	39.03	13.24	56.94	-	-	A	H	
		17655	54.87	-13.33	68.2	55.72	40.25	16.33	57.43	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11770	47.6	-26.4	74	52.27	39.03	13.24	56.94	-	-	P	V
			17655	53.66	-14.54	68.2	54.51	40.25	16.33	57.43	-	-	P	V
														V
														V
														V
														V
														V
														V
														V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 													



UNII- 4 5850~5895MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT20 CH 169 5845MHz		5626.255	46.21	-21.99	68.2	40.95	33.13	8.69	36.56	100	239	P	H	
		5661.655	46.26	-30.59	76.85	40.79	33.31	8.72	36.56	100	239	P	H	
		5718.885	46.92	-63.57	110.49	41.11	33.59	8.77	36.55	100	239	P	H	
		5723.605	45.31	-73.71	119.02	39.46	33.62	8.78	36.55	100	239	P	H	
	*	5845	109.15	-	-	102.73	34.09	8.87	36.54	100	239	P	H	
	*	5845	102.22	-	-	95.8	34.09	8.87	36.54	100	239	A	H	
		5895.5	62.22	-47.61	109.83	55.66	34.19	8.9	36.53	100	239	P	H	
		5932	53.68	-34.52	88.2	47.15	34.14	8.92	36.53	100	239	P	H	
		5895.5	56.1	-33.73	89.83	49.54	34.19	8.9	36.53	100	239	A	H	
		5926	46.06	-22.14	68.2	39.52	34.15	8.92	36.53	100	239	A	H	
														H
														H
			5643.955	45.89	-22.31	68.2	40.52	33.22	8.71	36.56	400	261	P	V
			5689.09	45.8	-51.35	97.15	40.16	33.45	8.75	36.56	400	261	P	V
			5718.59	44.69	-65.72	110.41	38.88	33.59	8.77	36.55	400	261	P	V
			5720.95	44.37	-68.6	112.97	38.55	33.6	8.77	36.55	400	261	P	V
	*		5845	110.39	-	-	103.97	34.09	8.87	36.54	400	261	P	V
	*		5845	103.01	-	-	96.59	34.09	8.87	36.54	400	261	A	V
			5898.25	58.46	-49.35	107.81	51.89	34.2	8.9	36.53	400	261	P	V
			5926.5	50.55	-37.65	88.2	44.01	34.15	8.92	36.53	400	261	P	V
		5895.25	52.64	-37.38	90.02	46.08	34.19	8.9	36.53	400	261	A	V	
		5925.25	42.04	-26.16	68.2	35.5	34.15	8.92	36.53	400	261	A	V	
													V	
													V	



WIFI Ant. 4+3	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)
		5629.5	45.81	-22.39	68.2	40.52	33.15	8.7	36.56	100	273	P	H
		5684.37	45.95	-47.72	93.67	40.35	33.42	8.74	36.56	100	273	P	H
		5714.165	44.81	-64.36	109.17	39.02	33.57	8.77	36.55	100	273	P	H
		5720.95	43.41	-69.56	112.97	37.59	33.6	8.77	36.55	100	273	P	H
	*	5865	109.32	-	-	102.85	34.13	8.88	36.54	100	273	P	H
	*	5865	103.07	-	-	96.6	34.13	8.88	36.54	100	273	A	H
		5898.5	73.62	-34.01	107.63	67.05	34.2	8.9	36.53	100	273	P	H
		5925	56.46	-31.74	88.2	49.93	34.15	8.91	36.53	100	273	P	H
		5895.25	65.95	-24.07	90.02	59.39	34.19	8.9	36.53	100	273	A	H
		5925	49.19	-19.01	68.2	42.66	34.15	8.91	36.53	100	273	A	H
802.11n													H
HT20													H
CH 173		5622.715	45.69	-22.51	68.2	40.46	33.11	8.69	36.57	400	261	P	V
5865MHz		5652.215	44.76	-25.09	69.85	39.35	33.26	8.71	36.56	400	261	P	V
		5713.87	44.71	-64.38	109.09	38.92	33.57	8.77	36.55	400	261	P	V
		5723.605	45.73	-73.29	119.02	39.88	33.62	8.78	36.55	400	261	P	V
	*	5865	110.15	-	-	103.68	34.13	8.88	36.54	400	261	P	V
	*	5865	103.37	-	-	96.9	34.13	8.88	36.54	400	261	A	V
		5895.75	73.55	-36.1	109.65	66.99	34.19	8.9	36.53	400	261	P	V
		5925.5	55.58	-32.62	88.2	49.04	34.15	8.92	36.53	400	261	P	V
		5895.75	63.8	-25.85	89.65	57.24	34.19	8.9	36.53	400	261	A	V
		5925.5	45.66	-22.54	68.2	39.12	34.15	8.92	36.53	400	261	A	V
													V
													V



WIFI Ant. 4+3	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)
		5628.615	45.78	-22.42	68.2	40.51	33.14	8.69	36.56	100	240	P	H
		5683.485	45.72	-47.29	93.01	40.12	33.42	8.74	36.56	100	240	P	H
		5718	45.46	-64.78	110.24	39.65	33.59	8.77	36.55	100	240	P	H
		5721.54	44.79	-69.52	114.31	38.96	33.61	8.77	36.55	100	240	P	H
	*	5885	109.58	-	-	103.05	34.17	8.89	36.53	100	240	P	H
	*	5885	102.9	-	-	96.37	34.17	8.89	36.53	100	240	A	H
		5897.5	90.7	-17.66	108.36	84.14	34.19	8.9	36.53	100	240	P	H
		5925.25	68.12	-20.08	88.2	61.58	34.15	8.92	36.53	100	240	P	H
		5895.25	86.14	-3.88	90.02	79.58	34.19	8.9	36.53	100	240	A	H
		5925	60.49	-7.71	68.2	53.96	34.15	8.91	36.53	100	240	A	H
802.11n													H
HT20													H
CH 177		5627.435	45.7	-22.5	68.2	40.43	33.14	8.69	36.56	337	252	P	V
5885MHz		5670.505	45.06	-38.35	83.41	39.54	33.35	8.73	36.56	337	252	P	V
		5714.165	45.26	-63.91	109.17	39.47	33.57	8.77	36.55	337	252	P	V
		5720.36	44.57	-67.05	111.62	38.75	33.6	8.77	36.55	337	252	P	V
	*	5885	109.77	-	-	103.24	34.17	8.89	36.53	337	252	P	V
	*	5885	103.37	-	-	96.84	34.17	8.89	36.53	337	252	A	V
		5895.5	91.32	-18.51	109.83	84.76	34.19	8.9	36.53	337	252	P	V
		5926	64.06	-24.14	88.2	57.52	34.15	8.92	36.53	337	252	P	V
		5895.25	86.53	-3.49	90.02	79.97	34.19	8.9	36.53	337	252	A	V
		5925	58.19	-10.01	68.2	51.66	34.15	8.91	36.53	337	252	A	V
													V
													V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												



UNII- 4 5850~5895MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11n HT20 CH 169 5845MHz		11690	47.23	-26.77	74	52.01	39.01	13.2	56.99	-	-	P	H
		17535	50.97	-17.23	68.2	52.59	39.79	16.31	57.72	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			11690	47.53	-26.47	74	52.31	39.01	13.2	56.99	-	-	P
		17535	50.8	-17.4	68.2	52.42	39.79	16.31	57.72	-	-	P	V
													V
													V
													V
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WIFI Ant. 4+3	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)	
802.11n HT20 CH 173 5865MHz		11730	47.7	-26.3	74	52.43	39.02	13.21	56.96	-	-	P	H	
		17595	54.55	-13.65	68.2	55.78	40.02	16.32	57.57	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11730	47.9	-26.1	74	52.63	39.02	13.21	56.96	-	-	P	V
			17595	54.26	-13.94	68.2	55.49	40.02	16.32	57.57	-	-	P	V
														V
														V
														V
														V
														V
													V	
													V	
													V	



WIFI Ant. 4+3	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)	
802.11n HT20 CH 177 5885MHz		11770	49.88	-24.12	74	54.55	39.03	13.24	56.94	-	-	P	H	
		11770	40.31	-13.69	54	44.98	39.03	13.24	56.94	-	-	A	H	
		17655	53.51	-14.69	68.2	54.36	40.25	16.33	57.43	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11770	47.45	-26.55	74	52.12	39.03	13.24	56.94	-	-	P	V
			17655	54.65	-13.55	68.2	55.5	40.25	16.33	57.43	-	-	P	V
														V
														V
														V
														V
														V
														V
													V	
													V	
													V	
Remark	<p>4. No other spurious found.</p> <p>5. All results are PASS against Peak and Average limit line.</p> <p>6. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</p>													



UNII- 4 5850~5895MHz

WIFI 802.11ax HE20_Partial 26 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11ax HE20 Partial 26/0 CH 169 5845MHz		5613.57	47.59	-20.61	68.2	42.41	33.07	8.68	36.57	100	297	P	H
		5680.24	46.36	-44.26	90.62	40.78	33.4	8.74	36.56	100	297	P	H
		5703.84	47.91	-58.37	106.28	42.19	33.52	8.76	36.56	100	297	P	H
		5722.425	46.37	-69.96	116.33	40.54	33.61	8.77	36.55	100	297	P	H
	*	5845	104.51	-	-	98.09	34.09	8.87	36.54	100	297	P	H
	*	5845	97.78	-	-	91.36	34.09	8.87	36.54	100	297	A	H
		5923	47.18	-42.48	89.66	40.65	34.15	8.91	36.53	100	297	P	H
		5958	48.5	-39.7	88.2	42.02	34.08	8.93	36.53	100	297	P	H
		5899.5	39.09	-47.8	86.89	32.52	34.2	8.9	36.53	100	297	P	H
		5935	38.83	-29.37	68.2	32.31	34.13	8.92	36.53	100	297	A	H
		5633.04	47.13	-21.07	68.2	41.82	33.17	8.7	36.56	333	253	P	V
		5683.19	47.66	-45.14	92.8	42.06	33.42	8.74	36.56	333	253	P	V
		5708.855	46.93	-60.75	107.68	41.18	33.54	8.76	36.55	333	253	P	V
		5721.54	46.63	-67.68	114.31	40.8	33.61	8.77	36.55	333	253	P	V
	*	5845	107.69	-	-	101.27	34.09	8.87	36.54	333	253	P	V
	*	5845	99.36	-	-	92.94	34.09	8.87	36.54	333	253	A	V
		5924.25	47.9	-40.85	88.75	41.37	34.15	8.91	36.53	333	253	P	V
		5943.5	47.75	-40.45	88.2	41.24	34.11	8.93	36.53	333	253	P	V
		5916.75	39.19	-35.05	74.24	32.64	34.17	8.91	36.53	333	253	P	V
		5942	38.93	-29.27	68.2	32.41	34.12	8.93	36.53	333	253	A	V



WIFI Ant. 4+3	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)
802.11ax HE20 Partial 26/8 CH 177 5885MHz		5645.725	46.88	-21.32	68.2	41.5	33.23	8.71	36.56	100	295	P	H
		5684.37	46.75	-46.92	93.67	41.15	33.42	8.74	36.56	100	295	P	H
		5707.97	46.03	-61.4	107.43	40.29	33.54	8.76	36.56	100	295	P	H
		5720.95	45.67	-67.3	112.97	39.85	33.6	8.77	36.55	100	295	P	H
	*	5885	106.17	-	-	99.64	34.17	8.89	36.53	100	295	P	H
	*	5885	98.95	-	-	92.42	34.17	8.89	36.53	100	295	A	H
		5895	93.01	-17.19	110.2	86.45	34.19	8.9	36.53	100	295	P	H
		5927	53.38	-34.82	88.2	46.84	34.15	8.92	36.53	100	295	P	H
		5895	83.04	-7.16	90.2	76.48	34.19	8.9	36.53	100	295	P	H
		5927.75	39.3	-28.9	68.2	32.77	34.14	8.92	36.53	100	295	A	H
		5642.775	46.28	-21.92	68.2	40.92	33.21	8.71	36.56	291	250	P	V
		5664.015	47.58	-31.02	78.6	42.1	33.32	8.72	36.56	291	250	P	V
		5700.595	46.4	-58.97	105.37	40.7	33.5	8.76	36.56	291	250	P	V
		5721.835	47.11	-67.87	114.98	41.28	33.61	8.77	36.55	291	250	P	V
	*	5885	107.05	-	-	100.52	34.17	8.89	36.53	291	250	P	V
	*	5885	99.59	-	-	93.06	34.17	8.89	36.53	291	250	A	V
		5895	91.79	-18.41	110.2	85.23	34.19	8.9	36.53	291	250	P	V
		5929.5	49.84	-38.36	88.2	43.31	34.14	8.92	36.53	291	250	P	V
		5895	83.78	-6.42	90.2	77.22	34.19	8.9	36.53	291	250	P	V
	5929.5	39.28	-28.92	68.2	32.75	34.14	8.92	36.53	291	250	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-4 - 5850~5895MHz

WIFI 802.11ax HE20_Partial 52 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
		5644.545	46.99	-21.21	68.2	41.62	33.22	8.71	36.56	100	245	P	H
		5669.915	47.18	-35.8	82.98	41.66	33.35	8.73	36.56	100	245	P	H
		5705.02	46.51	-60.1	106.61	40.78	33.53	8.76	36.56	100	245	P	H
		5724.49	45.57	-75.47	121.04	39.72	33.62	8.78	36.55	100	245	P	H
	*	5845	105.65	-	-	99.23	34.09	8.87	36.54	100	245	P	H
	*	5845	98.39	-	-	91.97	34.09	8.87	36.54	100	245	A	H
		5925	47.35	-40.85	88.2	40.82	34.15	8.91	36.53	100	245	P	H
		5929.25	47.76	-40.44	88.2	41.23	34.14	8.92	36.53	100	245	P	H
		5897.25	39.62	-48.93	88.55	33.06	34.19	8.9	36.53	100	245	P	H
		5926.25	39.21	-28.99	68.2	32.67	34.15	8.92	36.53	100	245	A	H
		5621.535	46.19	-22.01	68.2	40.96	33.11	8.69	36.57	291	252	P	V
		5655.46	47.37	-24.89	72.26	41.93	33.28	8.72	36.56	291	252	P	V
		5717.115	47.03	-62.96	109.99	41.22	33.59	8.77	36.55	291	252	P	V
		5724.195	46.02	-74.34	120.36	40.17	33.62	8.78	36.55	291	252	P	V
	*	5845	107.15	-	-	100.73	34.09	8.87	36.54	291	252	P	V
	*	5845	99.53	-	-	93.11	34.09	8.87	36.54	291	252	A	V
		5897	48.77	-59.96	108.73	42.21	34.19	8.9	36.53	291	252	P	V
		5942	47.21	-40.99	88.2	40.69	34.12	8.93	36.53	291	252	P	V
		5896.5	40.47	-48.63	89.1	33.91	34.19	8.9	36.53	291	252	P	V
		5926.5	39.52	-28.68	68.2	32.98	34.15	8.92	36.53	291	252	A	V



WiFi Ant. 4+3	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)
802.11ax HE20 Partial 52/40 CH 177 5885MHz		5640.12	47.11	-21.09	68.2	41.77	33.2	8.7	36.56	100	295	P	H
		5685.255	47.5	-46.82	94.32	41.89	33.43	8.74	36.56	100	295	P	H
		5706.79	47.17	-59.93	107.1	41.44	33.53	8.76	36.56	100	295	P	H
		5725.08	46.09	-88.11	134.2	40.23	33.63	8.78	36.55	100	295	P	H
	*	5885	107.21	-	-	100.68	34.17	8.89	36.53	100	295	P	H
	*	5885	99.37	-	-	92.84	34.17	8.89	36.53	100	295	A	H
		5895	91.1	-19.1	110.2	84.54	34.19	8.9	36.53	100	295	P	H
		5928.75	53.32	-34.88	88.2	46.79	34.14	8.92	36.53	100	295	P	H
		5895	83.42	-6.78	90.2	76.86	34.19	8.9	36.53	100	295	P	H
		5925	40.71	-27.49	68.2	34.18	34.15	8.91	36.53	100	295	A	H
		5646.905	47.52	-20.68	68.2	42.14	33.23	8.71	36.56	291	250	P	V
		5651.92	47.41	-22.22	69.63	42	33.26	8.71	36.56	291	250	P	V
		5716.82	46.45	-63.46	109.91	40.65	33.58	8.77	36.55	291	250	P	V
		5723.605	45.43	-73.59	119.02	39.58	33.62	8.78	36.55	291	250	P	V
	*	5885	107	-	-	100.47	34.17	8.89	36.53	291	250	P	V
	*	5885	98.92	-	-	92.39	34.17	8.89	36.53	291	250	A	V
		5895	90.16	-20.04	110.2	83.6	34.19	8.9	36.53	291	250	P	V
		5895.25	88.89	-21.13	110.02	82.33	34.19	8.9	36.53	291	250	P	V
	5895	82.24	-7.96	90.2	75.68	34.19	8.9	36.53	291	250	P	V	
	5925.5	40.4	-27.8	68.2	33.86	34.15	8.92	36.53	291	250	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-4 - 5850~5895MHz

WIFI 802.11ax HE20_Partial 106 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
		5645.725	46.94	-21.26	68.2	41.56	33.23	8.71	36.56	100	250	P	H
		5665.49	47.55	-32.15	79.7	42.05	33.33	8.73	36.56	100	250	P	H
		5701.185	47.6	-57.93	105.53	41.89	33.51	8.76	36.56	100	250	P	H
		5723.015	46.45	-71.23	117.68	40.61	33.62	8.77	36.55	100	250	P	H
	*	5845	106.83	-	-	100.41	34.09	8.87	36.54	100	250	P	H
	*	5845	98.55	-	-	92.13	34.09	8.87	36.54	100	250	A	H
		5902	49.35	-55.71	105.06	42.78	34.2	8.9	36.53	100	250	P	H
		5930	47.51	-40.69	88.2	40.98	34.14	8.92	36.53	100	250	P	H
802.11ax HE20		5896.25	41.69	-47.59	89.28	35.13	34.19	8.9	36.53	100	250	P	H
Partial 106/53		5930.5	39.91	-28.29	68.2	33.38	34.14	8.92	36.53	100	250	A	H
CH 169		5633.335	46.53	-21.67	68.2	41.22	33.17	8.7	36.56	298	257	P	V
5845MHZ		5696.465	46.92	-55.67	102.59	41.25	33.48	8.75	36.56	298	257	P	V
		5715.935	46.85	-62.81	109.66	41.05	33.58	8.77	36.55	298	257	P	V
		5725.08	46.35	-87.85	134.2	40.49	33.63	8.78	36.55	298	257	P	V
	*	5845	107.66	-	-	101.24	34.09	8.87	36.54	298	257	P	V
	*	5845	99.13	-	-	92.71	34.09	8.87	36.54	298	257	A	V
		5898.5	50.99	-56.64	107.63	44.42	34.2	8.9	36.53	298	257	P	V
		5952	47.89	-40.31	88.2	41.39	34.1	8.93	36.53	298	257	P	V
		5897.5	41.95	-46.41	88.36	35.39	34.19	8.9	36.53	298	257	P	V
		5928	40.13	-28.07	68.2	33.6	34.14	8.92	36.53	298	257	A	V



WiFi Ant. 4+3	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)
802.11ax HE20 Partial 106/54 CH 177 5885MHz		5648.97	47.76	-20.44	68.2	42.37	33.24	8.71	36.56	100	295	P	H
		5682.895	47	-45.58	92.58	41.41	33.41	8.74	36.56	100	295	P	H
		5713.87	46.53	-62.56	109.09	40.74	33.57	8.77	36.55	100	295	P	H
		5723.31	45.86	-72.49	118.35	40.02	33.62	8.77	36.55	100	295	P	H
	*	5885	106.52	-	-	99.99	34.17	8.89	36.53	100	295	P	H
	*	5885	98.24	-	-	91.71	34.17	8.89	36.53	100	295	A	H
		5895	92.43	-17.77	110.2	85.87	34.19	8.9	36.53	100	295	P	H
		5925	56.58	-31.62	88.2	50.05	34.15	8.91	36.53	100	295	P	H
		5895	85.94	-4.26	90.2	79.38	34.19	8.9	36.53	100	295	P	H
		5927.75	42.34	-25.86	68.2	35.81	34.14	8.92	36.53	100	295	A	H
		5609.735	47.17	-21.03	68.2	42.01	33.05	8.68	36.57	291	250	P	V
		5694.105	46.76	-54.09	100.85	41.1	33.47	8.75	36.56	291	250	P	V
		5709.74	48.39	-59.54	107.93	42.63	33.55	8.76	36.55	291	250	P	V
		5724.195	46.4	-73.96	120.36	40.55	33.62	8.78	36.55	291	250	P	V
	*	5885	107.63	-	-	101.1	34.17	8.89	36.53	291	250	P	V
	*	5885	98.63	-	-	92.1	34.17	8.89	36.53	291	250	A	V
		5895	92.46	-17.74	110.2	85.9	34.19	8.9	36.53	291	250	P	V
		5926.5	54.75	-33.45	88.2	48.21	34.15	8.92	36.53	291	250	P	V
	5895	86.79	-3.41	90.2	80.23	34.19	8.9	36.53	291	250	P	V	
	5925.25	42.5	-25.7	68.2	35.96	34.15	8.92	36.53	291	250	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII- 4 5850~5895MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 4+3	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)
		5615.045	45.9	-22.3	68.2	40.71	33.08	8.68	36.57	100	240	P	H
		5698.235	46.91	-56.99	103.9	41.23	33.49	8.75	36.56	100	240	P	H
		5719.77	50.14	-60.6	110.74	44.32	33.6	8.77	36.55	100	240	P	H
		5722.72	51.92	-65.08	117	46.09	33.61	8.77	36.55	100	240	P	H
	*	5835	106.16	-	-	99.77	34.07	8.86	36.54	100	240	P	H
	*	5835	98.89	-	-	92.5	34.07	8.86	36.54	100	240	A	H
		5897.25	65.61	-42.94	108.55	59.05	34.19	8.9	36.53	100	240	P	H
		5925	56.21	-31.99	88.2	49.68	34.15	8.91	36.53	100	240	P	H
		5895.25	58.25	-31.77	90.02	51.69	34.19	8.9	36.53	100	240	A	H
		5925.25	49.23	-18.97	68.2	42.69	34.15	8.92	36.53	100	240	A	H
802.11ax													H
HE40 Full													H
CH 167		5636.58	45.61	-22.59	68.2	40.29	33.18	8.7	36.56	326	257	P	V
5835MHz		5650.445	46.59	-21.94	68.53	41.19	33.25	8.71	36.56	326	257	P	V
		5711.51	50.46	-57.97	108.43	44.69	33.56	8.76	36.55	326	257	P	V
		5724.785	48.14	-73.57	121.71	42.29	33.62	8.78	36.55	326	257	P	V
	*	5835	105.4	-	-	99.01	34.07	8.86	36.54	326	257	P	V
	*	5835	98.68	-	-	92.29	34.07	8.86	36.54	326	257	A	V
		5895.75	67.93	-41.72	109.65	61.37	34.19	8.9	36.53	326	257	P	V
		5927.5	55.44	-32.76	88.2	48.9	34.15	8.92	36.53	326	257	P	V
		5895.25	57.99	-32.03	90.02	51.43	34.19	8.9	36.53	326	257	A	V
		5925	47.74	-20.46	68.2	41.21	34.15	8.91	36.53	326	257	A	V
													V
													V



WIFI Ant. 4+3	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)
		5644.545	46.86	-21.34	68.2	41.49	33.22	8.71	36.56	100	239	P	H
		5672.275	46.48	-38.24	84.72	40.95	33.36	8.73	36.56	100	239	P	H
		5717.705	45.81	-64.35	110.16	40	33.59	8.77	36.55	100	239	P	H
		5721.245	45.74	-67.9	113.64	39.91	33.61	8.77	36.55	100	239	P	H
	*	5875	106.88	-	-	100.37	34.15	8.89	36.53	100	239	P	H
	*	5875	98.94	-	-	92.43	34.15	8.89	36.53	100	239	A	H
		5895.25	84.43	-25.59	110.02	77.87	34.19	8.9	36.53	100	239	P	H
		5925	70.52	-17.68	88.2	63.99	34.15	8.91	36.53	100	239	P	H
		5895.25	77.09	-12.93	90.02	70.53	34.19	8.9	36.53	100	239	A	H
		5925	62.47	-5.73	68.2	55.94	34.15	8.91	36.53	100	239	A	H
802.11ax													H
HE40 Full													H
CH 175		5646.905	45.37	-22.83	68.2	39.99	33.23	8.71	36.56	341	262	P	V
5875MHz		5651.625	45.38	-24.03	69.41	39.97	33.26	8.71	36.56	341	262	P	V
		5712.985	44.74	-64.1	108.84	38.96	33.56	8.77	36.55	341	262	P	V
		5723.31	45.12	-73.23	118.35	39.28	33.62	8.77	36.55	341	262	P	V
	*	5875	107.42	-	-	100.91	34.15	8.89	36.53	341	262	P	V
	*	5875	99.94	-	-	93.43	34.15	8.89	36.53	341	262	A	V
		5895.5	84.89	-24.94	109.83	78.33	34.19	8.9	36.53	341	262	P	V
		5925.25	68.87	-19.33	88.2	62.33	34.15	8.92	36.53	341	262	P	V
		5895.5	77.77	-12.06	89.83	71.21	34.19	8.9	36.53	341	262	A	V
		5925	61.88	-6.32	68.2	55.35	34.15	8.91	36.53	341	262	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII- 4 5850~5895MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI Ant. 4+3	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)	
802.11ax HE40 Full CH 167 5835MHz		11670	47.59	-26.41	74	52.4	39	13.19	57	-	-	P	H	
		17505	52.73	-15.47	68.2	54.55	39.67	16.3	57.79	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11670	47.49	-26.51	74	52.3	39	13.19	57	-	-	P	V
			17505	53.11	-15.09	68.2	54.93	39.67	16.3	57.79	-	-	P	V
													V	
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WIFI Ant. 4+3	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)	
802.11ax HE40 Full CH 175 5875MHz		11750	47.9	-26.1	74	52.61	39.02	13.22	56.95	-	-	P	H	
		17625	51.65	-16.55	68.2	52.68	40.14	16.33	57.5	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
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													H	
													H	
													H	
													H	
													H	
													H	
	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.												



UNII- 4 5850~5895MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 4+3	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)
		5636.285	46.33	-21.87	68.2	41.01	33.18	8.7	36.56	334	255	P	H
		5653.1	46.28	-24.22	70.5	40.85	33.27	8.72	36.56	334	255	P	H
		5715.64	46.89	-62.69	109.58	41.09	33.58	8.77	36.55	334	255	P	H
		5723.605	46.04	-72.98	119.02	40.19	33.62	8.78	36.55	334	255	P	H
	*	5855	94.84	-	-	88.4	34.11	8.87	36.54	334	255	P	H
	*	5855	85.82	-	-	79.38	34.11	8.87	36.54	334	255	A	H
		5895.25	67.6	-42.42	110.02	61.04	34.19	8.9	36.53	334	255	P	H
		5925.5	63.56	-24.64	88.2	57.02	34.15	8.92	36.53	334	255	P	H
		5895.25	60.02	-30	90.02	53.46	34.19	8.9	36.53	334	255	A	H
		5925.25	54.97	-13.23	68.2	48.43	34.15	8.92	36.53	334	255	A	H
802.11ax													H
HE80 Full													H
CH 171		5641.89	45.4	-22.8	68.2	40.04	33.21	8.71	36.56	342	255	P	V
5855MHz		5689.09	47.28	-49.87	97.15	41.64	33.45	8.75	36.56	342	255	P	V
		5712.1	54.27	-54.32	108.59	48.49	33.56	8.77	36.55	342	255	P	V
		5723.31	51.13	-67.22	118.35	45.29	33.62	8.77	36.55	342	255	P	V
	*	5855	103.24	-	-	96.8	34.11	8.87	36.54	342	255	P	V
	*	5855	95.39	-	-	88.95	34.11	8.87	36.54	342	255	A	V
		5895.25	75.36	-34.66	110.02	68.8	34.19	8.9	36.53	342	255	P	V
		5925	67.94	-20.26	88.2	61.41	34.15	8.91	36.53	342	255	P	V
		5895.25	67.56	-22.46	90.02	61	34.19	8.9	36.53	342	255	A	V
		5925.25	61.03	-7.17	68.2	54.49	34.15	8.92	36.53	342	255	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII- 4 5850~5895MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11ax HE80 Full CH 171 5855MHz		11710	48	-26	74	52.76	39.01	13.2	56.97	-	-	P	H
		17565	52.11	-16.09	68.2	53.53	39.9	16.32	57.64	-	-	P	H
													H
													H
													H
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													H
													H
													H
			11710	47.58	-26.42	74	52.34	39.01	13.2	56.97	-	-	P
		17565	52.75	-15.45	68.2	54.17	39.9	16.32	57.64	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													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.												



Emission above 18GHz

5GHz WIFI 802.11a (SHF @ 1m)

WIFI Ant. 4+3	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 SHF		36414	46.94	-21.26	68.2	63.02	43.53	-1.06	58.55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
	802.11a SHF		39802	47.72	-26.28	74	59.72	44.48	-0.44	56.04	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													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 with sufficient margin against limit line or noise floor only. 												



Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI Ant. 4+3	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)
		54.84	27.6	-12.4	40	46.53	12.54	0.98	32.45	-	-	P	H
		89.22	25.81	-17.69	43.5	42.39	14.57	1.26	32.41	-	-	P	H
		98.76	23.86	-19.64	43.5	39.11	15.86	1.3	32.41	-	-	P	H
		130.8	24.31	-19.19	43.5	37.65	17.65	1.43	32.42	-	-	P	H
		817.51	30.43	-15.57	46	31.19	27.78	3.43	31.97	-	-	P	H
		938.38	32.36	-13.64	46	29.95	29.8	3.72	31.11	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													V
		57	31.79	-8.21	40	51.12	12.11	1	32.44	-	-	P	V
		85.98	24.54	-15.46	40	41.58	14.13	1.24	32.41	-	-	P	V
		154.38	22.98	-20.52	43.5	36.92	16.84	1.62	32.4	-	-	P	V
		168.06	22.91	-20.59	43.5	37.69	15.89	1.73	32.4	-	-	P	V
		751.15	29.6	-16.4	46	30.47	28.06	3.29	32.22	-	-	P	V
		913.1	32.03	-13.97	46	30.64	29.08	3.65	31.34	-	-	P	V
													V
													V
													V
													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 with sufficient margin against limit line or noise floor only. 												



Note symbol

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



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

WIFI Ant. 4+3	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 169 5845MHz		5945	52.49	-55.71	108.2	40.04	35.11	12.54	35.2	380	248	P	H

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

For Peak Limit @ 11690MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 38.48(dB/m) + 19.48(dB) + 49.34(dBμV) – 56.59 (dB)
= 50.71 (dBμV/m)
2. Margin(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 50.71(dBμV/m) – 74(dBμV/m)
= -23.29(dB)

Peak measured complies with the limit line, so test result is “PASS”.



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Bigshow Wang and Quentin Liu	Temperature :	21~26°C
		Relative Humidity :	45~60%

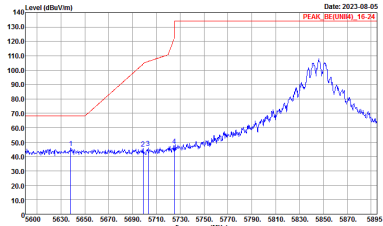
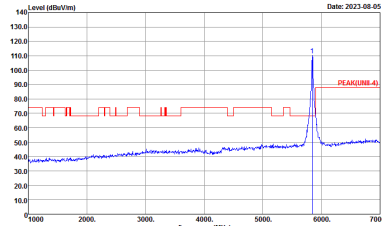
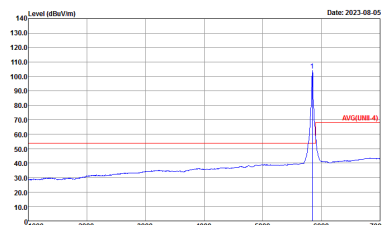
Note symbol

-L	Low channel location
-R	High channel location

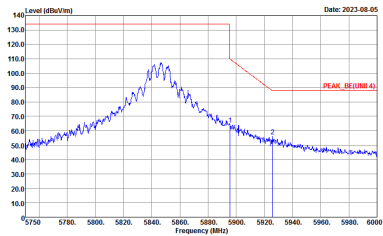
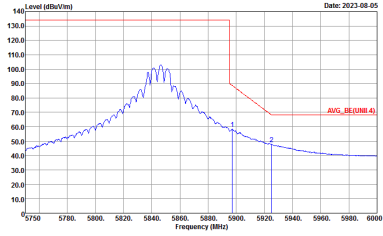


UNII-4 - 5850~5895MHz

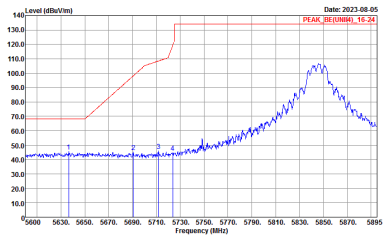
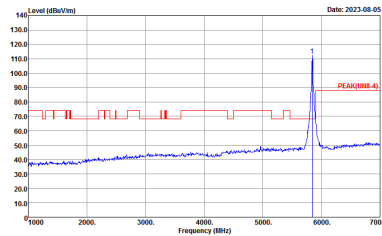
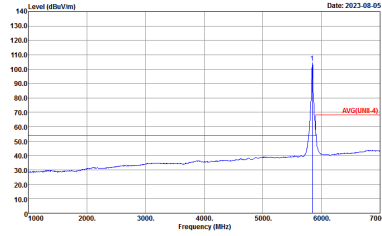
WIFI 802.11a (Band Edge @ 3m)

WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz - L	
4+3	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNII4)_16-24 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	 <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>

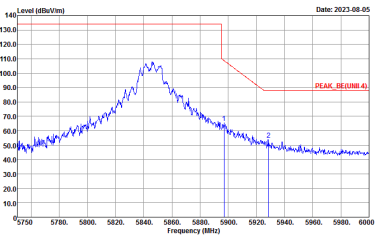
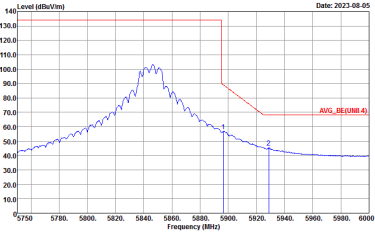


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz - R	
4+3	Horizontal	Fundamental
<p>Peak</p>	 <p>Date: 2023-08-05</p> <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Date: 2023-08-05</p> <p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>	<p>Left blank</p>

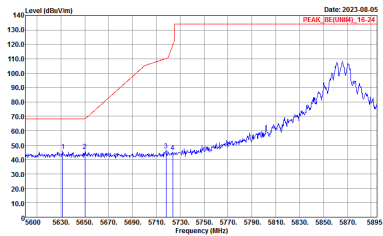
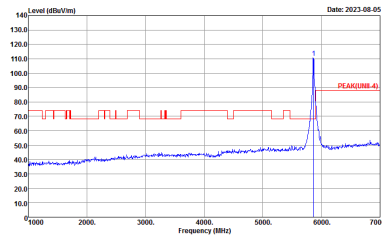
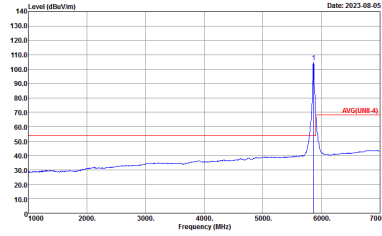


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz - L	
4+3	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_SE(UNII4)_16-24 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	 <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz - R	
4+3	Vertical	Fundamental
Peak	 <p>Date: 2023-08-05</p> <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Date: 2023-08-05</p> <p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>	Left blank



WIFI	UNII- 4 5850-5895MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz - L	
4+3	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_SE(UNII4)_16-24 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	 <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz – R	
4+3	Horizontal	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz - L	
4+3	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_REF(UNII-4)_16-24 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	<p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>



WIFI	UNII- 4 5850-5895MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz – R	
4+3	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>	Left blank



WIFI	UNII- 4 5850-5895MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz - L	
4+3	Horizontal	Fundamental
Peak	<p>Date: 2023-08-31 PEAK_REF(MHz): 15.24</p> <p>Site : 03CH15-HY Condition : PEAK_REF(UNII-4)_16-24 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-08-31 PEAK(MHz): 4</p> <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	<p>Date: 2023-08-31 AVG(MHz): 4</p> <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>

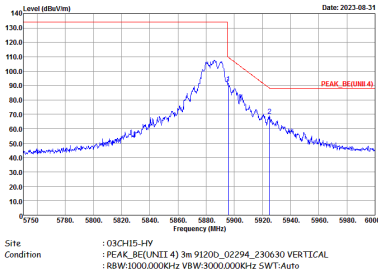
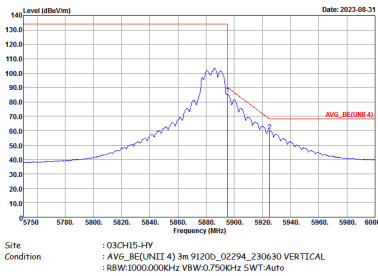


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz - R	
4+3	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>	<p>Left blank</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz - L	
4+3	Vertical	Fundamental
Peak	<p>Date: 2023-08-31 PEAK_REF(MHz): 15.24</p> <p>Site : 03CH15-HY Condition : PEAK_REF(UNII-4)_16-24 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-08-31 PEAK(MHz): 4</p> <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	<p>Date: 2023-08-31 AVG(MHz): 4</p> <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>



WIFI	UNII- 4 5850-5895MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz - R	
4+3	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>	Left blank



UNII-4 - 5850~5895MHz

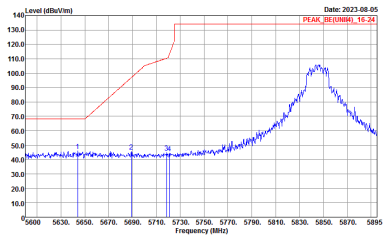
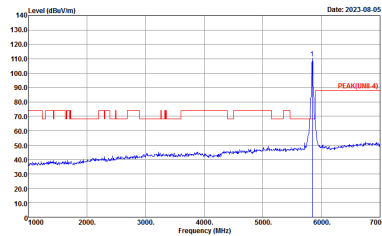
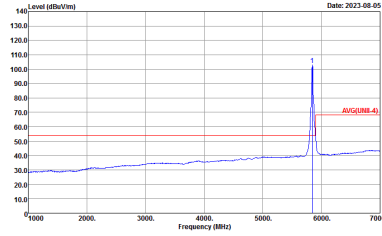
WIFI 802.11n HT20 Full (Band Edge @ 3m)

WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH169 5845MHz - L	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNII4)_16-24 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	<p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>

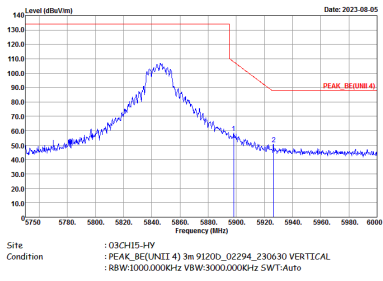
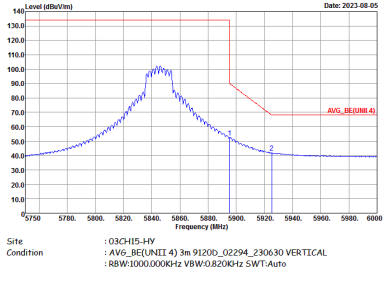


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH169 5845MHz - L	
4+3	Horizontal	Fundamental
<p>Peak</p>	<p>Date: 2023-08-05</p> <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	<p>Date: 2023-08-05</p> <p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto</p>	<p>Left blank</p>

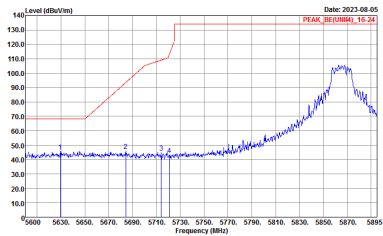
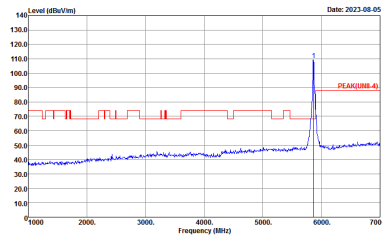
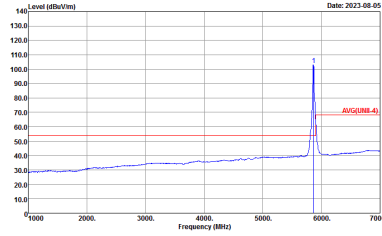


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH169 5845MHz - L	
4+3	Vertical	Fundamental
Peak	 <p>Date: 2023-08-05 PEAK_REF(MHz): 15.24</p> <p>Site : 03CH15-HY Condition : PEAK_REF(UNII-4)_16-24 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2023-08-05 PEAK(MHz): 4</p> <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	 <p>Date: 2023-08-05 AVG(MHz): 4</p> <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>

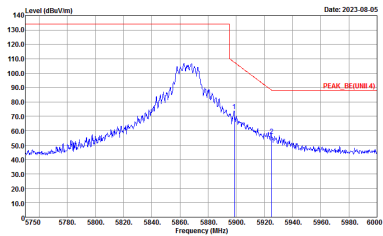
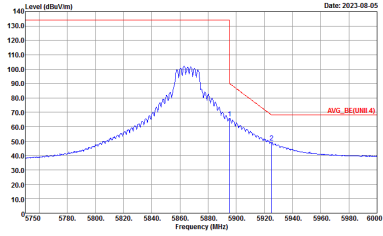


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH169 5845MHz - L	
4+3	Vertical	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>

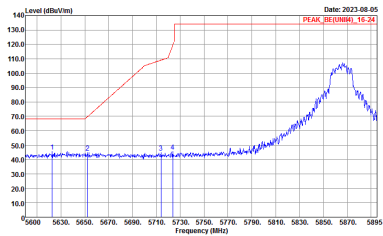
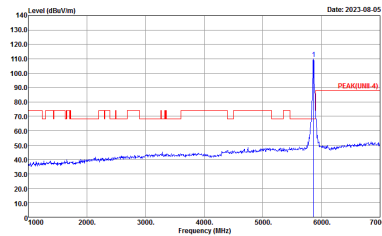
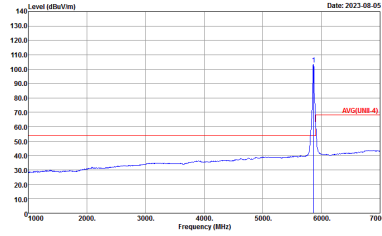


WIFI	UNII- 4 5850-5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH173 5865MHz - L	
4+3	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_SE(UNII-4)_16-24 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	 <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>

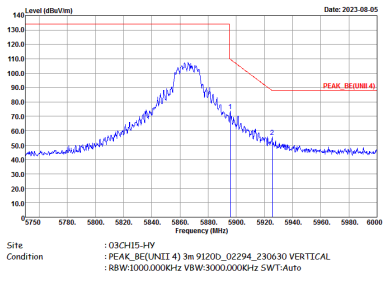
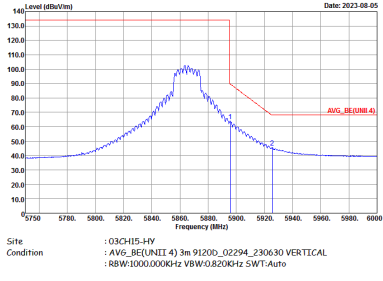


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH173 5865MHz - L	
4+3	Horizontal	Fundamental
Peak	 <p>Date: 2023-08-05</p> <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Date: 2023-08-05</p> <p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto</p>	Left blank



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH173 5865MHz - L	
4+3	Vertical	Fundamental
Peak	 <p>Date: 2023-08-05 PEAK_REF(MHz): 15.24</p> <p>Site : 03CH15-HY Condition : PEAK_REF(UNII-4)_16-24 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2023-08-05 PEAK(MHz): 4</p> <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	 <p>Date: 2023-08-05 AVG(MHz): 4</p> <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH173 5865MHz - L	
4+3	Vertical	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH177 5885MHz - L	
4+3	Horizontal	Fundamental
Peak	<p>Date: 2023-08-05 PEAK_REF(MHz): 15.24</p> <p>Site : 03CH15-HY Condition : PEAK_REF(UNII-4)_16-24 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-08-05 PEAK(MHz): 4</p> <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	<p>Date: 2023-08-05 AVG(MHz): 4</p> <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>

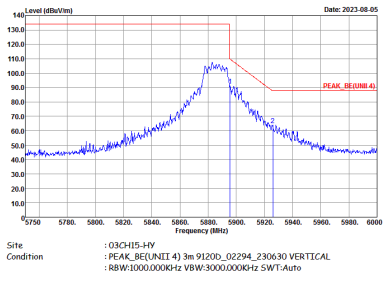
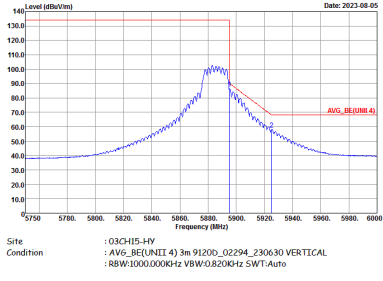


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH177 5885MHz - L	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto</p>	Left blank



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH177 5885MHz - L	
4+3	Vertical	Fundamental
Peak	<p>Date: 2023-08-05 PEAK_REF(MHz): 15.24</p> <p>Site : 03CH15-HY Condition : PEAK_REF(UNII-4)_16-24 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-08-05 PEAK(MHz): 4</p> <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	<p>Date: 2023-08-05 AVG(MHz): 4</p> <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11n HT20 Full CH177 5885MHz - L	
4+3	Vertical	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>



UNII-4 - 5850~5895MHz

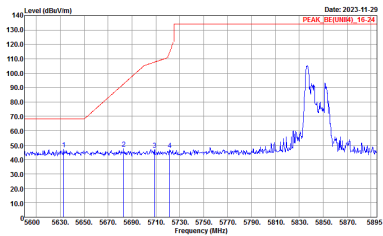
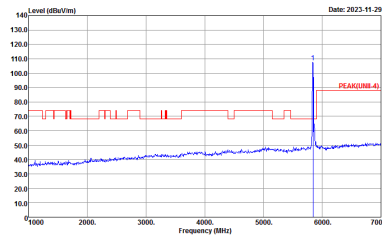
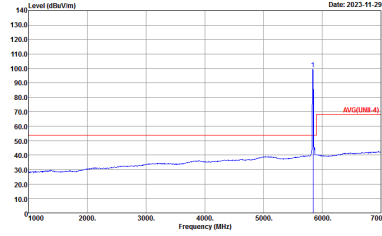
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1200KHz SWT:Auto</p>

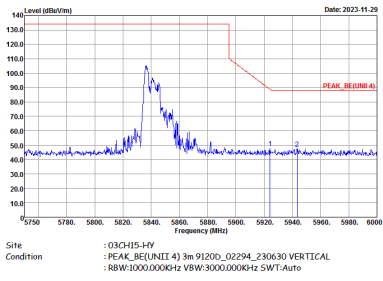
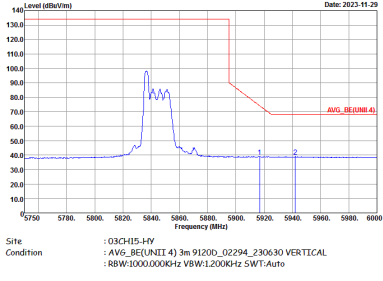


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1200KHz SWT:Auto</p>	Left blank

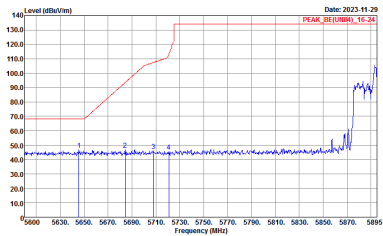
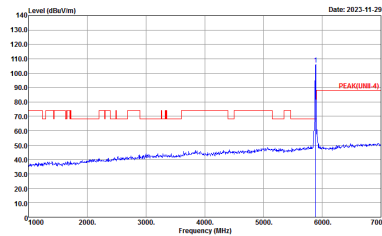
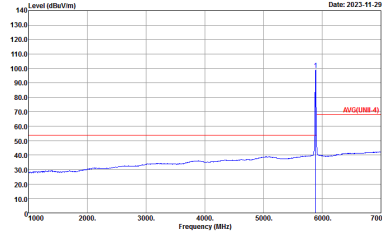


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
4+3	Vertical	Fundamental
Peak	 <p>Date: 2023-11-29 PEAK_REF(MHz): 15.24</p> <p>Site : 03CH15-HY Condition : -PEAK_REF(UNIT4)_16-24 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2023-11-29 PEAK(UM-4)</p> <p>Site : 03CH15-HY Condition : -PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Date: 2023-11-29 AVG(UM-4)</p> <p>Site : 03CH15-HY Condition : -AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:1200KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
4+3	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : :PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg	 <p>Site : 03CH15-HY Condition : :AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:1200KHz SWT:Auto</p>	Left blank

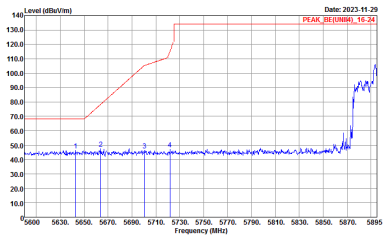
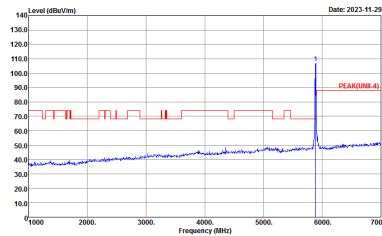
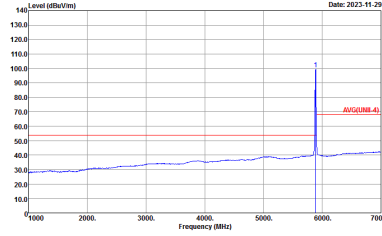


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : -PEAK_S6[UNIT4]_16-24 3m 91200_02294_230630 HORIZONTAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : -PEAK[UNIT-4] 3m 91200_02294_230630 HORIZONTAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : -AVG[UNIT-4] 3m 91200_02294_230630 HORIZONTAL :RBW:100.000KHz VBW:300.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : -PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:300.000kHz SWT:Auto</p>	Left blank
Avg	<p>Site : 03CH15-HY Condition : -AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:100.000kHz VBW:300.000kHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
4+3	Vertical	Fundamental
Peak	 <p>Date: 2023-11-29 PEAK_REF(MHz): 15.24</p> <p>Site : 03CH15-HY Condition : PEAK_REF(UNIT4)_16-24 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2023-11-29 PEAK(UM-4)</p> <p>Site : 03CH15-HY Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Date: 2023-11-29 AVG(UM-4)</p> <p>Site : 03CH15-HY Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL : RBW:100.000KHz VBW:3000.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
4+3	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

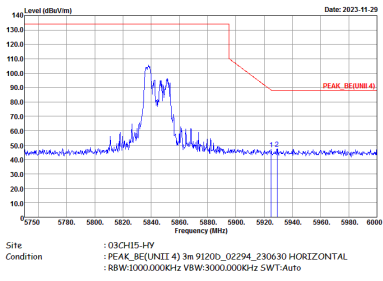
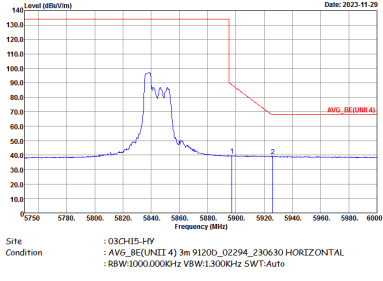


UNII-4 - 5850~5895MHz

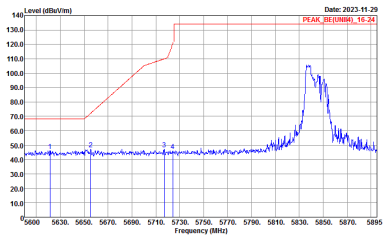
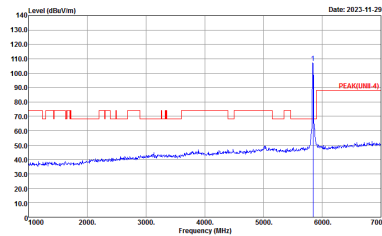
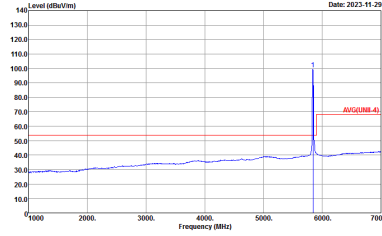
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT4)_16-24 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT-4) 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH15-HY Condition : AVG(UNIT-4) 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1300KHz SWT:Auto</p>

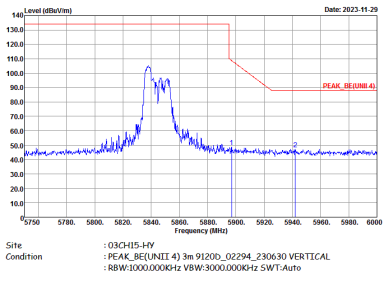
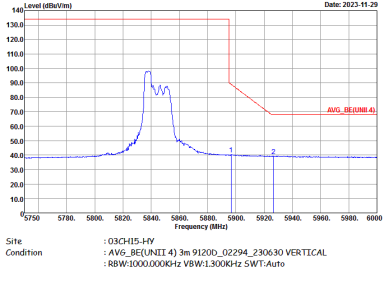


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
4+3	Horizontal	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg</p>		<p>Left blank</p>

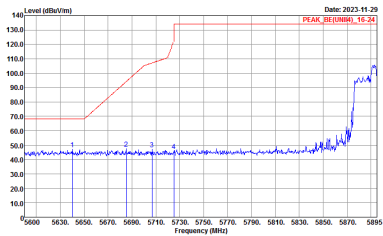
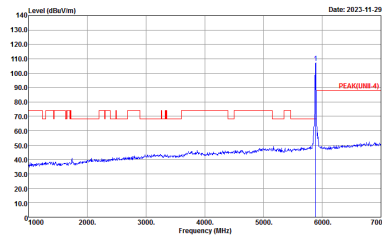
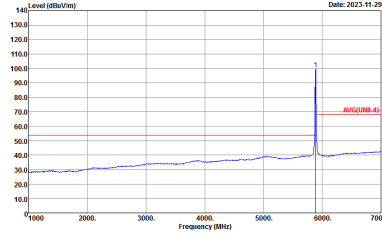


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
4+3	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : -PEAK_REF(UNIT4)_16-24 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : -PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : -AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:1300KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
4+3	Vertical	Fundamental
Peak		Left blank
Avg		Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
4+3	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : -PEAK_SE[UNIT4]_16-24 3m 91200_02294_230630 HORIZONTAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : -PEAK[UNIT-4] 3m 91200_02294_230630 HORIZONTAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH15-HY Condition : -AVG[UNIT-4] 3m 91200_02294_230630 HORIZONTAL :RBW:100.000KHz VBW:300.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
4+3	Horizontal	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg</p>		<p>Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
4+3	Vertical	Fundamental
Peak	<p>Date: 2023-11-29 PEAK_REF(MHz): 15.24</p> <p>Site : 03CH15-HY Condition : -PEAK_REF(UNIT4)_16-24 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-11-29 PEAK(UNIT4)</p> <p>Site : 03CH15-HY Condition : -PEAK(UNIT4) 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Date: 2023-11-29 AVG(UNIT4)</p> <p>Site : 03CH15-HY Condition : -AVG(UNIT4) 3m 91200_02294_230630 VERTICAL :RBW:100.000KHz VBW:300.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
4+3	Vertical	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg</p>		<p>Left blank</p>



UNII-4 - 5850~5895MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH169 5845MHz	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIQ)_16-24 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIQ)_A 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH15-HY Condition : AVG(UNIQ)_A 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1500KHz SWT:Auto</p>

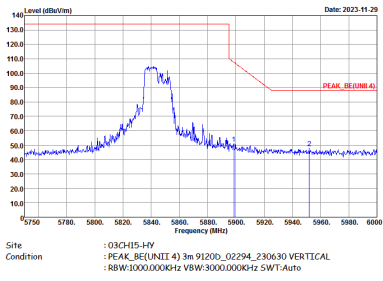
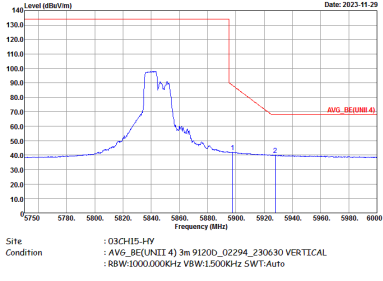


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH169 5845MHz	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : -PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg	<p>Site : 03CH15-HY Condition : -AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL :RBW:1000.000KHz VBW:1500KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH169 5845MHz	
4+3	Vertical	Fundamental
Peak	<p>Date: 2023-11-29 PEAK_REF(MHz): 15.24</p> <p>Site : 03CH15-HY Condition : -PEAK_REF(UNIT4)_16-24 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2023-11-29 PEAK(UM-4)</p> <p>Site : 03CH15-HY Condition : -PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Date: 2023-11-29 AVG(UM-4)</p> <p>Site : 03CH15-HY Condition : -AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:1500KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH169 5845MHz	
4+3	Vertical	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg</p>		<p>Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : -PEAK_REF(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : -PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH15-HY Condition : -AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL :RBW:100.000KHz VBW:300.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz	
4+3	Horizontal	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg</p>		<p>Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz	
4+3	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : -PEAK_S([UNIT4]_16-24 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : -PEAK([UNIT-4] 3m 91200_02294_230630 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH15-HY Condition : -AVG([UNIT-4] 3m 91200_02294_230630 VERTICAL :RBW:100.000KHz VBW:300.000KHz SWT:Auto</p>

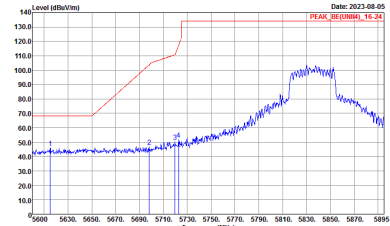
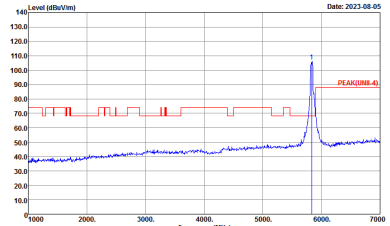
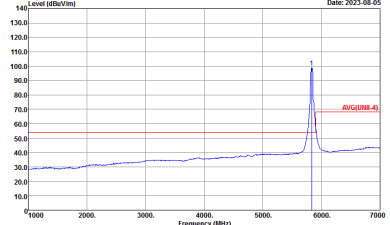


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz	
4+3	Vertical	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg</p>		<p>Left blank</p>



UNII-4 - 5850~5895MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH167 5835MHz - L	
4+3	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNII4)_16-24 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	
		 <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH167 5835MHz - R	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH167 5835MHz - L	
4+3	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_REF(UNII-4)_16-24 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	<p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

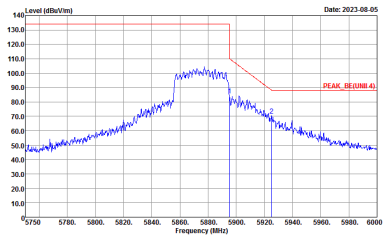
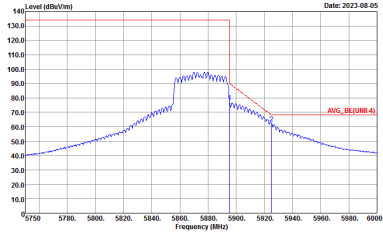


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH167 5835MHz - R	
4+3	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

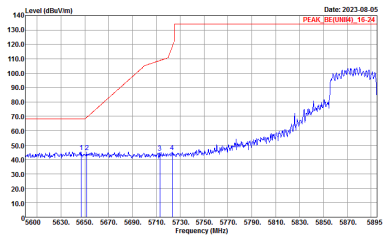
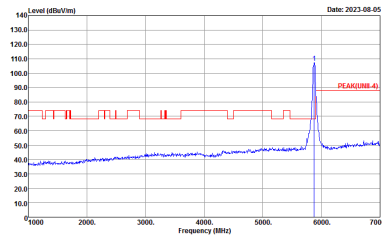
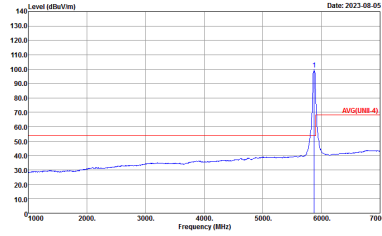


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH175 5875MHz - L	
4+3	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_REF(UNII-4)_16-24 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	<p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

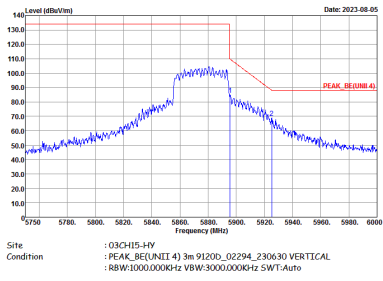
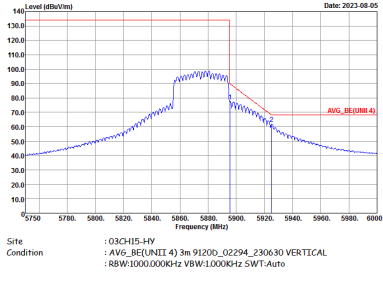


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH175 5875MHz - R	
4+3	Horizontal	Fundamental
<p>Peak</p>	 <p>Date: 2023-08-05</p> <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Date: 2023-08-05</p> <p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:10000KHz SWT:Auto</p>	<p>Left blank</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH175 5875MHz - L	
4+3	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_SE(UNII4)_16-24 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	 <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

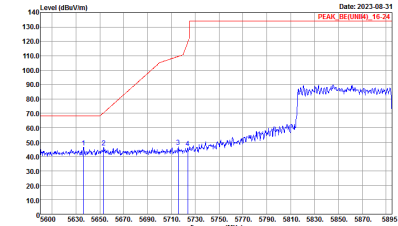
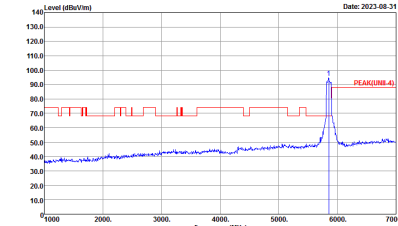
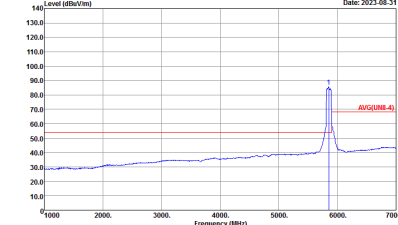


WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH175 5875MHz - R	
4+3	Vertical	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>

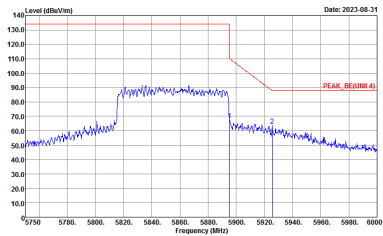
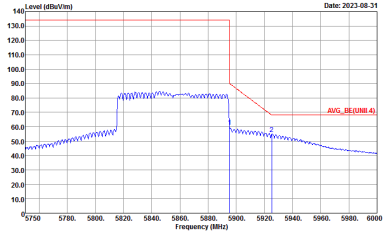


UNII-4 - 5850~5895MHz

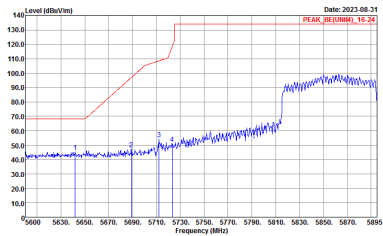
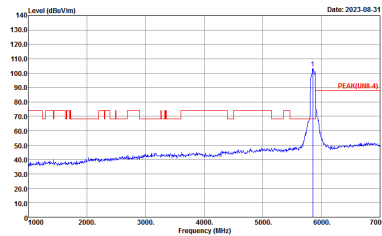
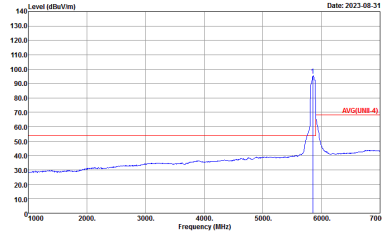
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH171 5855MHz - L	
4+3	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNII4)_16-24 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	 <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1500KHz SWT:Auto</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH171 5855MHz - R	
4+3	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:1500KHz SWT:Auto</p>	<p>Left blank</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH171 5855MHz - L	
4+3	Vertical	Fundamental
Peak	 <p>Date: 2023-08-31 PEAK_REF(MHz): 15.24</p> <p>Site : 03CH15-HY Condition : PEAK_REF(UNII-4)_16-24 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2023-08-31 PEAK(MHz): 4</p> <p>Site : 03CH15-HY Condition : PEAK(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	Left blank	 <p>Date: 2023-08-31 AVG(MHz): 4</p> <p>Site : 03CH15-HY Condition : AVG(UNII-4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1500KHz SWT:Auto</p>



WIFI	UNII- 4 5850~5895MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH171 5855MHz - R	
4+3	Vertical	Fundamental
<p>Peak</p>	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:1500KHz SWT:Auto</p>	<p>Left blank</p>

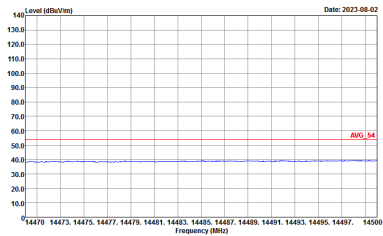
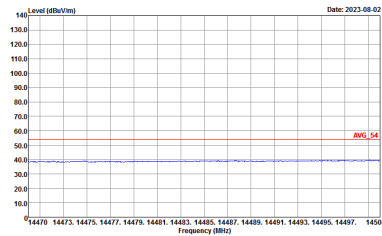
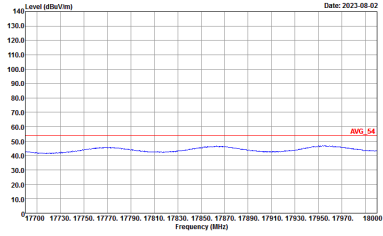
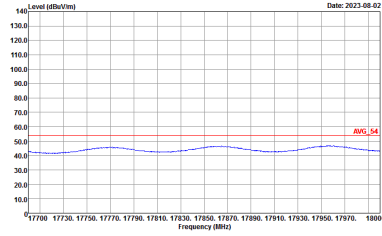


UNII-4 - 5850~5895MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11a CH169 5845MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 VERTICAL</p>

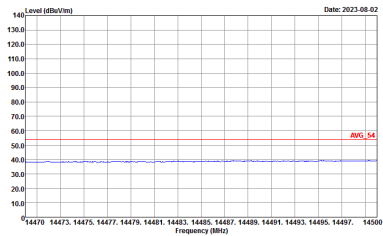
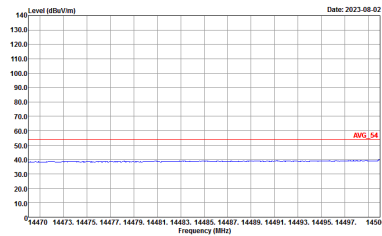
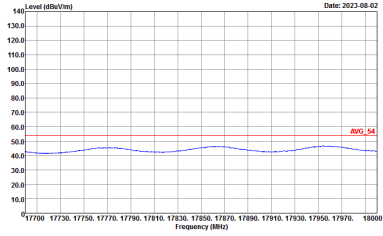
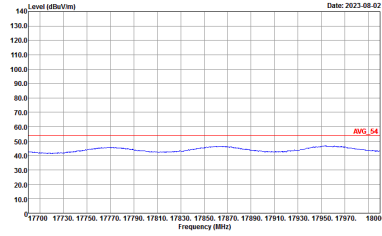


WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11a CH169 5845MHz	
4+3	Horizontal	Vertical
Peak	 <p>Date: 2023-08-02</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Date: 2023-08-02</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
Avg.	 <p>Date: 2023-08-02</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Date: 2023-08-02</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>



WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11a CH173 5865MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 VERTICAL</p>

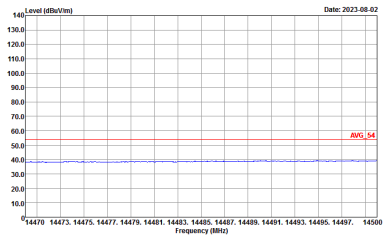
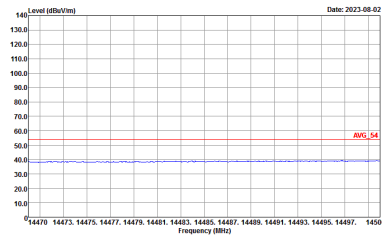
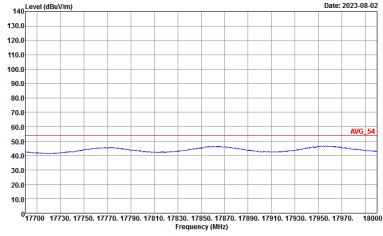
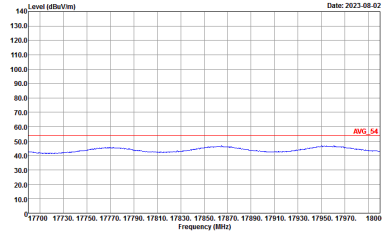


WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11a CH173 5865MHz	
4+3	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>



WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11a CH177 5885MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 VERTICAL</p>



WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11a CH177 5885MHz	
4+3	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>

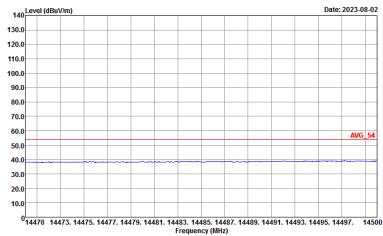
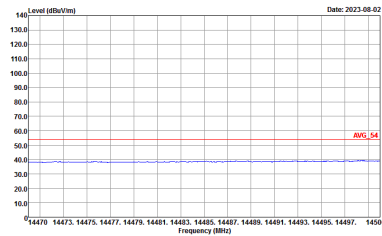
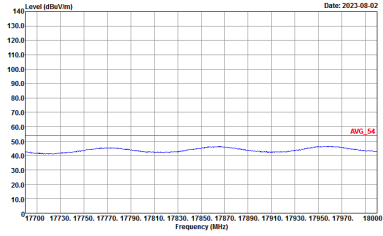
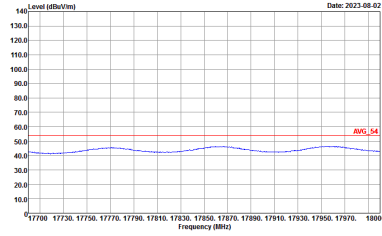


UNII-4 - 5850~5895MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH169 5845MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 VERTICAL</p>

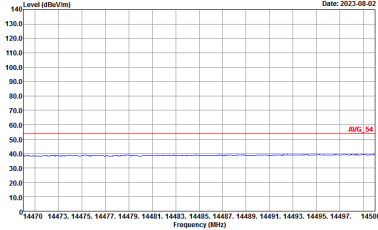
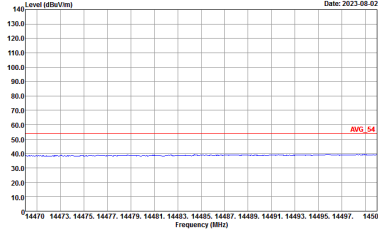
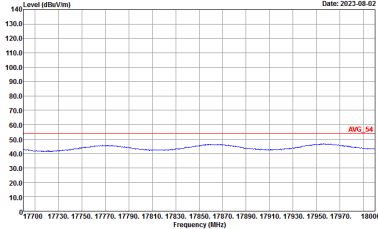
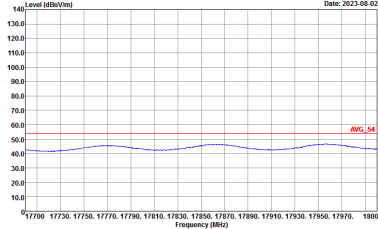


WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH169 5845MHz	
4+3	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>



WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH173 5865MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 HORIZONTAL :</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 VERTICAL :</p>

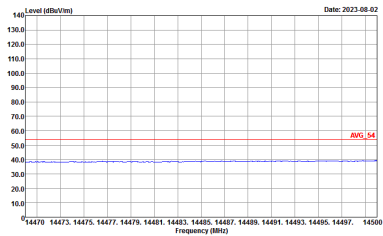
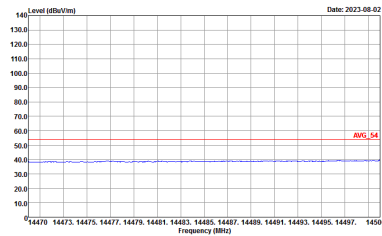
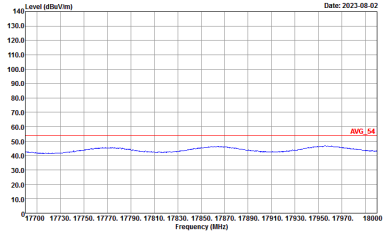
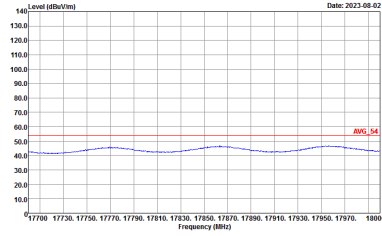


WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH173 5865MHz	
4+3	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>



WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH177 5885MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 VERTICAL</p>



WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH177 5885MHz	
4+3	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>

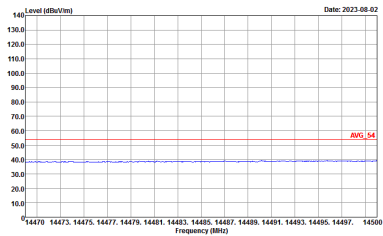
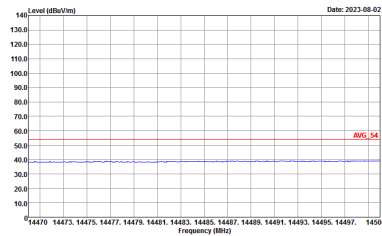
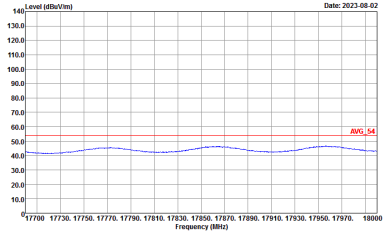
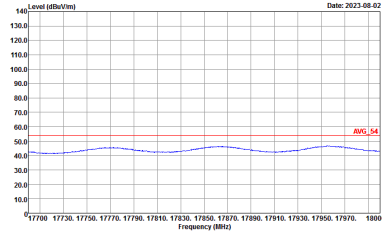


UNII-4 - 5850~5895MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH167 5835MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 VERTICAL</p>

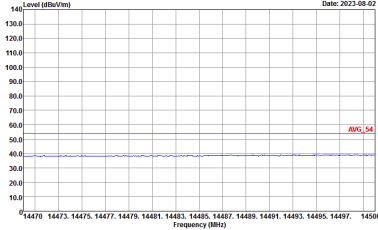
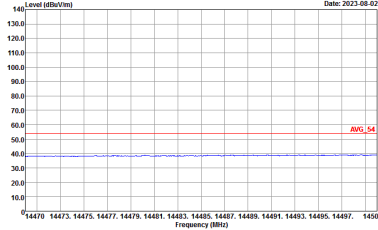
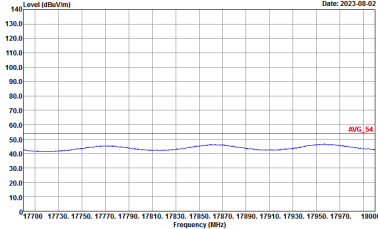
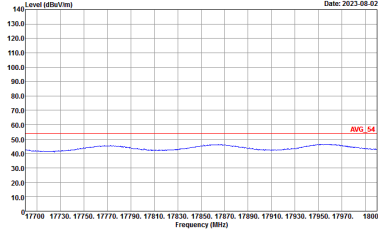


WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH167 5835MHz	
4+3	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>



WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH175 5875MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 VERTICAL</p>



WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH175 5875MHz	
4+3	Horizontal	Vertical
Peak Avg.	 <p>Date: 2023-08-02</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Date: 2023-08-02</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
Avg.	 <p>Date: 2023-08-02</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Date: 2023-08-02</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>

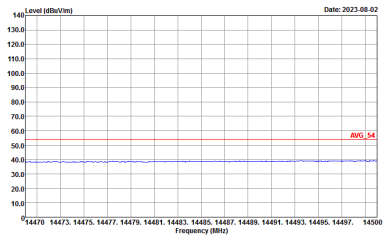
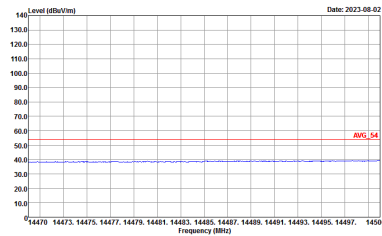
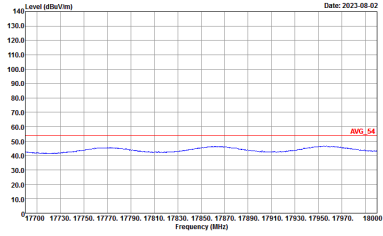
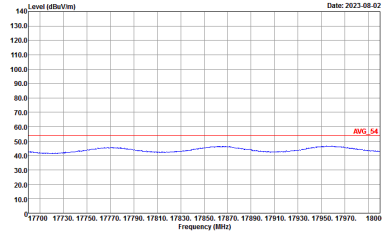


UNII-4 - 5850~5895MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH171 5855MHz	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_230630 VERTICAL</p>



WIFI	UNII-4 - 5850~5895MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH171 5855MHz	
4+3	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
Avg.	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>



Emission above 18GHz

5GHz WIFI 802.11a (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11a SHF	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNII) 1m SHF_00994_221104 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 1m SHF_00994_221104 VERTICAL</p>



Emission below 1GHz
5GHz WIFI 802.11a (LF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11a LF	
4+3	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : QP 3m 158ILO6_230318_16 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : QP 3m 158ILO6_230318_16 VERTICAL</p>