FCC RADIO TEST REPORT

FCC ID	:	**A4RGRY0E**
Equipment	:	**Wireless Device**
Model Name	:	**GRY0E**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Nov. 03, 2023 and testing was performed from Nov. 29, 2023 to Apr. 02, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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.)

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History of this test report

Report No.	Version	Description	Issue Date
FR420106G	01	Initial issue of report	Apr. 23, 2024
FR420106G	02	Revise Appendix A and Appendix C This report is an updated version, replacing the report issued on Apr. 23, 2024.	Apr. 29, 2024

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	3.04 dB under the limit at 5895.00 MHz
3.5	15.207	AC Conducted Emission	Pass	25.76 dB under the limit at 0.15 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: Ming Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs WCDMA/LTE, Bluetooth, BLE, BLE (CH2-76), Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC, UWB and GPS. **Antenna Type** WLAN: PIFA Antenna

EUT Information List	
S/N	**Performed Test Item**
1JE6501133103033A300F0F	RF Conducted Measurement
41311JEAYL00E3	Radiated Spurious Emission
41311JEAYL0087	Conducted Emission

Antenna information		
5850 MHz ~ 5895 MHz	Peak Gain (dBi)	-4.20

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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

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

FCC designation No.: TW3786

1.4 Applicable Standards

According to the specifications 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 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 adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Z 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 partial RU modes in HE40/HE80 are covered by modes in HE20 because the power setting is identical

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

Single Mode

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20	**MCS0**
802.11n HT40	**MCS0**
802.11ac VHT20	**MCS0**
802.11ac VHT40	**MCS0**
802.11ac VHT80	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1: Bluetooth Link + WLAN (5GHz) Link + USB Cable (Charging from AC Adapter)

Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels	
		802.11a	802.11n HT20
L	Low	169	169
M	Middle	173	173
H	High	177	177

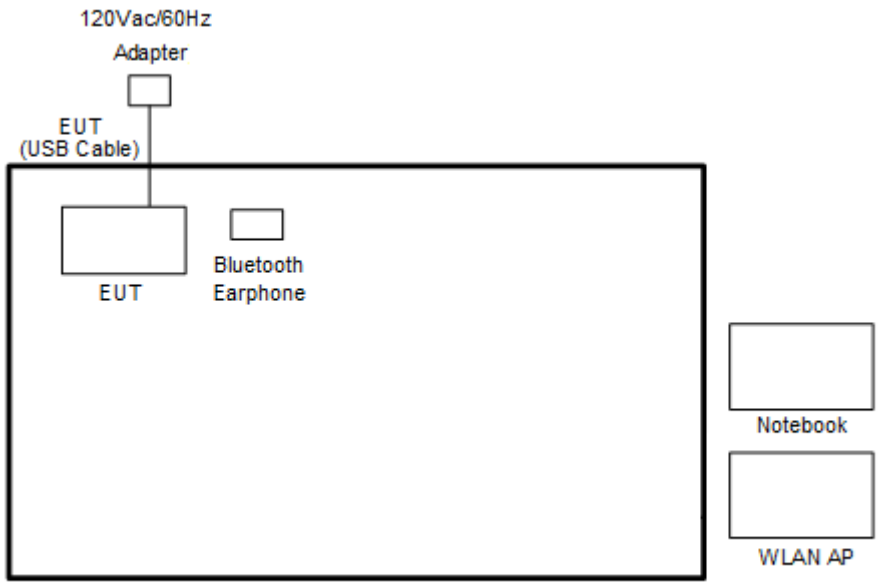
Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels		
		802.11ac VHT20	802.11ac VHT40	802.11ac VHT80
L	Low	169	167	-
M	Middle	-	-	171
H	High	177	175	-

Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels		
		802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	169	167	-
M	Middle	173	-	171
H	High	177	175	-

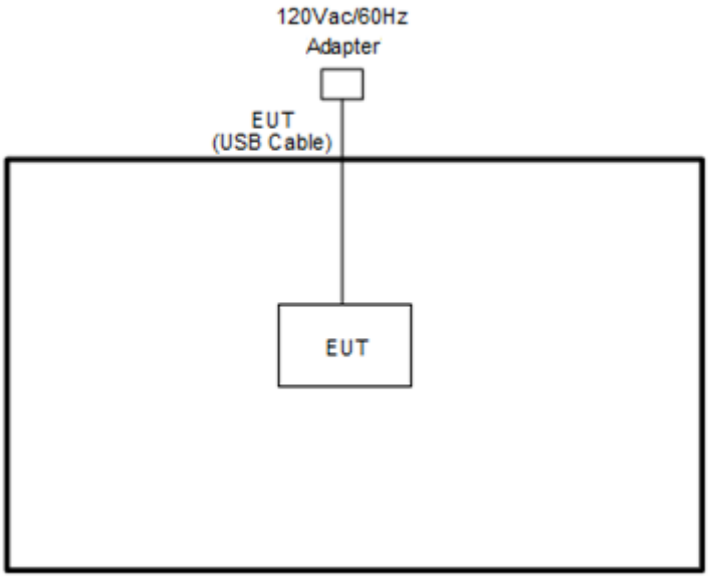
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

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.	Bluetooth Earphone	Sony	SBH20	PY7-RD0010	N/A	N/A
2.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	AC Adapter	Chicony	G9BR1	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “Cmd Version 1.0.39” 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.

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

3 Test Result

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

3.1.1Description 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.

3.1.2Measuring Instruments

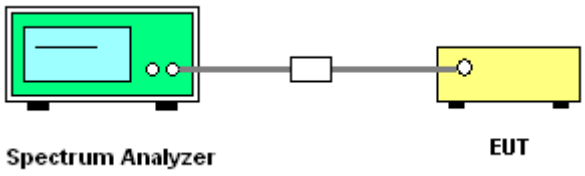
Please refer to the measuring equipment list in this test report.

3.1.3Test 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 ≥ 3 x 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.

3.1.4Test Setup



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

Please refer to Appendix A.

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

3.2.1Limit 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.

3.2.2Measuring Instruments

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

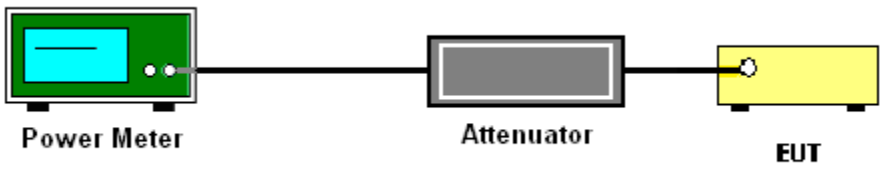
3.2.3Test Procedures

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.

3.2.4Test Setup



3.2.5Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1Limit 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.

3.3.2Measuring Instruments

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

3.3.3Test Procedures

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

Section F) Maximum power spectral density.

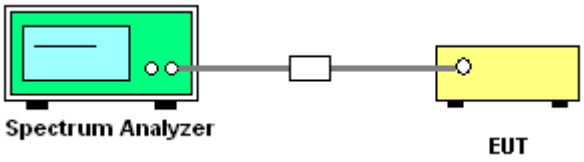
 # Method SA-2 #

(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 ≥ 3 MHz.
- Number of points in sweep ≥ 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.

3.3.4Test Setup



3.3.5Test 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.

3.4.1Limit 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.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/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:

$$EIRP[dBm] = E[dB\mu V/m] - 95.2$$

3.4.2Measuring Instruments

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

3.4.3Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

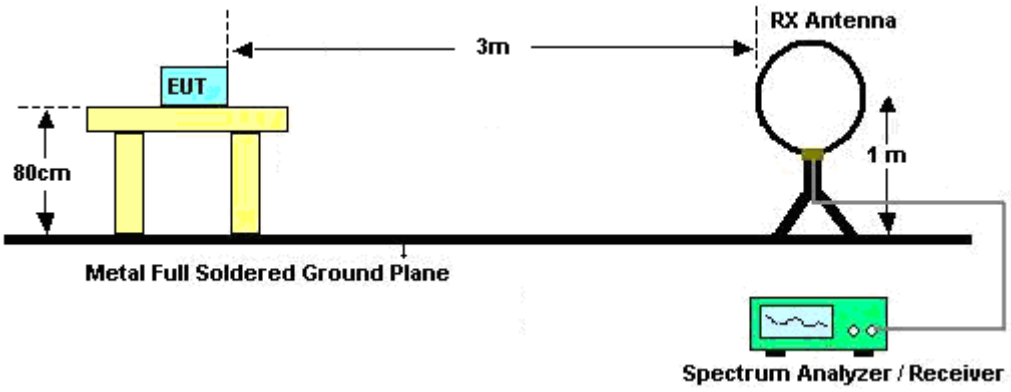
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

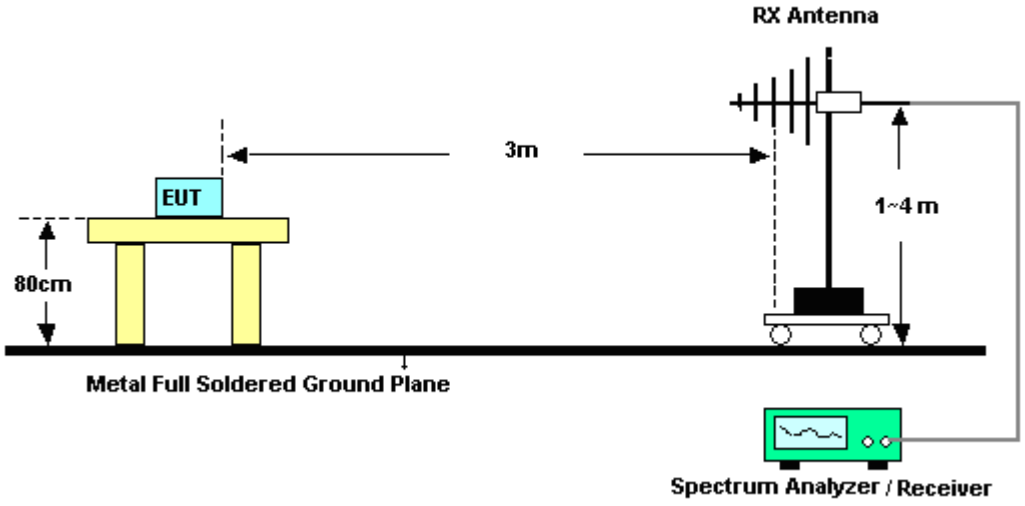
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.
4. The measurement antenna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

3.4.4Test Setup

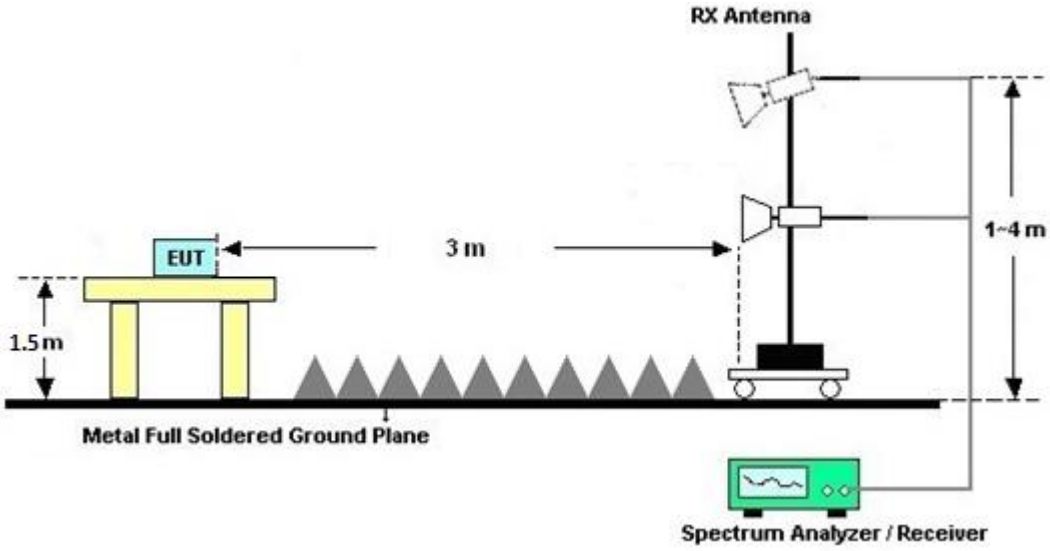
For radiated emissions below 30MHz



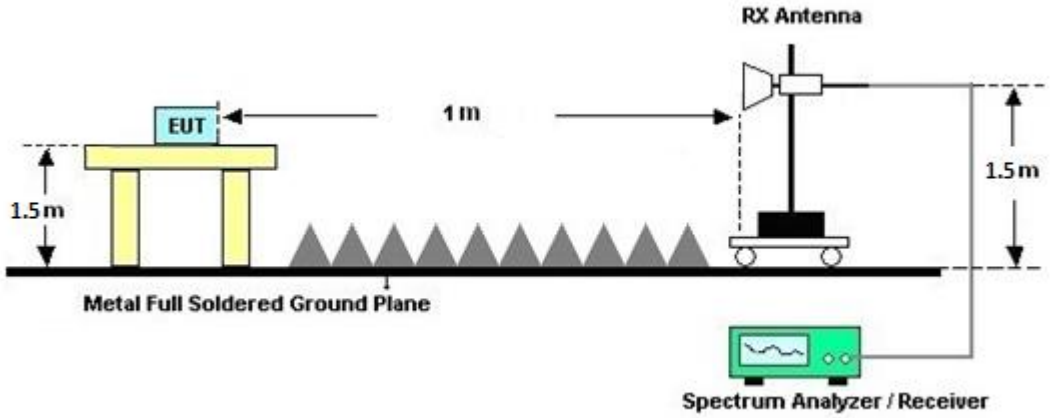
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5Test 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.

3.4.6Test 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.

3.4.7Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.8Duty Cycle

Please refer to Appendix E.

3.4.9Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

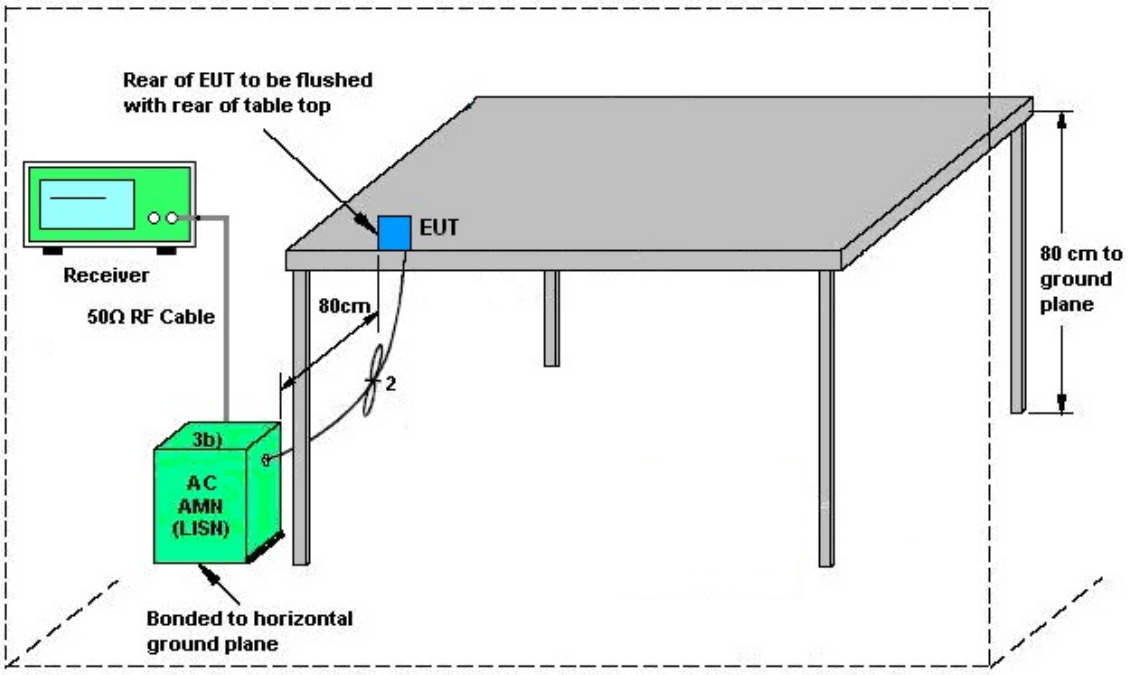
3.5.2Measuring Instruments

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

3.5.3Test 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.

3.5.4Test Setup



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

3.5.5Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1Standard 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.

3.6.2Antenna 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
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Nov. 29, 2023~ Mar. 26, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 36 (NO:35_原 144)	10MHz~6GHz	Aug. 23, 2023	Nov. 29, 2023~ Mar. 26, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Nov. 29, 2023~ Mar. 26, 2024	Sep. 11, 2024	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Mar. 15, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 15, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Mar. 15, 2024	Oct. 19, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Mar. 15, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Mar. 15, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Mar. 15, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Mar. 09, 2024~ Apr. 02, 2024	Sep. 11, 2024	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2023	Mar. 09, 2024~ Apr. 02, 2024	Nov. 23, 2024	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz to 1GHz	Oct. 07, 2023	Mar. 09, 2024~ Apr. 02, 2024	Oct. 06, 2024	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 23, 2023	Mar. 09, 2024~ Apr. 02, 2024	Mar. 22, 2024	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02038	1G~18GHz	Jul. 31, 2023	Mar. 09, 2024~ Apr. 02, 2024	Jul. 30, 2024	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 03, 2023	Mar. 09, 2024~ Apr. 02, 2024	Jul. 02, 2024	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 07, 2023	Mar. 09, 2024~ Apr. 02, 2024	Dec. 06, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 25, 2023	Mar. 09, 2024~ Apr. 02, 2024	Dec. 24, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Mar. 09, 2024~ Apr. 02, 2024	Jun. 26, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 15, 2024	Mar. 09, 2024~ Apr. 02, 2024	Jan. 14, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN3	3GHz High Pass Filter	Jun. 29, 2023	Mar. 09, 2024~ Apr. 02, 2024	Jun. 28, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN27	6.75GHz High Pass Filter	Nov. 13, 2023	Mar. 09, 2024~ Apr. 02, 2024	Nov. 12, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Mar. 09, 2024~ Apr. 02, 2024	Mar. 05, 2025	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-5757,805935/4,802434/4	30MHz~18GHz	Aug. 08, 2023	Mar. 09, 2024~ Apr. 02, 2024	Aug. 07, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	18-40GHz	Jan. 02, 2024	Mar. 09, 2024~ Apr. 02, 2024	Jan. 01, 2025	Radiation (03CH16-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Mar. 09, 2024~ Apr. 02, 2024	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Mar. 09, 2024~ Apr. 02, 2024	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 09, 2024~ Apr. 02, 2024	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 09, 2024~ Apr. 02, 2024	N/A	Radiation (03CH16-HY)

5 Measurement Uncertainty

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

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

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

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

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

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

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

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

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2023/11/29~2024/3/26	Relative Humidity:	51~54	%

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

UNII-4 single antenna												
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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	169	5845	17.28	-	24.56	-	16.40	-	0.5	Pass
11a	6Mbps	1	173	5865	17.43	-	26.48	-	16.50	-	0.5	Pass
11a	6Mbps	1	177	5885	17.63	-	28.72	-	16.45	-	0.5	Pass
HT20	MCS0	1	169	5845	18.38	-	26.32	-	17.70	-	0.5	Pass
HT20	MCS0	1	173	5865	18.43	-	26.48	-	17.70	-	0.5	Pass
HT20	MCS0	1	177	5885	19.13	-	39.60	-	17.70	-	0.5	Pass
HT40	MCS0	1	167	5835	37.36	-	71.04	-	36.54	-	0.5	Pass
HT40	MCS0	1	175	5875	37.56	-	84.16	-	36.54	-	0.5	Pass
VHT20	MCS0	1	169	5845	18.38	-	29.84	-	17.70	-	0.5	Pass
VHT20	MCS0	1	173	5865	18.43	-	30.32	-	17.70	-	0.5	Pass
VHT20	MCS0	1	177	5885	18.93	-	35.44	-	17.70	-	0.5	Pass
VHT40	MCS0	1	167	5835	37.06	-	68.00	-	36.54	-	0.5	Pass
VHT40	MCS0	1	175	5875	37.26	-	79.52	-	36.54	-	0.5	Pass
VHT80	MCS0	1	171	5855	75.76	-	82.88	-	75.52	-	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-4 single antenna												
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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 1	Ant 2
11a	6Mbps	1	169	5845	17.20	-		-4.20	-	13.00	30	-
11a	6Mbps	1	173	5865	17.30	-		-4.20	-	13.10	30	-
11a	6Mbps	1	177	5885	17.30	-		-4.20	-	13.10	30	-
HT20	MCS0	1	169	5845	17.10	-		-4.20	-	12.90	30	-
HT20	MCS0	1	173	5865	17.30	-		-4.20	-	13.10	30	-
HT20	MCS0	1	177	5885	17.40	-		-4.20	-	13.20	30	-
HT40	MCS0	1	167	5835	16.30	-		-4.20	-	12.10	30	-
HT40	MCS0	1	175	5875	16.40	-		-4.20	-	12.20	30	-
VHT20	MCS0	1	169	5845	17.10	-		-4.20	-	12.90	30	-
VHT20	MCS0	1	173	5865	17.30	-		-4.20	-	13.10	30	-
VHT20	MCS0	1	177	5885	17.40	-		-4.20	-	13.20	30	-
VHT40	MCS0	1	167	5835	16.30	-		-4.20	-	12.10	30	-
VHT40	MCS0	1	175	5875	16.40	-		-4.20	-	12.20	30	-
VHT80	MCS0	1	171	5855	15.30	-		-4.20	-	11.10	30	-

TEST RESULTS DATA
Power Spectral Density

UNII-4 single antenna															
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 1	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	169	5845	0.42	5.62	-		-4.20	-	1.42	-	14.00	-	Pass
11a	6Mbps	1	173	5865	0.42	5.98	-		-4.20	-	1.78	-	14.00	-	Pass
11a	6Mbps	1	177	5885	0.42	5.90	-		-4.20	-	1.70	-	14.00	-	Pass
HT20	MCS0	1	169	5845	0.47	5.29	-		-4.20	-	1.09	-	14.00	-	Pass
HT20	MCS0	1	173	5865	0.47	5.54	-		-4.20	-	1.34	-	14.00	-	Pass
HT20	MCS0	1	177	5885	0.47	5.55	-		-4.20	-	1.35	-	14.00	-	Pass
HT40	MCS0	1	167	5835	0.49	1.32	-		-4.20	-	-2.88	-	14.00	-	Pass
HT40	MCS0	1	175	5875	0.49	1.50	-		-4.20	-	-2.70	-	14.00	-	Pass
VHT20	MCS0	1	169	5845	0.44	5.41	-		-4.20	-	1.21	-	14.00	-	Pass
VHT20	MCS0	1	173	5865	0.44	5.58	-		-4.20	-	1.38	-	14.00	-	Pass
VHT20	MCS0	1	177	5885	0.44	5.64	-		-4.20	-	1.44	-	14.00	-	Pass
VHT40	MCS0	1	167	5835	0.46	1.39	-		-4.20	-	-2.81	-	14.00	-	Pass
VHT40	MCS0	1	175	5875	0.46	1.81	-		-4.20	-	-2.39	-	14.00	-	Pass
VHT80	MCS0	1	171	5855	0.52	-2.16	-		-4.20	-	-6.36	-	14.00	-	Pass

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

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

UNII-4 single antenna													
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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	1	169	5845	Full	19.28	-	27.84	-	19.15	-	0.5	Pass
HE20	MCS0	1	173	5865	Full	19.33	-	26.72	-	19.10	-	0.5	Pass
HE20	MCS0	1	177	5885	Full	19.43	-	32.40	-	19.10	-	0.5	Pass
HE40	MCS0	1	167	5835	Full	37.96	-	46.88	-	37.80	-	0.5	Pass
HE40	MCS0	1	175	5875	Full	38.06	-	53.44	-	37.98	-	0.5	Pass
HE80	MCS0	1	171	5855	Full	77.08	-	82.24	-	77.12	-	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-4 single antenna													
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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 1	Ant 2
HE20	MCS0	1	169	5845	Full	17.10	-		-4.20	-	12.90	30	-
HE20	MCS0	1	169	5845	26/0	8.20	-		-4.20	-	4.00	30	-
HE20	MCS0	1	169	5845	52/37	10.50	-		-4.20	-	6.30	30	-
HE20	MCS0	1	169	5845	106/53	13.40	-		-4.20	-	9.20	30	-
HE20	MCS0	1	173	5865	Full	17.30	-		-4.20	-	13.10	30	-
HE20	MCS0	1	173	5865	26/4	9.50	-		-4.20	-	5.30	30	-
HE20	MCS0	1	173	5865	52/38	11.10	-		-4.20	-	6.90	30	-
HE20	MCS0	1	173	5865	106/53	13.90	-		-4.20	-	9.70	30	-
HE20	MCS0	1	177	5885	Full	17.40	-		-4.20	-	13.20	30	-
HE20	MCS0	1	177	5885	26/8	8.20	-		-4.20	-	4.00	30	-
HE20	MCS0	1	177	5885	52/40	10.90	-		-4.20	-	6.70	30	-
HE20	MCS0	1	177	5885	106/54	14.10	-		-4.20	-	9.90	30	-
HE40	MCS0	1	167	5835	Full	16.20	-		-4.20	-	12.00	30	-
HE40	MCS0	1	175	5875	Full	16.40	-		-4.20	-	12.20	30	-
HE80	MCS0	1	171	5855	Full	15.30	-		-4.20	-	11.10	30	-

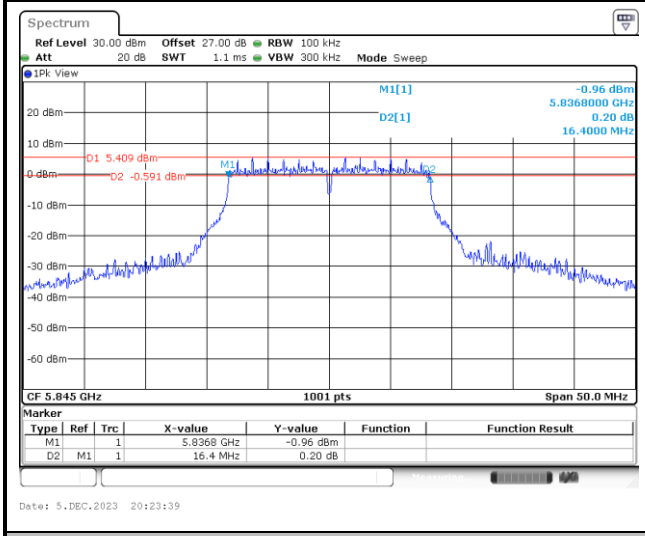
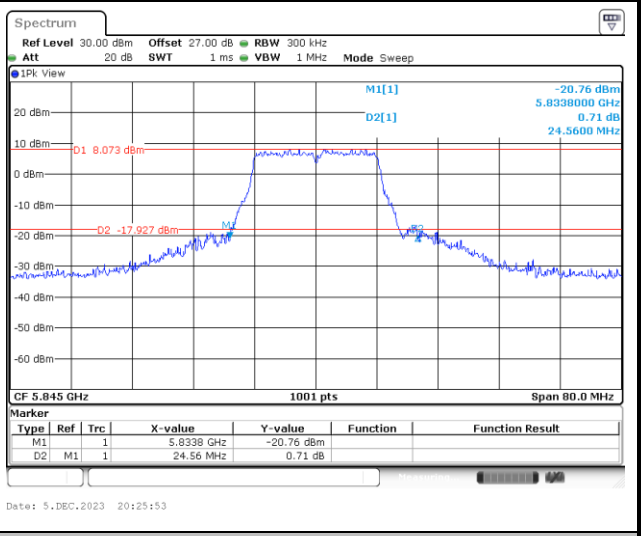
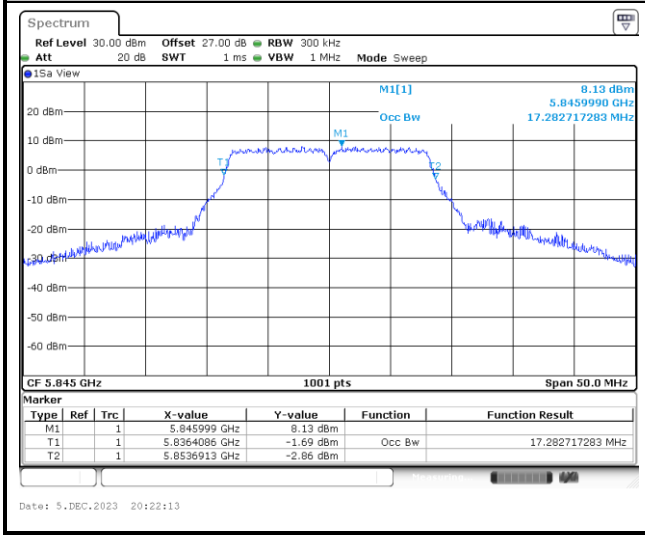
TEST RESULTS DATA
Power Spectral Density

UNII-4 single antenna																
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 1	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	169	5845	Full	0.58	4.98	-		-4.20	-	0.78	-	14.00	-	Pass
HE20	MCS0	1	169	5845	26/0	0.25	4.89	-		-4.20	-	0.69	-	14.00	-	Pass
HE20	MCS0	1	169	5845	52/37	0.30	4.84	-		-4.20	-	0.64	-	14.00	-	Pass
HE20	MCS0	1	169	5845	106/53	0.33	4.97	-		-4.20	-	0.77	-	14.00	-	Pass
HE20	MCS0	1	173	5865	Full	0.58	5.39	-		-4.20	-	1.19	-	14.00	-	Pass
HE20	MCS0	1	173	5865	26/4	0.25	5.27	-		-4.20	-	1.07	-	14.00	-	Pass
HE20	MCS0	1	173	5865	52/38	0.30	5.26	-		-4.20	-	1.06	-	14.00	-	Pass
HE20	MCS0	1	173	5865	106/53	0.33	5.10	-		-4.20	-	0.90	-	14.00	-	Pass
HE20	MCS0	1	177	5885	Full	0.58	5.31	-		-4.20	-	1.11	-	14.00	-	Pass
HE20	MCS0	1	177	5885	26/8	0.25	5.08	-		-4.20	-	0.88	-	14.00	-	Pass
HE20	MCS0	1	177	5885	52/40	0.30	5.07	-		-4.20	-	0.87	-	14.00	-	Pass
HE20	MCS0	1	177	5885	106/54	0.33	5.18	-		-4.20	-	0.98	-	14.00	-	Pass
HE40	MCS0	1	167	5835	Full	0.59	1.15	-		-4.20	-	-3.05	-	14.00	-	Pass
HE40	MCS0	1	175	5875	Full	0.59	1.38	-		-4.20	-	-2.82	-	14.00	-	Pass
HE80	MCS0	1	171	5855	Full	0.60	-2.57	-		-4.20	-	-6.77	-	14.00	-	Pass

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

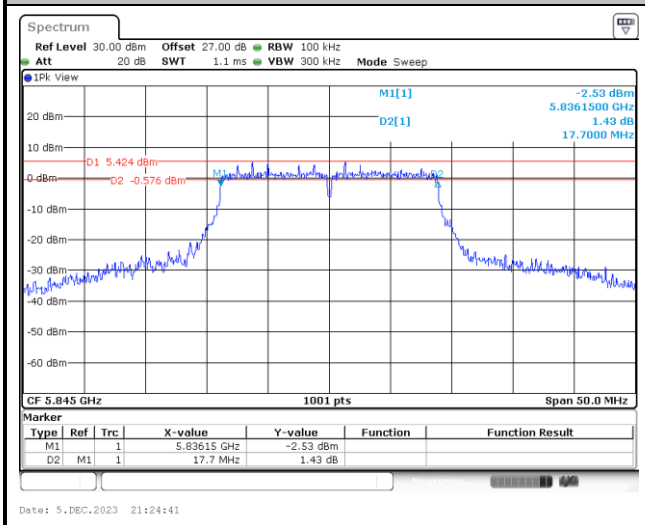
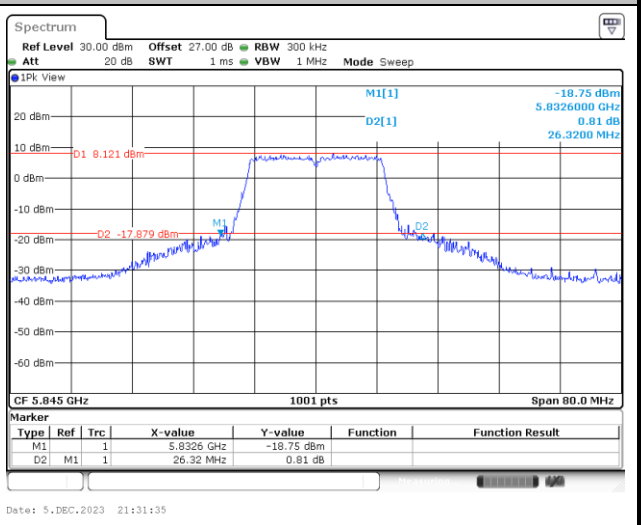
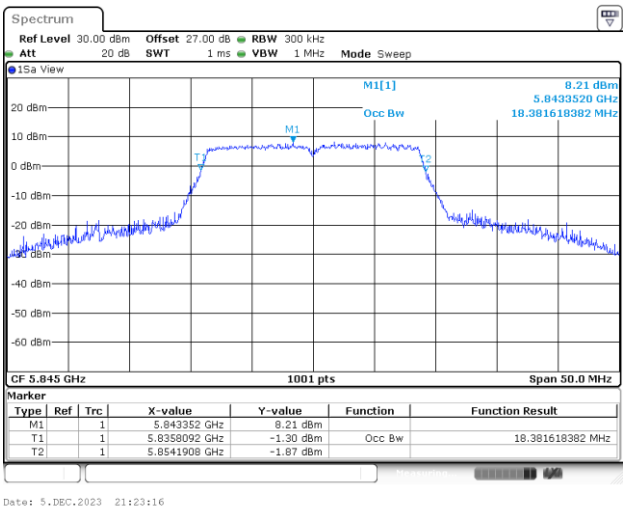
Test Result of 6dB and 26dB and 99% Occupied Bandwidth

<802.11a>

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

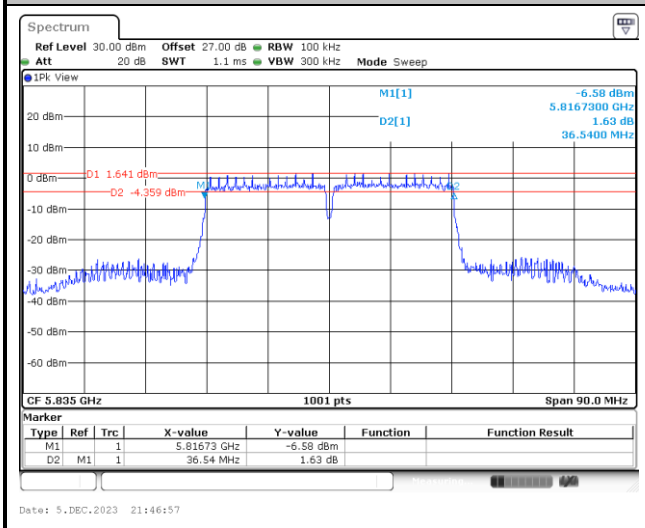
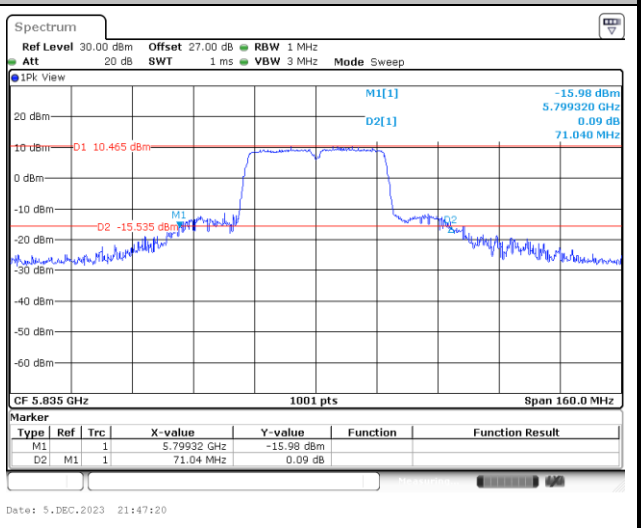
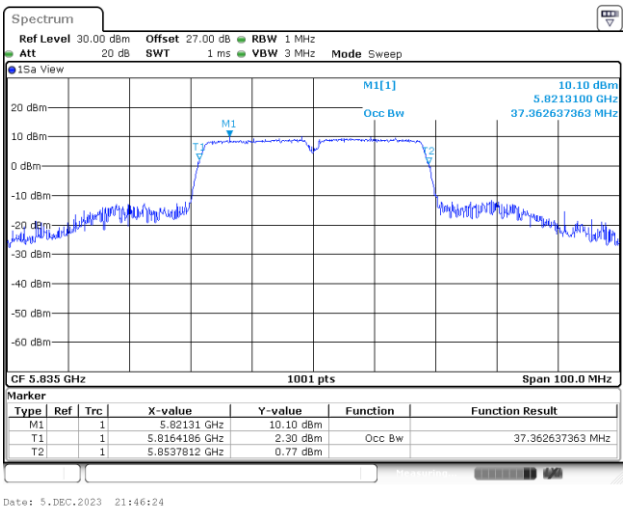
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11an HT20>

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

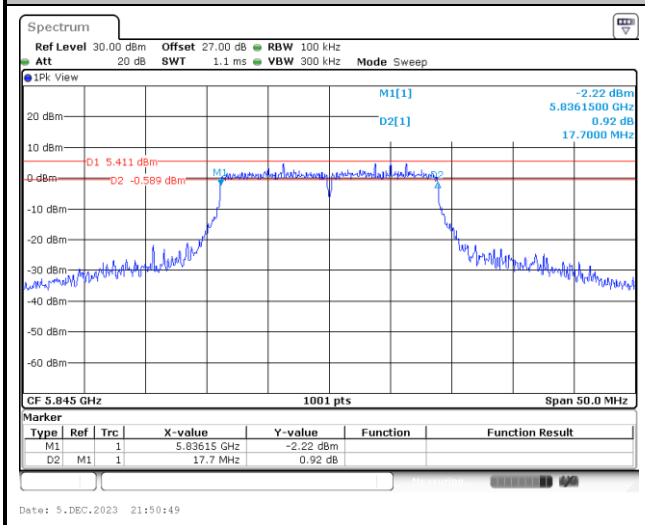
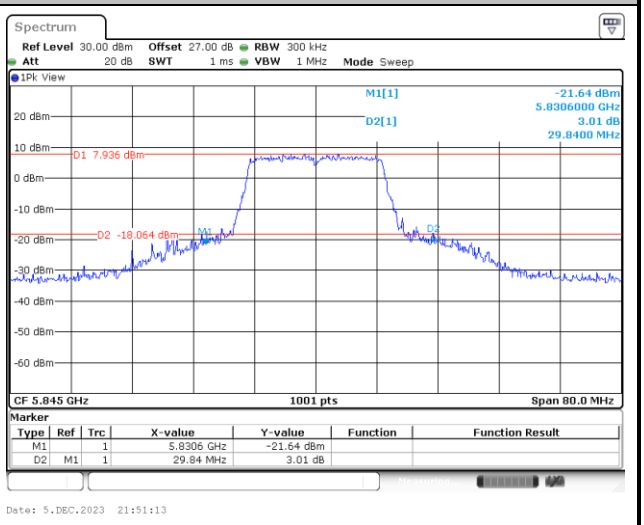
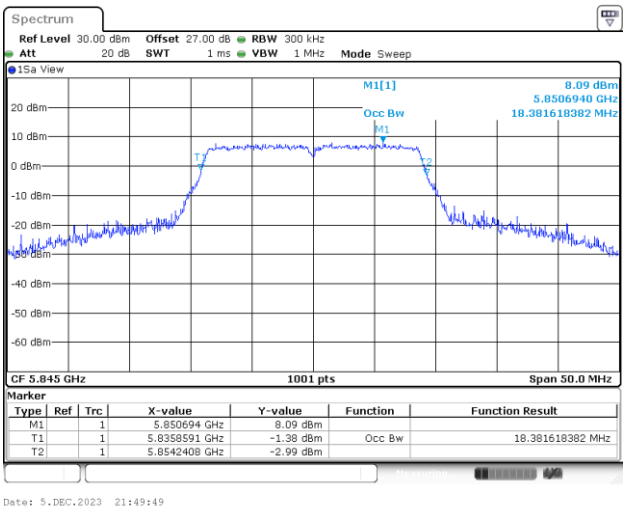
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11an HT40>

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

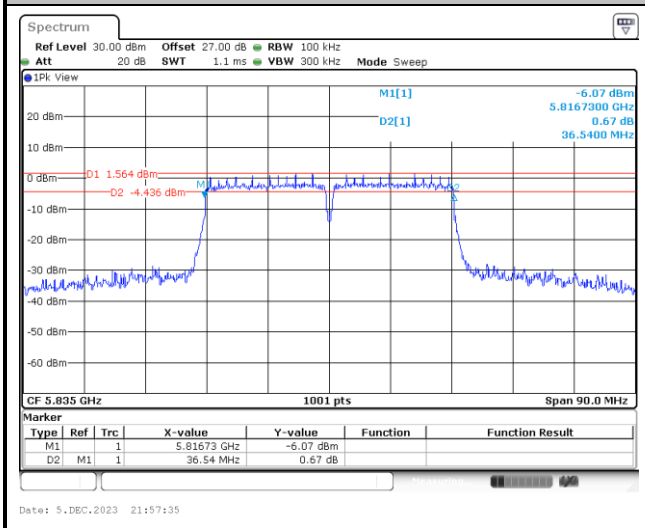
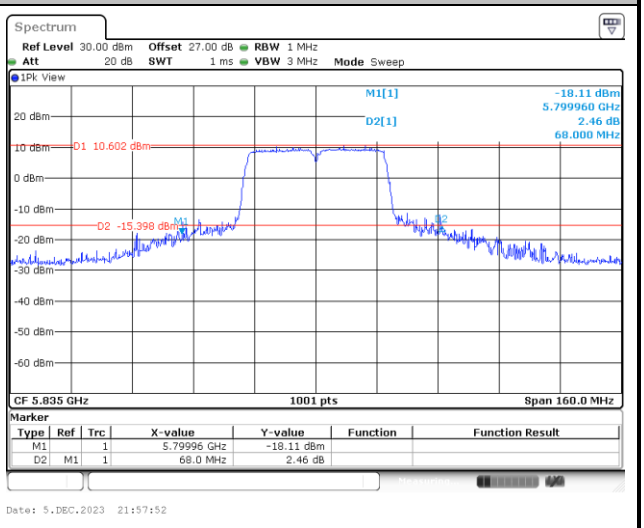
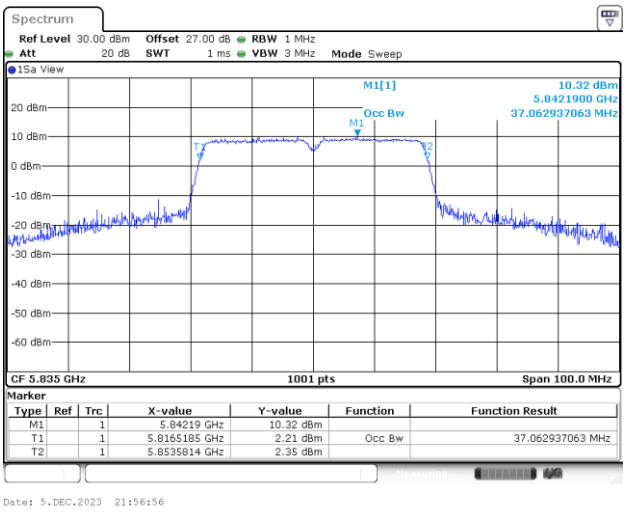
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ac VHT20>

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

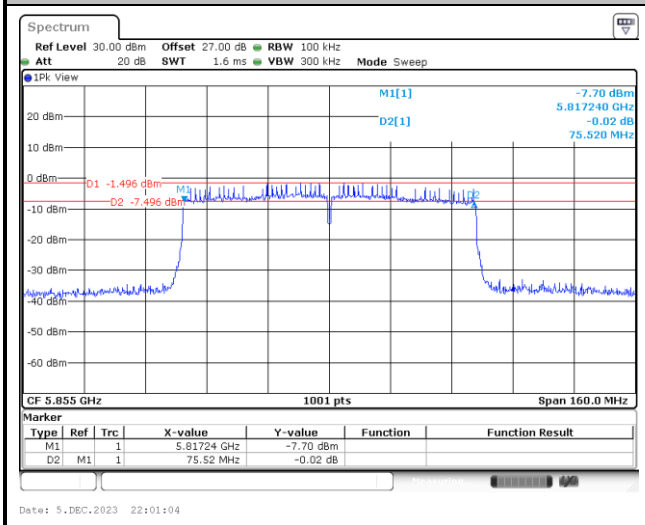
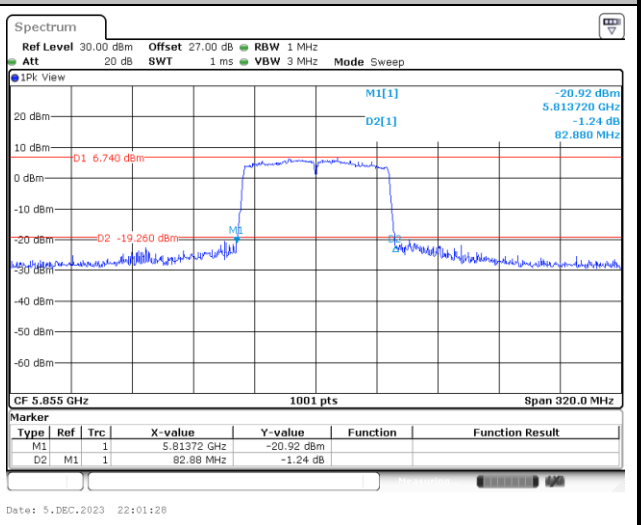
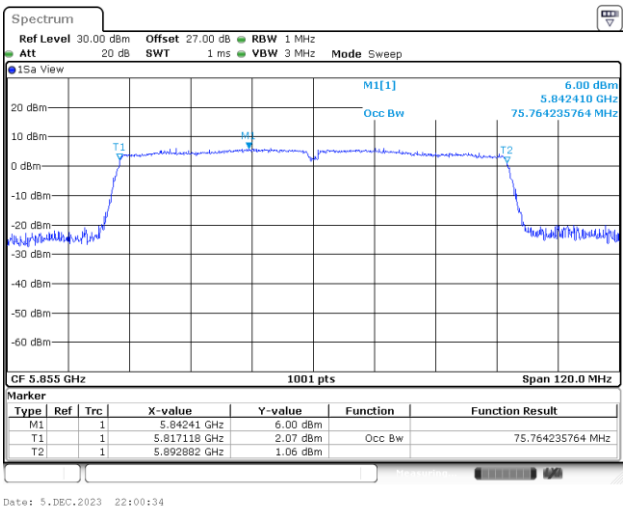
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ac VHT40>

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

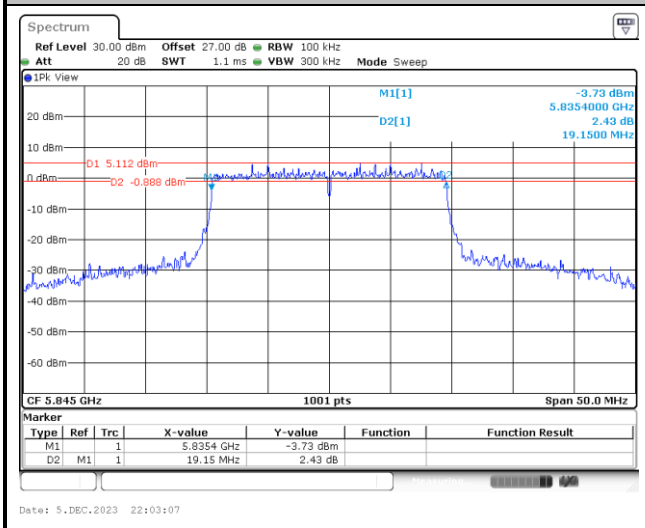
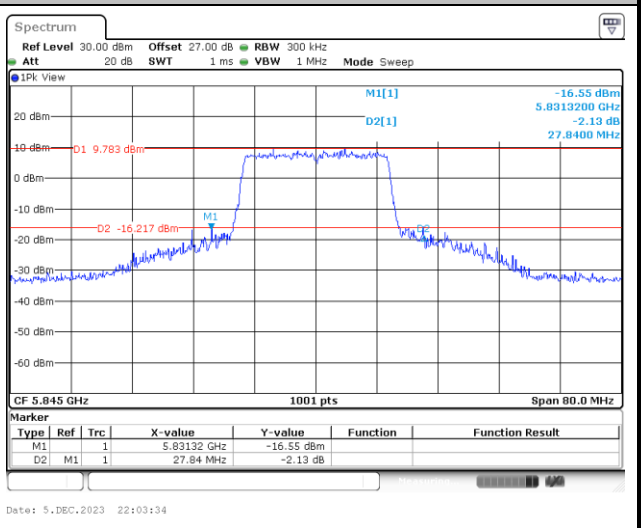
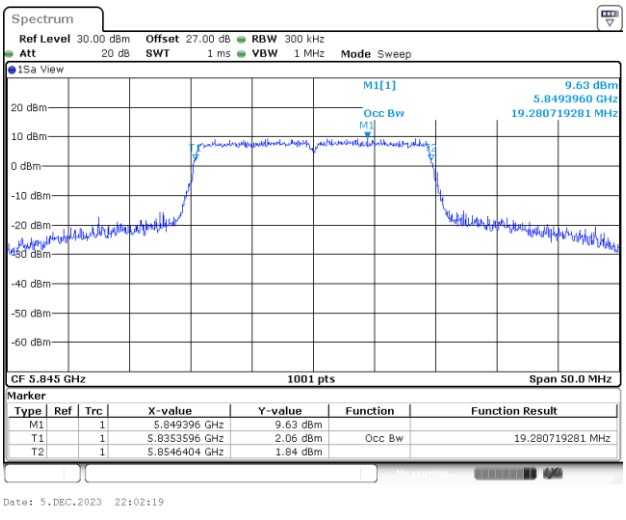
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ac VHT80>

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

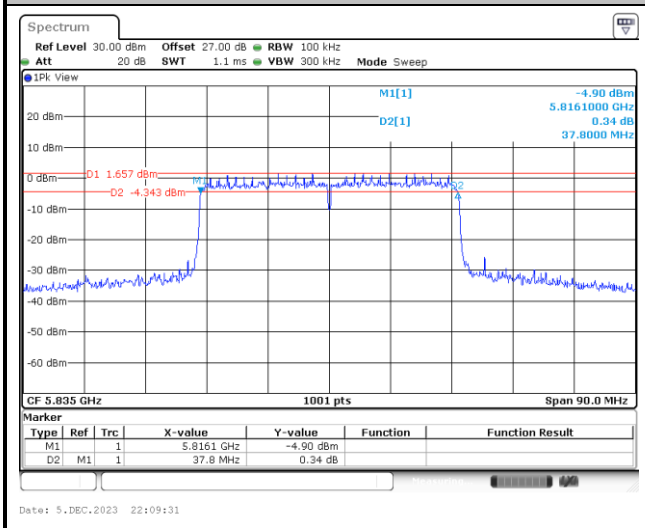
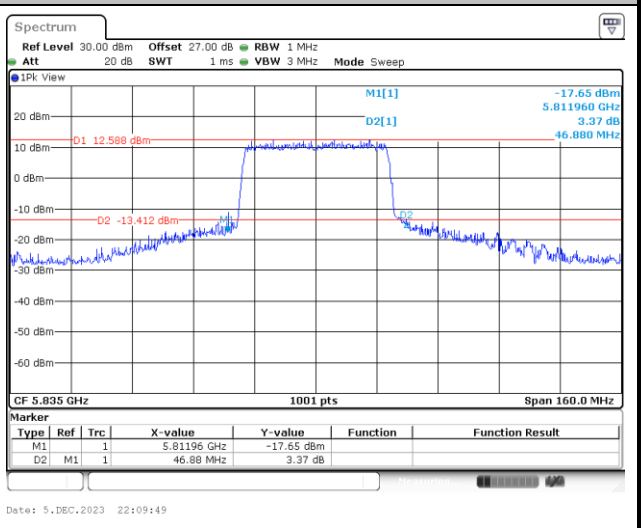
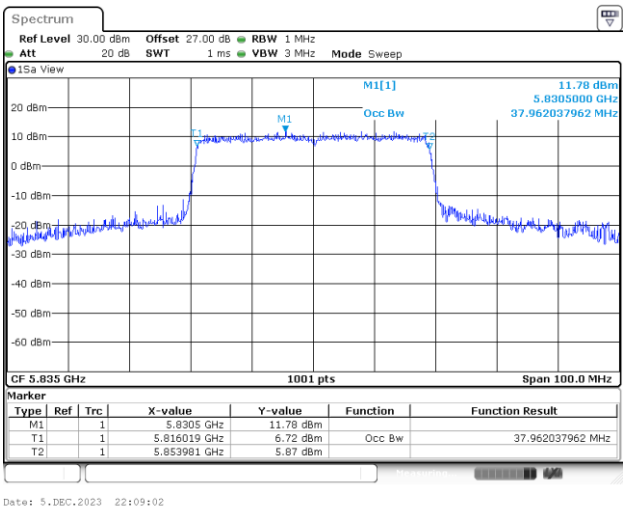
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ax HE20>

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

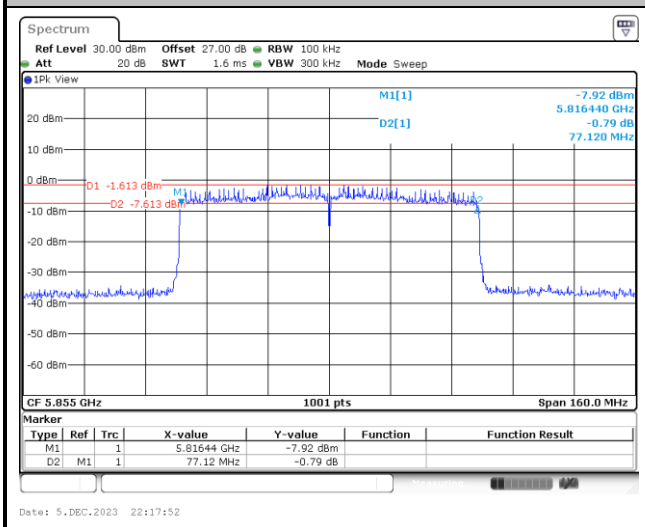
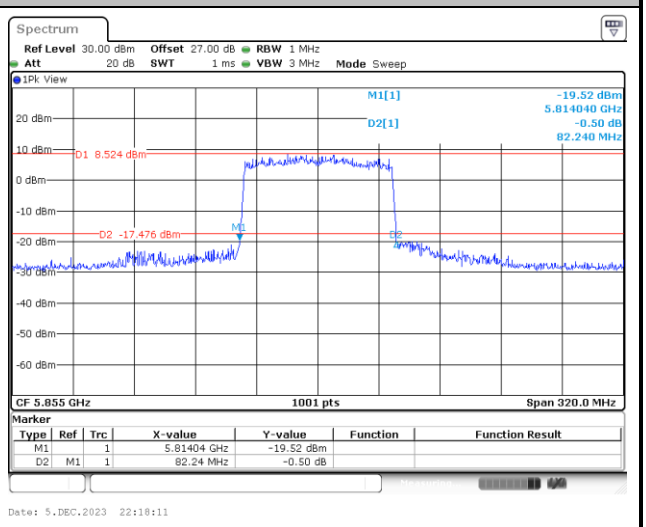
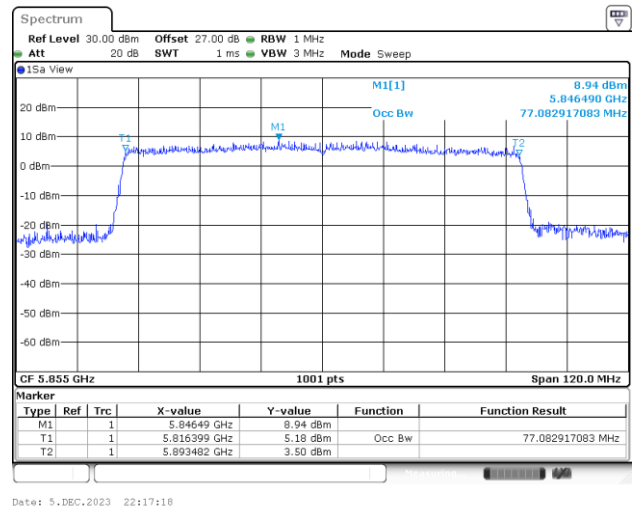
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ax HE40>

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

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

<802.11ax HE80>

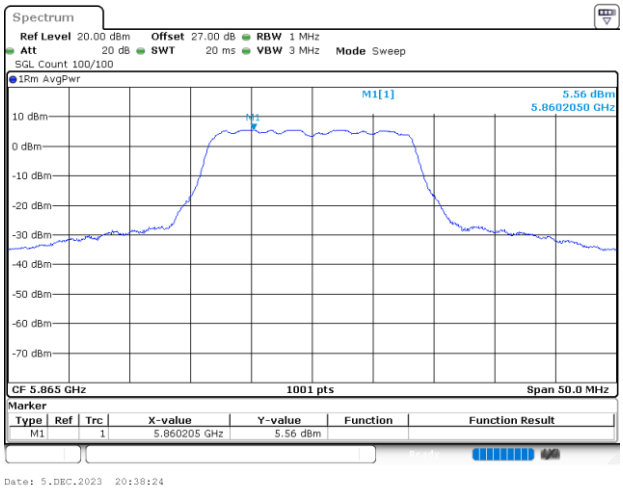
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

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

Test Result of Power Spectral Density

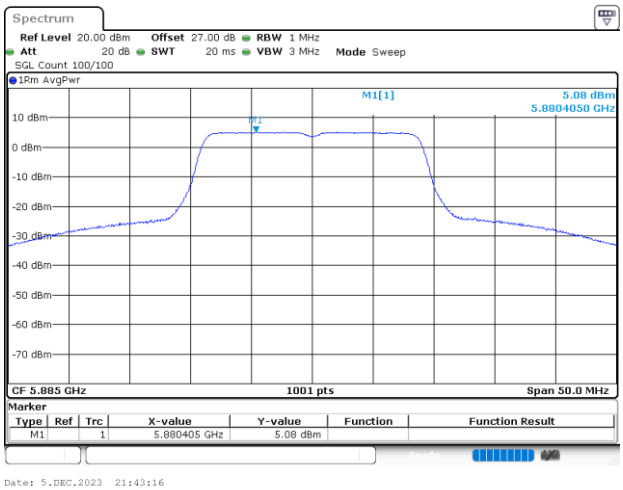
<802.11a>

Maximum Power Density Plot (dBm/300kHz)



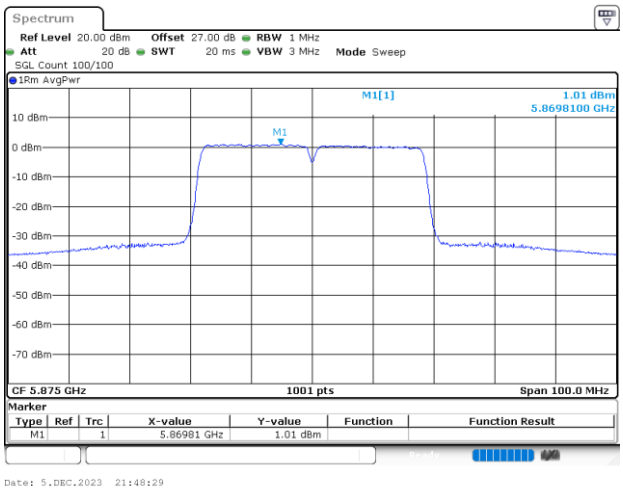
<802.11an HT20>

Maximum Power Density Plot (dBm/300kHz)



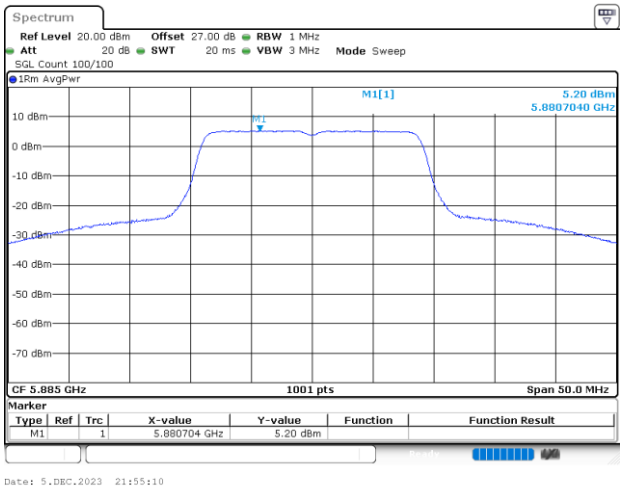
<802.11an HT40>

Maximum Power Density Plot (dBm/300kHz)



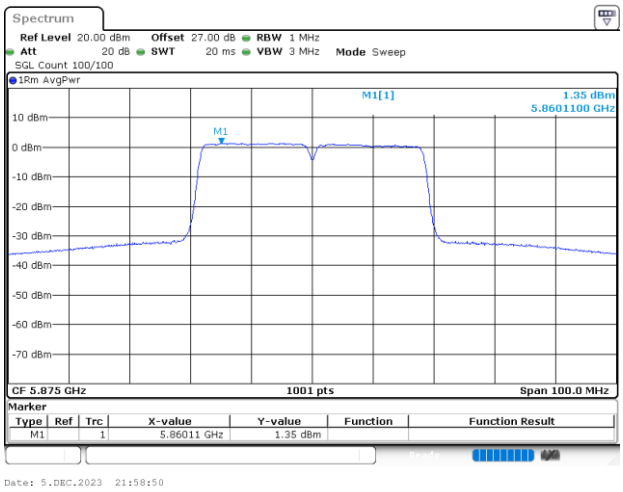
<802. 11ac VHT20>

Maximum Power Density Plot (dBm/300kHz)



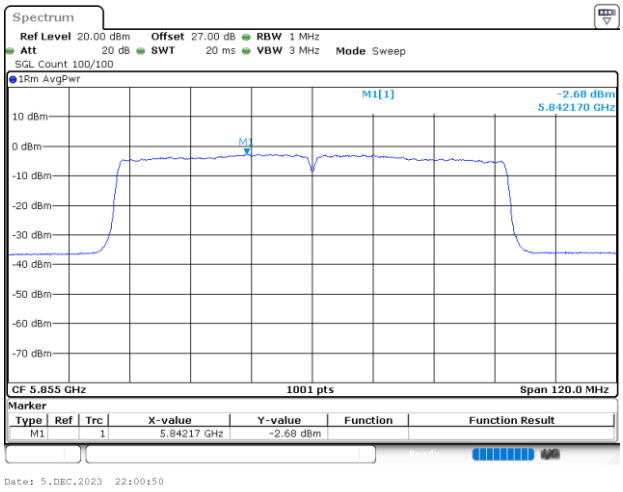
<802. 11ac VHT40>

Maximum Power Density Plot (dBm/300kHz)

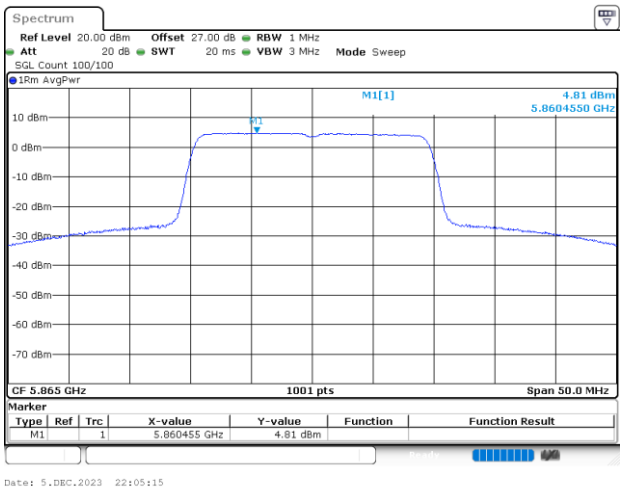


<802.11ac VHT80>

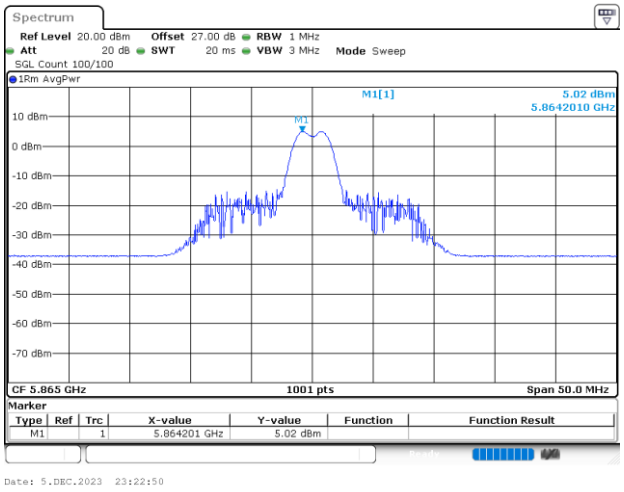
Maximum Power Density Plot (dBm/300kHz)



<802.11ax HE20>

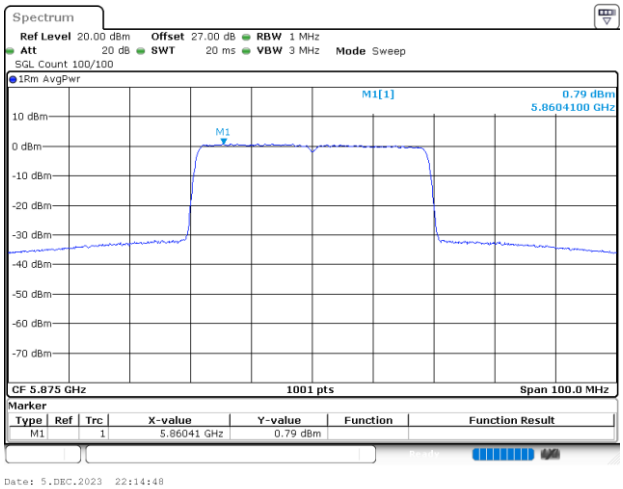
Maximum Power Density Plot (dBm/300kHz)


<802.11ax HE20 26RU>

Maximum Power Density Plot (dBm/300kHz)


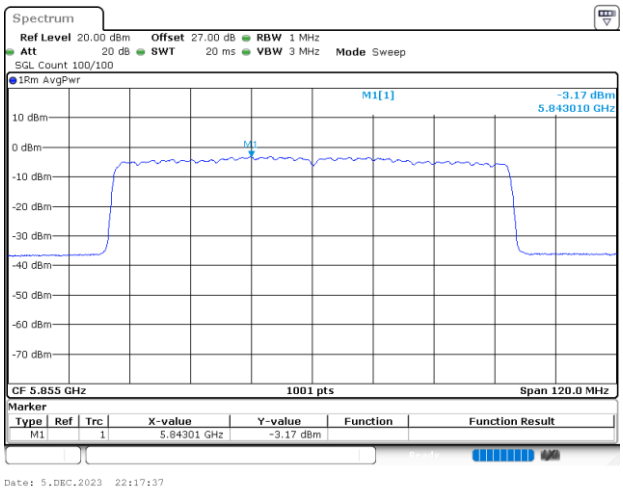
<802.11ax HE40>

Maximum Power Density Plot (dBm/300kHz)



<802.11ax HE80>

Maximum Power Density Plot (dBm/300kHz)

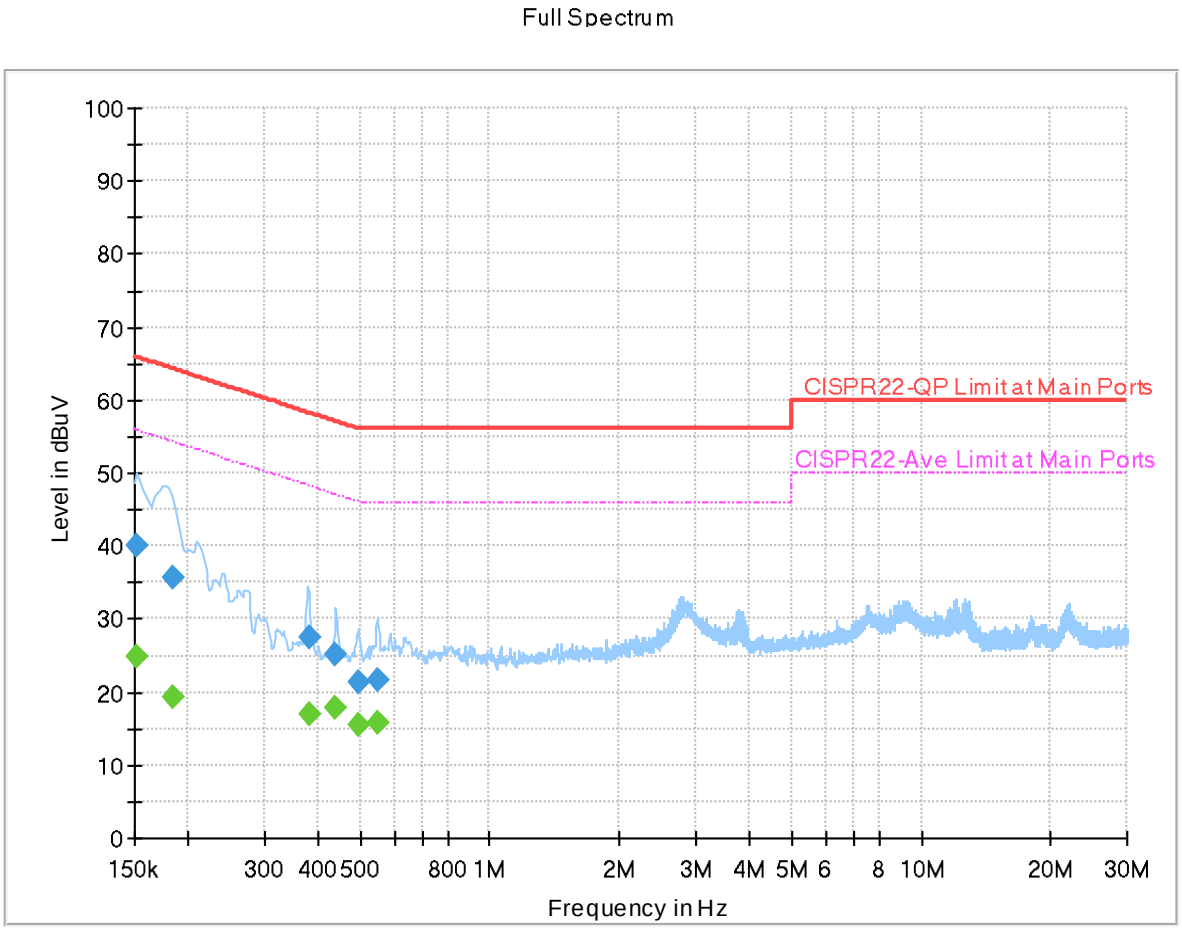


Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	20.5~21.7℃
		Relative Humidity :	41.2~46.4%

EUT Information

Report NO :	420106
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

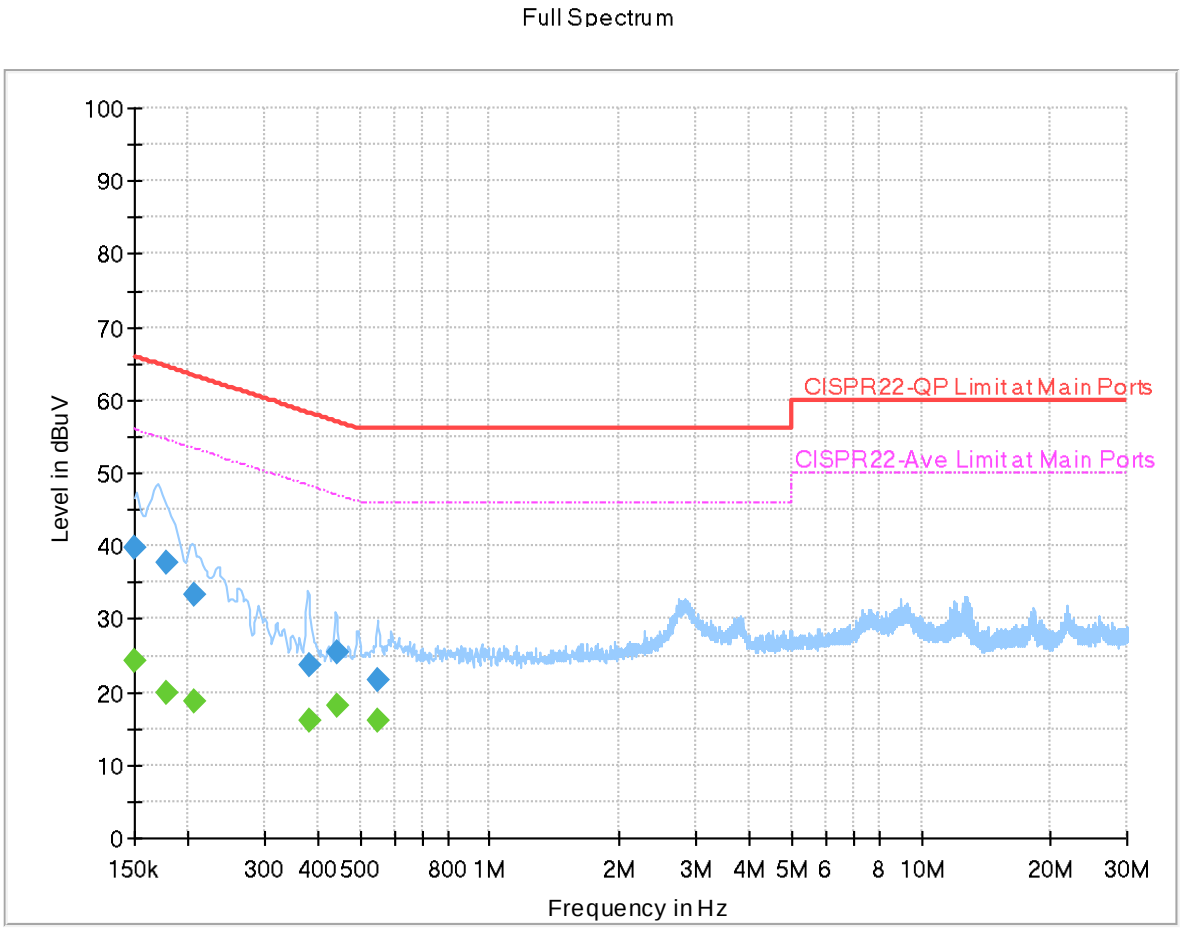


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.151755	---	25.00	55.90	30.90	L1	OFF	19.9
0.151755	40.14	---	65.90	25.76	L1	OFF	19.9
0.183750	---	19.19	54.31	35.12	L1	OFF	19.9
0.183750	35.64	---	64.31	28.67	L1	OFF	19.9
0.379680	---	16.90	48.29	31.39	L1	OFF	19.9
0.379680	27.52	---	58.29	30.77	L1	OFF	19.9
0.440070	---	17.87	47.06	29.19	L1	OFF	19.9
0.440070	25.27	---	57.06	31.79	L1	OFF	19.9
0.496050	---	15.46	46.07	30.61	L1	OFF	19.9
0.496050	21.38	---	56.07	34.69	L1	OFF	19.9
0.547440	---	15.76	46.00	30.24	L1	OFF	19.9
0.547440	21.63	---	56.00	34.37	L1	OFF	19.9

EUT Information

Report NO :	420106
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	24.17	56.00	31.83	N	OFF	19.9
0.150000	39.79	---	66.00	26.21	N	OFF	19.9
0.177000	---	19.81	54.63	34.82	N	OFF	19.9
0.177000	37.82	---	64.63	26.81	N	OFF	19.9
0.207240	---	18.73	53.32	34.59	N	OFF	19.9
0.207240	33.41	---	63.32	29.91	N	OFF	19.9
0.383640	---	16.17	48.20	32.03	N	OFF	19.9
0.383640	23.80	---	58.20	34.40	N	OFF	19.9
0.440880	---	18.09	47.05	28.96	N	OFF	19.9
0.440880	25.46	---	57.05	31.59	N	OFF	19.9
0.552120	---	16.12	46.00	29.88	N	OFF	19.9
0.552120	21.67	---	56.00	34.33	N	OFF	19.9

Appendix B. Radiated Spurious Emission

Test Engineer :	Bill Chang, Gary Guo and Steven Wu	Temperature :	18.2~20.2°C
		Relative Humidity :	54.2~56.1%

UNII 4 - 5600~5950MHz

WIFI 802.11a (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.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 169 5845MHz		5647.495	56.3	-11.9	68.2	40.7	33.09	11.89	29.38	353	204	P	H
		5650.15	55.44	-12.87	68.31	39.83	33.1	11.89	29.38	353	204	P	H
		5707.38	55.69	-51.58	107.27	39.7	33.44	11.94	29.39	353	204	P	H
		5723.9	55.14	-64.55	119.69	39.04	33.54	11.95	29.39	353	204	P	H
	*	5845	103.48	-	-	86.79	33.99	12.12	29.42	353	204	P	H
	*	5845	96.08	-	-	79.39	33.99	12.12	29.42	353	204	A	H
		5913.5	57.44	-39.18	96.62	40.38	34.2	12.29	29.43	353	204	P	H
		5929	56.77	-31.43	88.2	39.68	34.2	12.33	29.44	353	204	P	H
		5896	47.82	-41.64	89.46	30.82	34.18	12.25	29.43	353	204	A	H
		5956.75	47.85	-20.35	68.2	30.73	34.17	12.39	29.44	353	204	A	H
		5646.61	54.99	-13.21	68.2	39.39	33.09	11.89	29.38	101	235	P	V
		5681.125	55	-36.27	91.27	39.19	33.29	11.91	29.39	101	235	P	V
		5713.28	55.59	-53.33	108.92	39.56	33.48	11.94	29.39	101	235	P	V
		5723.9	54.5	-65.19	119.69	38.4	33.54	11.95	29.39	101	235	P	V
	*	5845	102.54	-	-	85.85	33.99	12.12	29.42	101	235	P	V
	*	5845	95.25	-	-	78.56	33.99	12.12	29.42	101	235	A	V
		5910.25	56.24	-42.76	99	39.19	34.2	12.28	29.43	101	235	P	V
		5957.25	55.99	-32.21	88.2	38.86	34.17	12.4	29.44	101	235	P	V
		5895.75	47.94	-41.71	89.65	30.95	34.18	12.24	29.43	101	235	A	V
		5959	47.88	-20.32	68.2	30.76	34.16	12.4	29.44	101	235	A	V

WIFI Ant. 1	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		5628.025	54.62	-13.58	68.2	39.12	33.01	11.87	29.38	307	207	P	H
		5676.7	55.62	-32.38	88	39.84	33.26	11.91	29.39	307	207	P	H
		5714.165	54.22	-54.95	109.17	38.19	33.48	11.94	29.39	307	207	P	H
		5722.425	53.45	-62.88	116.33	37.36	33.53	11.95	29.39	307	207	P	H
	*	5865	103.21	-	-	86.4	34.06	12.17	29.42	307	207	P	H
	*	5865	95.69	-	-	78.88	34.06	12.17	29.42	307	207	A	H
		5897.25	59.87	-48.68	108.55	42.86	34.19	12.25	29.43	307	207	P	H
		5940.75	57.1	-31.1	88.2	39.99	34.2	12.35	29.44	307	207	P	H
		5895.25	50.43	-39.59	90.02	33.44	34.18	12.24	29.43	307	207	A	H
		5952.75	47.78	-20.42	68.2	30.65	34.19	12.38	29.44	307	207	A	H
		5630.975	55.28	-12.92	68.2	39.77	33.02	11.87	29.38	100	233	P	V
		5689.68	55.6	-41.99	97.59	39.73	33.34	11.92	29.39	100	233	P	V
		5700.89	54.35	-51.1	105.45	38.4	33.41	11.93	29.39	100	233	P	V
		5721.245	54.97	-58.67	113.64	38.88	33.53	11.95	29.39	100	233	P	V
	*	5865	102.63	-	-	85.82	34.06	12.17	29.42	100	233	P	V
	*	5865	95.3	-	-	78.49	34.06	12.17	29.42	100	233	A	V
		5895.25	58.09	-51.93	110.02	41.1	34.18	12.24	29.43	100	233	P	V
		5946.5	56.65	-31.55	88.2	39.52	34.2	12.37	29.44	100	233	P	V
		5895.75	50.23	-39.42	89.65	33.24	34.18	12.24	29.43	100	233	A	V
		5929	47.78	-20.42	68.2	30.69	34.2	12.33	29.44	100	233	A	V

WIFI Ant. 1	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		5602.36	55.22	-12.98	68.2	39.83	32.91	11.85	29.37	346	207	P	H
		5665.49	53.86	-25.84	79.7	38.15	33.19	11.9	29.38	346	207	P	H
		5711.805	55.04	-53.47	108.51	39.02	33.47	11.94	29.39	346	207	P	H
		5722.425	53.67	-62.66	116.33	37.58	33.53	11.95	29.39	346	207	P	H
	*	5885	103.55	-	-	86.62	34.14	12.22	29.43	346	207	P	H
	*	5885	95.96	-	-	79.03	34.14	12.22	29.43	346	207	A	H
		5895	86.2	-24	110.2	69.21	34.18	12.24	29.43	346	207	P	H
		5941.25	57.31	-30.89	88.2	40.19	34.2	12.36	29.44	346	207	P	H
		5895	73.51	-16.69	90.2	56.52	34.18	12.24	29.43	346	207	A	H
		5926	48.48	-19.72	68.2	31.4	34.2	12.32	29.44	346	207	A	H
		5619.765	54.6	-13.6	68.2	39.12	32.98	11.87	29.37	101	235	P	V
		5652.805	54.98	-15.3	70.28	39.35	33.12	11.89	29.38	101	235	P	V
		5714.46	54.63	-54.62	109.25	38.59	33.49	11.94	29.39	101	235	P	V
		5722.72	53.44	-63.56	117	37.34	33.54	11.95	29.39	101	235	P	V
	*	5885	102.17	-	-	85.24	34.14	12.22	29.43	101	235	P	V
	*	5885	95.31	-	-	78.38	34.14	12.22	29.43	101	235	A	V
		5895	83.45	-26.75	110.2	66.46	34.18	12.24	29.43	101	235	P	V
		5949.5	56.83	-31.37	88.2	39.69	34.2	12.38	29.44	101	235	P	V
		5895	71.65	-18.55	90.2	54.66	34.18	12.24	29.43	101	235	A	V
		5925.25	48.16	-20.04	68.2	31.08	34.2	12.32	29.44	101	235	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 4 - 5600~5950MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11690	47.41	-26.59	74	56.96	38.68	17.64	65.87	-	-	P	H
		17535	49.64	-18.56	68.2	53.94	38.91	22.09	65.3	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a													H
CH 169		11690	47.05	-26.95	74	56.6	38.68	17.64	65.87	-	-	P	V
5845MHz		17535	49.67	-18.53	68.2	53.97	38.91	22.09	65.3	-	-	P	V
													V
													V
													V
													V
													V
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													V
													V

WIFI Ant. 1	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)
		11730	47.55	-26.45	74	57.07	38.7	17.67	65.89	-	-	P	H
		17595	49.6	-18.6	68.2	53.66	39.09	22.11	65.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 173 5865MHz													H
		11730	47.05	-26.95	74	56.57	38.7	17.67	65.89	-	-	P	V
		17595	49.78	-18.42	68.2	53.84	39.09	22.11	65.26	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	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)
		11770	47.67	-26.33	74	57.18	38.7	17.7	65.91	-	-	P	H
		17655	49.69	-18.51	68.2	53.53	39.25	22.14	65.23	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 177 5885MHz													H
		11770	47.75	-26.25	74	57.26	38.7	17.7	65.91	-	-	P	V
		17655	49.49	-18.71	68.2	53.33	39.25	22.14	65.23	-	-	P	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.

UNII 4 - 5600~5950MHz

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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5625.37	54.61	-13.59	68.2	39.12	33	11.87	29.38	350	205	P	H
		5679.65	55.02	-35.16	90.18	39.22	33.28	11.91	29.39	350	205	P	H
		5714.165	55.44	-53.73	109.17	39.41	33.48	11.94	29.39	350	205	P	H
		5724.785	53.3	-68.41	121.71	37.19	33.55	11.95	29.39	350	205	P	H
	*	5845	103.2	-	-	86.51	33.99	12.12	29.42	350	205	P	H
	*	5845	95.96	-	-	79.27	33.99	12.12	29.42	350	205	A	H
		5905	58.7	-44.15	102.85	41.66	34.2	12.27	29.43	350	205	P	H
		5930.25	56.59	-31.61	88.2	39.5	34.2	12.33	29.44	350	205	P	H
802.11n		5907	47.72	-33.67	81.39	30.68	34.2	12.27	29.43	350	205	A	H
HT20		5935.75	47.88	-20.32	68.2	30.78	34.2	12.34	29.44	350	205	A	H
CH 169		5645.43	55.32	-12.88	68.2	39.73	33.08	11.89	29.38	100	237	P	V
5845MHz		5672.275	54.89	-29.83	84.72	39.13	33.23	11.91	29.38	100	237	P	V
		5718.59	55.05	-55.36	110.41	38.99	33.51	11.94	29.39	100	237	P	V
		5725.08	53.98	-80.22	134.2	37.88	33.55	11.95	29.4	100	237	P	V
	*	5845	102.32	-	-	85.63	33.99	12.12	29.42	100	237	P	V
	*	5845	94.81	-	-	78.12	33.99	12.12	29.42	100	237	A	V
		5896.75	56.18	-52.73	108.91	39.17	34.19	12.25	29.43	100	237	P	V
		5934.75	56.09	-32.11	88.2	38.99	34.2	12.34	29.44	100	237	P	V
		5914.75	47.63	-28.07	75.7	30.57	34.2	12.29	29.43	100	237	A	V
		5951	47.76	-20.44	68.2	30.62	34.2	12.38	29.44	100	237	A	V

WIFI Ant. 1	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		5617.405	55.79	-12.41	68.2	40.33	32.97	11.86	29.37	346	206	P	H
		5677.88	54.18	-34.69	88.87	38.39	33.27	11.91	29.39	346	206	P	H
		5717.705	54.16	-56	110.16	38.1	33.51	11.94	29.39	346	206	P	H
		5724.195	54.57	-65.79	120.36	38.46	33.55	11.95	29.39	346	206	P	H
	*	5885	103.02	-	-	86.09	34.14	12.22	29.43	346	206	P	H
	*	5885	95.63	-	-	78.7	34.14	12.22	29.43	346	206	A	H
		5895	88.03	-22.17	110.2	71.04	34.18	12.24	29.43	346	206	P	H
		5952	57.74	-30.46	88.2	40.61	34.19	12.38	29.44	346	206	P	H
		5895	75.86	-14.34	90.2	58.87	34.18	12.24	29.43	346	206	A	H
		5925.25	48.23	-19.97	68.2	31.15	34.2	12.32	29.44	346	206	A	H
		5642.185	56.25	-11.95	68.2	40.68	33.07	11.88	29.38	101	238	P	V
		5658.705	53.84	-20.83	74.67	38.17	33.15	11.9	29.38	101	238	P	V
		5719.77	54.18	-56.56	110.74	38.1	33.52	11.95	29.39	101	238	P	V
		5720.655	54.09	-58.2	112.29	38.01	33.52	11.95	29.39	101	238	P	V
	*	5885	101.54	-	-	84.61	34.14	12.22	29.43	101	238	P	V
	*	5885	94.68	-	-	77.75	34.14	12.22	29.43	101	238	A	V
		5895	81.75	-28.45	110.2	64.76	34.18	12.24	29.43	101	238	P	V
		5925.5	56.9	-31.3	88.2	39.82	34.2	12.32	29.44	101	238	P	V
		5895	74.87	-15.33	90.2	57.88	34.18	12.24	29.43	101	238	A	V
		5925.25	48.17	-20.03	68.2	31.09	34.2	12.32	29.44	101	238	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 4 - 5600~5950MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11730	46.82	-27.18	74	56.34	38.7	17.67	65.89	-	-	P	H
		17595	48.59	-19.61	68.2	52.65	39.09	22.11	65.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 173		11730	47.69	-26.31	74	57.21	38.7	17.67	65.89	-	-	P	V
5865MHz		17595	49.79	-18.41	68.2	53.85	39.09	22.11	65.26	-	-	P	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.

UNII 4 - 5600~5950MHz

WIFI 802.11ac VHT20 (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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5633.04	54.41	-13.79	68.2	38.88	33.03	11.88	29.38	351	204	P	H
		5698.825	55.35	-48.98	104.33	39.42	33.39	11.93	29.39	351	204	P	H
		5718.885	55.07	-55.42	110.49	39	33.51	11.95	29.39	351	204	P	H
		5723.605	53.85	-65.17	119.02	37.75	33.54	11.95	29.39	351	204	P	H
	*	5845	102.98	-	-	86.29	33.99	12.12	29.42	351	204	P	H
	*	5845	95.7	-	-	79.01	33.99	12.12	29.42	351	204	A	H
		5912.75	56.03	-41.14	97.17	38.97	34.2	12.29	29.43	351	204	P	H
		5937	56.87	-31.33	88.2	39.76	34.2	12.35	29.44	351	204	P	H
802.11ac		5912.5	47.65	-29.7	77.35	30.59	34.2	12.29	29.43	351	204	A	H
VHT20		5940.75	47.73	-20.47	68.2	30.62	34.2	12.35	29.44	351	204	A	H
CH 169		5640.12	54.81	-13.39	68.2	39.25	33.06	11.88	29.38	101	237	P	V
5845MHz		5657.525	54.49	-19.3	73.79	38.82	33.15	11.9	29.38	101	237	P	V
		5714.755	53.64	-55.69	109.33	37.6	33.49	11.94	29.39	101	237	P	V
		5724.785	54.57	-67.14	121.71	38.46	33.55	11.95	29.39	101	237	P	V
	*	5845	102.01	-	-	85.32	33.99	12.12	29.42	101	237	P	V
	*	5845	94.86	-	-	78.17	33.99	12.12	29.42	101	237	A	V
		5897	56.31	-52.42	108.73	39.3	34.19	12.25	29.43	101	237	P	V
		5990.75	57.41	-30.79	88.2	40.34	34.04	12.48	29.45	101	237	P	V
		5907	47.62	-33.77	81.39	30.58	34.2	12.27	29.43	101	237	A	V
		5931.25	47.68	-20.52	68.2	30.59	34.2	12.33	29.44	101	237	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5628.32	53.56	-14.64	68.2	38.06	33.01	11.87	29.38	365	202	P	H
		5693.81	53.78	-46.86	100.64	37.88	33.36	11.93	29.39	365	202	P	H
		5714.165	54.43	-54.74	109.17	38.4	33.48	11.94	29.39	365	202	P	H
		5721.245	53.63	-60.01	113.64	37.54	33.53	11.95	29.39	365	202	P	H
	*	5885	103.05	-	-	86.12	34.14	12.22	29.43	365	202	P	H
	*	5885	95.43	-	-	78.5	34.14	12.22	29.43	365	202	A	H
		5895	85.02	-25.18	110.2	68.03	34.18	12.24	29.43	365	202	P	H
		5930.25	56.56	-31.64	88.2	39.47	34.2	12.33	29.44	365	202	P	H
802.11ac		5895	76.14	-14.06	90.2	59.15	34.18	12.24	29.43	365	202	A	H
VHT20		5925	48.26	-19.94	68.2	31.18	34.2	12.32	29.44	365	202	A	H
CH 177		5635.105	54.52	-13.68	68.2	38.98	33.04	11.88	29.38	101	236	P	V
5885MHz		5693.81	54.41	-46.23	100.64	38.51	33.36	11.93	29.39	101	236	P	V
		5720.065	55.06	-55.89	110.95	38.98	33.52	11.95	29.39	101	236	P	V
		5720.065	55.06	-55.89	110.95	38.98	33.52	11.95	29.39	101	236	P	V
	*	5885	102.35	-	-	85.42	34.14	12.22	29.43	101	236	P	V
	*	5885	95.03	-	-	78.1	34.14	12.22	29.43	101	236	A	V
		5895	84.92	-25.28	110.2	67.93	34.18	12.24	29.43	101	236	P	V
		5990.25	56.42	-31.78	88.2	39.35	34.04	12.48	29.45	101	236	P	V
		5895	75.09	-15.11	90.2	58.1	34.18	12.24	29.43	101	236	A	V
		5925	48.49	-19.71	68.2	31.41	34.2	12.32	29.44	101	236	A	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

UNII 4 - 5600~5950MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11730	47.28	-26.72	74	56.8	38.7	17.67	65.89	-	-	P	H
		17595	49.58	-18.62	68.2	53.64	39.09	22.11	65.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT20													H
CH 173		11730	47.25	-26.75	74	56.77	38.7	17.67	65.89	-	-	P	V
5865MHz		17595	49.46	-18.74	68.2	53.52	39.09	22.11	65.26	-	-	P	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.

UNII 4 - 5600~5950MHz

WIFI 802.11ac VHT40 (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.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5637.76	54.42	-13.78	68.2	38.87	33.05	11.88	29.38	351	205	P	H
		5674.34	55.03	-31.22	86.25	39.25	33.25	11.91	29.38	351	205	P	H
		5715.64	54.36	-55.22	109.58	38.32	33.49	11.94	29.39	351	205	P	H
		5721.835	54.39	-60.59	114.98	38.3	33.53	11.95	29.39	351	205	P	H
	*	5835	99.55	-	-	82.9	33.97	12.1	29.42	351	205	P	H
	*	5835	92.01	-	-	75.36	33.97	12.1	29.42	351	205	A	H
		5911.75	55.72	-42.18	97.9	38.67	34.2	12.28	29.43	351	205	P	H
		5930.5	56.23	-31.97	88.2	39.14	34.2	12.33	29.44	351	205	P	H
802.11ac		5895.5	48.24	-41.59	89.83	31.25	34.18	12.24	29.43	351	205	A	H
VHT40		5939.5	47.92	-20.28	68.2	30.81	34.2	12.35	29.44	351	205	A	H
CH 167		5616.225	54.01	-14.19	68.2	38.56	32.96	11.86	29.37	100	236	P	V
5835MHz		5695.285	56.57	-45.15	101.72	40.66	33.37	11.93	29.39	100	236	P	V
		5718.885	56.68	-53.81	110.49	40.61	33.51	11.95	29.39	100	236	P	V
		5724.195	55.14	-65.22	120.36	39.03	33.55	11.95	29.39	100	236	P	V
	*	5835	98.86	-	-	82.21	33.97	12.1	29.42	100	236	P	V
	*	5835	91.35	-	-	74.7	33.97	12.1	29.42	100	236	A	V
		5895	57.17	-53.03	110.2	40.18	34.18	12.24	29.43	100	236	P	V
		5930.75	57.23	-30.97	88.2	40.14	34.2	12.33	29.44	100	236	P	V
		5900	48.25	-38.28	86.53	31.22	34.2	12.26	29.43	100	236	A	V
		5970.75	47.91	-20.29	68.2	30.8	34.12	12.43	29.44	100	236	A	V

WIFI Ant. 1	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)
802.11ac VHT40 CH 175 5875MHz		5649.265	54.52	-13.68	68.2	38.91	33.1	11.89	29.38	360	204	P	H
		5692.63	54.48	-45.29	99.77	38.59	33.36	11.92	29.39	360	204	P	H
		5712.985	53.75	-55.09	108.84	37.72	33.48	11.94	29.39	360	204	P	H
		5722.13	54.44	-61.22	115.66	38.35	33.53	11.95	29.39	360	204	P	H
	*	5875	99.36	-	-	82.5	34.1	12.19	29.43	360	204	P	H
	*	5875	91.72	-	-	74.86	34.1	12.19	29.43	360	204	A	H
		5895	72.53	-37.67	110.2	55.54	34.18	12.24	29.43	360	204	P	H
		5926.5	60.81	-27.39	88.2	43.73	34.2	12.32	29.44	360	204	P	H
		5895	62.41	-27.79	90.2	45.42	34.18	12.24	29.43	360	204	A	H
		5925.25	50.73	-17.47	68.2	33.65	34.2	12.32	29.44	360	204	A	H
		5615.635	54.45	-13.75	68.2	39	32.96	11.86	29.37	106	236	P	V
		5674.635	55.27	-31.2	86.47	39.49	33.25	11.91	29.38	106	236	P	V
		5716.525	54.63	-55.2	109.83	38.58	33.5	11.94	29.39	106	236	P	V
		5720.95	53.71	-59.26	112.97	37.62	33.53	11.95	29.39	106	236	P	V
	*	5875	98.41	-	-	81.55	34.1	12.19	29.43	106	236	P	V
	*	5875	90.89	-	-	74.03	34.1	12.19	29.43	106	236	A	V
		5895.25	72.49	-37.53	110.02	55.5	34.18	12.24	29.43	106	236	P	V
		5930	58.94	-29.26	88.2	41.85	34.2	12.33	29.44	106	236	P	V
		5895	61.88	-28.32	90.2	44.89	34.18	12.24	29.43	106	236	A	V
		5925.25	50.38	-17.82	68.2	33.3	34.2	12.32	29.44	106	236	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 4 - 5600~5950MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11670	47.18	-26.82	74	56.78	38.64	17.62	65.86	-	-	**P**	**H**
		17505	48.85	-19.35	68.2	53.37	38.73	22.07	65.32	-	-	**P**	**H**
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 167		11670	46.71	-27.29	74	56.31	38.64	17.62	65.86	-	-	**P**	V
5835MHz		17505	49.06	-19.14	68.2	53.58	38.73	22.07	65.32	-	-	**P**	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	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)
		11750	47.39	-26.61	74	56.9	38.7	17.69	65.9	-	-	**P**	**H**
		17625	49.44	-18.76	68.2	53.4	39.15	22.13	65.24	-	-	**P**	**H**
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 175		11750	46.89	-27.11	74	56.4	38.7	17.69	65.9	-	-	**P**	V
5875MHz		17625	49.24	-18.96	68.2	53.2	39.15	22.13	65.24	-	-	**P**	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.

UNII 4 - 5600~5950MHz

WIFI 802.11ac VHT80 (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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5604.72	53.93	-14.27	68.2	38.53	32.92	11.85	29.37	350	202	P	H
		5669.915	55.19	-27.79	82.98	39.44	33.22	11.91	29.38	350	202	P	H
		5719.475	54.61	-56.04	110.65	38.53	33.52	11.95	29.39	350	202	P	H
		5722.72	54.84	-62.16	117	38.74	33.54	11.95	29.39	350	202	P	H
	*	5855	95.15	-	-	78.41	34.02	12.14	29.42	350	202	P	H
	*	5855	87.81	-	-	71.07	34.02	12.14	29.42	350	202	A	H
		5895	71.14	-39.06	110.2	54.15	34.18	12.24	29.43	350	202	P	H
		5926.25	59.23	-28.97	88.2	42.15	34.2	12.32	29.44	350	202	P	H
802.11ac		5895	59.48	-30.72	90.2	42.49	34.18	12.24	29.43	350	202	A	H
VHT80		5925	50.71	-17.49	68.2	33.63	34.2	12.32	29.44	350	202	A	H
CH 171		5639.235	54.43	-13.77	68.2	38.87	33.06	11.88	29.38	100	235	P	V
5855MHz		5672.275	55.76	-28.96	84.72	40	33.23	11.91	29.38	100	235	P	V
		5704.135	54.9	-51.46	106.36	38.94	33.42	11.93	29.39	100	235	P	V
		5721.54	54.58	-59.73	114.31	38.49	33.53	11.95	29.39	100	235	P	V
	*	5855	94.21	-	-	77.47	34.02	12.14	29.42	100	235	P	V
	*	5855	86.98	-	-	70.24	34.02	12.14	29.42	100	235	A	V
		5895	68.76	-41.44	110.2	51.77	34.18	12.24	29.43	100	235	P	V
		5932.75	60.96	-27.24	88.2	43.86	34.2	12.34	29.44	100	235	P	V
		5895	59.4	-30.8	90.2	42.41	34.18	12.24	29.43	100	235	A	V
		5925.5	49.85	-18.35	68.2	32.77	34.2	12.32	29.44	100	235	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 4 - 5600~5950MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11710	47.3	-26.7	74	56.83	38.7	17.65	65.88	-	-	P	H
		17565	49.86	-18.34	68.2	54.01	39.03	22.1	65.28	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 171		11710	46.56	-27.44	74	56.09	38.7	17.65	65.88	-	-	P	V
5855MHz		17565	48.9	-19.3	68.2	53.05	39.03	22.1	65.28	-	-	P	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.

UNII 4 - 5600~5950MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5605.605	55.99	-12.21	68.2	40.59	32.92	11.85	29.37	350	204	P	H
		5660.18	55.09	-20.67	75.76	39.41	33.16	11.9	29.38	350	204	P	H
		5707.97	55.63	-51.8	107.43	39.63	33.45	11.94	29.39	350	204	P	H
		5723.31	54.53	-63.82	118.35	38.43	33.54	11.95	29.39	350	204	P	H
	*	5845	103.82	-	-	87.13	33.99	12.12	29.42	350	204	P	H
	*	5845	95.46	-	-	78.77	33.99	12.12	29.42	350	204	A	H
		5901.25	56.73	-48.88	105.61	39.7	34.2	12.26	29.43	350	204	P	H
		5962.5	57.52	-30.68	88.2	40.4	34.15	12.41	29.44	350	204	P	H
802.11ax		5897	47.54	-41.19	88.73	30.53	34.19	12.25	29.43	350	204	A	H
HE20 Full		5947.75	47.57	-20.63	68.2	30.44	34.2	12.37	29.44	350	204	A	H
CH 169		5631.86	54.8	-13.4	68.2	39.27	33.03	11.88	29.38	100	240	P	V
5845MHz		5682.895	54.3	-38.28	92.58	38.47	33.3	11.92	29.39	100	240	P	V
		5703.545	54.26	-51.93	106.19	38.3	33.42	11.93	29.39	100	240	P	V
		5724.195	54.47	-65.89	120.36	38.36	33.55	11.95	29.39	100	240	P	V
	*	5845	102.54	-	-	85.85	33.99	12.12	29.42	100	240	P	V
	*	5845	94.46	-	-	77.77	33.99	12.12	29.42	100	240	A	V
		5895.5	56.13	-53.7	109.83	39.14	34.18	12.24	29.43	100	240	P	V
		5982.5	56.67	-31.53	88.2	39.59	34.07	12.46	29.45	100	240	P	V
		5922.5	47.51	-22.52	70.03	30.43	34.2	12.31	29.43	100	240	A	V
		5953.75	47.41	-20.79	68.2	30.27	34.19	12.39	29.44	100	240	A	V

WIFI Ant. 1	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)
		5647.79	54.22	-13.98	68.2	38.62	33.09	11.89	29.38	299	200	P	H
		5652.805	55.22	-15.06	70.28	39.59	33.12	11.89	29.38	299	200	P	H
		5702.66	54.39	-51.56	105.95	38.43	33.42	11.93	29.39	299	200	P	H
		5722.13	54.12	-61.54	115.66	38.03	33.53	11.95	29.39	299	200	P	H
	*	5865	103.85	-	-	87.04	34.06	12.17	29.42	299	200	P	H
	*	5865	96.06	-	-	79.25	34.06	12.17	29.42	299	200	A	H
		5897.5	61.75	-46.61	108.36	44.74	34.19	12.25	29.43	299	200	P	H
		5929.75	56.9	-31.3	88.2	39.81	34.2	12.33	29.44	299	200	P	H
802.11ax		5895.25	51.19	-38.83	90.02	34.2	34.18	12.24	29.43	299	200	A	H
HE20 Full		5925	47.56	-20.64	68.2	30.48	34.2	12.32	29.44	299	200	A	H
CH 173		5618.585	55.42	-12.78	68.2	39.96	32.97	11.86	29.37	100	235	P	V
5865MHz		5676.995	56.81	-31.41	88.22	41.03	33.26	11.91	29.39	100	235	P	V
		5719.475	55.82	-54.83	110.65	39.74	33.52	11.95	29.39	100	235	P	V
		5721.245	55.61	-58.03	113.64	39.52	33.53	11.95	29.39	100	235	P	V
	*	5865	102.81	-	-	86	34.06	12.17	29.42	100	235	P	V
	*	5865	94.76	-	-	77.95	34.06	12.17	29.42	100	235	A	V
		5901.75	63.42	-41.82	105.24	46.39	34.2	12.26	29.43	100	235	P	V
		5955.75	56.75	-31.45	88.2	39.62	34.18	12.39	29.44	100	235	P	V
		5895	50.87	-39.33	90.2	33.88	34.18	12.24	29.43	100	235	A	V
		5927.5	47.58	-20.62	68.2	30.5	34.2	12.32	29.44	100	235	A	V

WIFI Ant. 1	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	55.98	-12.22	68.2	40.42	33.06	11.88	29.38	288	200	P	H
		5681.42	56.81	-34.68	91.49	40.99	33.29	11.92	29.39	288	200	P	H
		5715.05	55.63	-53.79	109.42	39.59	33.49	11.94	29.39	288	200	P	H
		5721.835	55	-59.98	114.98	38.91	33.53	11.95	29.39	288	200	P	H
	*	5885	104.32	-	-	87.39	34.14	12.22	29.43	288	200	P	H
	*	5885	96.68	-	-	79.75	34.14	12.22	29.43	288	200	A	H
		5895	96.29	-13.91	110.2	79.3	34.18	12.24	29.43	288	200	P	H
		5925.5	63.78	-24.42	88.2	46.7	34.2	12.32	29.44	288	200	P	H
802.11ax		5895	86.79	-3.41	90.2	69.8	34.18	12.24	29.43	288	200	A	H
HE20 Full		5925	48.92	-19.28	68.2	31.84	34.2	12.32	29.44	288	200	A	H
CH 177		5640.415	55.86	-12.34	68.2	40.3	33.06	11.88	29.38	100	234	P	V
5885MHz		5694.695	56.75	-44.54	101.29	40.84	33.37	11.93	29.39	100	234	P	V
		5718.59	56.91	-53.5	110.41	40.85	33.51	11.94	29.39	100	234	P	V
		5720.95	55.44	-57.53	112.97	39.35	33.53	11.95	29.39	100	234	P	V
	*	5885	104	-	-	87.07	34.14	12.22	29.43	100	234	P	V
	*	5885	95.92	-	-	78.99	34.14	12.22	29.43	100	234	A	V
		5895	93.2	-17	110.2	76.21	34.18	12.24	29.43	100	234	P	V
		5925.75	61.17	-27.03	88.2	44.09	34.2	12.32	29.44	100	234	P	V
		5895	86.08	-4.12	90.2	69.09	34.18	12.24	29.43	100	234	A	V
		5925.25	48.77	-19.43	68.2	31.69	34.2	12.32	29.44	100	234	A	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

UNII 4 - 5600~5950MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11690	47.29	-26.71	74	56.84	38.68	17.64	65.87	-	-	P	H
		17535	49.59	-18.61	68.2	53.89	38.91	22.09	65.3	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 169		11690	47.09	-26.91	74	56.64	38.68	17.64	65.87	-	-	P	V
5845MHz		17535	49.62	-18.58	68.2	53.92	38.91	22.09	65.3	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	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)
		11730	47.77	-26.23	74	57.29	38.7	17.67	65.89	-	-	P	H
		17595	48.93	-19.27	68.2	52.99	39.09	22.11	65.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 173		11730	47.74	-26.26	74	57.26	38.7	17.67	65.89	-	-	P	V
5865MHz		17595	49.54	-18.66	68.2	53.6	39.09	22.11	65.26	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	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)
		11770	46.43	-27.57	74	55.94	38.7	17.7	65.91	-	-	P	H
		17655	49.53	-18.67	68.2	53.37	39.25	22.14	65.23	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 177		11770	46.5	-27.5	74	56.01	38.7	17.7	65.91	-	-	P	V
5885MHz		17655	50.17	-18.03	68.2	54.01	39.25	22.14	65.23	-	-	P	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.

UNII 4 - 5600~5950MHz

WIFI 802.11ax HE20_Partial 6 (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.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 26/0 CH 169 5845MHz		5630.68	55.84	-12.36	68.2	40.33	33.02	11.87	29.38	351	204	P	H
		5677.88	56.22	-32.65	88.87	40.43	33.27	11.91	29.39	351	204	P	H
		5711.805	55.67	-52.84	108.51	39.65	33.47	11.94	29.39	351	204	P	H
		5721.54	55.16	-59.15	114.31	39.07	33.53	11.95	29.39	351	204	P	H
	*	5845	104.07	-	-	87.38	33.99	12.12	29.42	351	204	P	H
	*	5845	97.16	-	-	80.47	33.99	12.12	29.42	351	204	A	H
		5917.75	57.14	-36.37	93.51	40.07	34.2	12.3	29.43	351	204	P	H
		5940.5	57.12	-31.08	88.2	40.01	34.2	12.35	29.44	351	204	P	H
		5908.25	47.76	-32.71	80.47	30.71	34.2	12.28	29.43	351	204	A	H
		5963.5	47.83	-20.37	68.2	30.71	34.15	12.41	29.44	351	204	A	H
		5638.94	55.98	-12.22	68.2	40.42	33.06	11.88	29.38	100	235	P	V
		5678.47	56.21	-33.1	89.31	40.42	33.27	11.91	29.39	100	235	P	V
		5708.265	56.55	-50.97	107.52	40.55	33.45	11.94	29.39	100	235	P	V
		5722.425	56.65	-59.68	116.33	40.56	33.53	11.95	29.39	100	235	P	V
	*	5845	105.9	-	-	89.21	33.99	12.12	29.42	100	235	P	V
	*	5845	97.59	-	-	80.9	33.99	12.12	29.42	100	235	A	V
		5915	57.37	-38.15	95.52	40.31	34.2	12.29	29.43	100	235	P	V
		5941.5	58.31	-29.89	88.2	41.19	34.2	12.36	29.44	100	235	P	V
		5914	47.92	-28.33	76.25	30.86	34.2	12.29	29.43	100	235	A	V
		5951.5	48	-20.2	68.2	30.87	34.19	12.38	29.44	100	235	A	V

WIFI Ant. 1	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		5628.32	55.67	-12.53	68.2	40.17	33.01	11.87	29.38	292	198	P	H
		5686.14	56.63	-38.35	94.98	40.78	33.32	11.92	29.39	292	198	P	H
		5712.985	55.9	-52.94	108.84	39.87	33.48	11.94	29.39	292	198	P	H
		5724.195	55.74	-64.62	120.36	39.63	33.55	11.95	29.39	292	198	P	H
	*	5885	104.84	-	-	87.91	34.14	12.22	29.43	292	198	P	H
	*	5885	97.09	-	-	80.16	34.14	12.22	29.43	292	198	A	H
		5895	93.19	-17.01	110.2	76.2	34.18	12.24	29.43	292	198	P	H
		5988.25	58.31	-29.89	88.2	41.24	34.05	12.47	29.45	292	198	P	H
		5895	86.55	-3.65	90.2	69.56	34.18	12.24	29.43	292	198	A	H
		5934	48.01	-20.19	68.2	30.91	34.2	12.34	29.44	292	198	A	H
		5641.005	56.43	-11.77	68.2	40.87	33.06	11.88	29.38	100	224	P	V
		5668.145	55.97	-25.7	81.67	40.24	33.21	11.9	29.38	100	224	P	V
		5701.775	56.85	-48.85	105.7	40.9	33.41	11.93	29.39	100	224	P	V
		5721.245	55.12	-58.52	113.64	39.03	33.53	11.95	29.39	100	224	P	V
	*	5885	103.49	-	-	86.56	34.14	12.22	29.43	100	224	P	V
	*	5885	96.16	-	-	79.23	34.14	12.22	29.43	100	224	A	V
		5895	93.45	-16.75	110.2	76.46	34.18	12.24	29.43	100	224	P	V
		5936.5	57.46	-30.74	88.2	40.36	34.2	12.34	29.44	100	224	P	V
		5895	85.44	-4.76	90.2	68.45	34.18	12.24	29.43	100	224	A	V
		5948.75	47.97	-20.23	68.2	30.84	34.2	12.37	29.44	100	224	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 4 - 5600~5950MHz

WIFI 80211ax HE20_Partial 26 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11690	47.44	-26.56	74	56.99	38.68	17.64	65.87	-	-	P	H
		17535	48.99	-19.21	68.2	53.29	38.91	22.09	65.3	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20													H
Partial 26/0		11690	47.26	-26.74	74	56.81	38.68	17.64	65.87	-	-	P	V
CH 169		17535	48.73	-19.47	68.2	53.03	38.91	22.09	65.3	-	-	P	V
5845MHz													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	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)
		11730	46.81	-27.19	74	56.33	38.7	17.67	65.89	-	-	P	H
		17595	49.4	-18.8	68.2	53.46	39.09	22.11	65.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax HE20 Partial 26/4 CH 173 5865MHz													H
		11730	46.66	-27.34	74	56.18	38.7	17.67	65.89	-	-	P	V
		17595	48.98	-19.22	68.2	53.04	39.09	22.11	65.26	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	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		11770	46.34	-27.66	74	55.85	38.7	17.7	65.91	-	-	P	H
		17655	50.54	-17.66	68.2	54.38	39.25	22.14	65.23	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11770	46.8	-27.2	74	56.31	38.7	17.7	65.91	-	-	P	V
		17655	49.21	-18.99	68.2	53.05	39.25	22.14	65.23	-	-	P	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.

UNII 4 - 5600~5950MHz

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

WIFI Ant. 1	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 52/37 CH 169 5845MHz		5649.56	55.66	-12.54	68.2	40.05	33.1	11.89	29.38	353	206	P	H
		5689.09	56.8	-40.35	97.15	40.94	33.33	11.92	29.39	353	206	P	H
		5708.855	56.21	-51.47	107.68	40.21	33.45	11.94	29.39	353	206	P	H
		5722.13	55.33	-60.33	115.66	39.24	33.53	11.95	29.39	353	206	P	H
	*	5845	102.02	-	-	85.33	33.99	12.12	29.42	353	206	P	H
	*	5845	95.8	-	-	79.11	33.99	12.12	29.42	353	206	A	H
		5912	57.98	-39.74	97.72	40.93	34.2	12.28	29.43	353	206	P	H
		5927	58.17	-30.03	88.2	41.09	34.2	12.32	29.44	353	206	P	H
		5925	47.83	-20.37	68.2	30.75	34.2	12.32	29.44	353	206	A	H
		5943	47.99	-20.21	68.2	30.87	34.2	12.36	29.44	353	206	A	H
		5631.27	57.46	-10.74	68.2	41.93	33.03	11.88	29.38	100	235	P	V
		5658.41	56.28	-18.17	74.45	40.61	33.15	11.9	29.38	100	235	P	V
		5716.23	57.17	-52.58	109.75	41.12	33.5	11.94	29.39	100	235	P	V
		5722.13	56.01	-59.65	115.66	39.92	33.53	11.95	29.39	100	235	P	V
	*	5845	102.21	-	-	85.52	33.99	12.12	29.42	100	235	P	V
	*	5845	95.71	-	-	79.02	33.99	12.12	29.42	100	235	A	V
		5906.75	56.88	-44.69	101.57	39.84	34.2	12.27	29.43	100	235	P	V
		5925.5	57.38	-30.82	88.2	40.3	34.2	12.32	29.44	100	235	P	V
		5914.75	47.84	-27.86	75.7	30.78	34.2	12.29	29.43	100	235	A	V
		5955	47.86	-20.34	68.2	30.73	34.18	12.39	29.44	100	235	A	V

WIFI Ant. 1	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		5602.95	55.77	-12.43	68.2	40.38	32.91	11.85	29.37	295	197	P	H
		5673.75	57.02	-28.8	85.82	41.25	33.24	11.91	29.38	295	197	P	H
		5702.365	55.94	-49.92	105.86	39.99	33.41	11.93	29.39	295	197	P	H
		5723.605	55.02	-64	119.02	38.92	33.54	11.95	29.39	295	197	P	H
	*	5885	103.32	-	-	86.39	34.14	12.22	29.43	295	197	P	H
	*	5885	96.66	-	-	79.73	34.14	12.22	29.43	295	197	A	H
		5895	93.53	-16.67	110.2	76.54	34.18	12.24	29.43	295	197	P	H
		5960.25	57.49	-30.71	88.2	40.37	34.16	12.4	29.44	295	197	P	H
		5895	85.95	-4.25	90.2	68.96	34.18	12.24	29.43	295	197	A	H
		5944.5	48.11	-20.09	68.2	30.99	34.2	12.36	29.44	295	197	A	H
		5615.045	55.92	-12.28	68.2	40.47	32.96	11.86	29.37	100	225	P	V
		5685.55	56.04	-38.5	94.54	40.2	33.31	11.92	29.39	100	225	P	V
		5718	56.33	-53.91	110.24	40.27	33.51	11.94	29.39	100	225	P	V
		5721.54	55.43	-58.88	114.31	39.34	33.53	11.95	29.39	100	225	P	V
	*	5885	103.43	-	-	86.5	34.14	12.22	29.43	100	225	P	V
	*	5885	95.59	-	-	78.66	34.14	12.22	29.43	100	225	A	V
		5895	90.65	-19.55	110.2	73.66	34.18	12.24	29.43	100	225	P	V
		5931.25	56.35	-31.85	88.2	39.26	34.2	12.33	29.44	100	225	P	V
		5895	84.92	-5.28	90.2	67.93	34.18	12.24	29.43	100	225	A	V
		5935	48.14	-20.06	68.2	31.04	34.2	12.34	29.44	100	225	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 4 - 5600~5950MHz

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5628.32	56.02	-12.18	68.2	40.52	33.01	11.87	29.38	351	201	P	H
		5688.5	55.74	-40.98	96.72	39.88	33.33	11.92	29.39	351	201	P	H
		5707.38	56.1	-51.17	107.27	40.11	33.44	11.94	29.39	351	201	P	H
		5720.655	55.34	-56.95	112.29	39.26	33.52	11.95	29.39	351	201	P	H
	*	5845	103.6	-	-	86.91	33.99	12.12	29.42	351	201	P	H
	*	5845	95.4	-	-	78.71	33.99	12.12	29.42	351	201	A	H
		5914.25	57.55	-38.52	96.07	40.49	34.2	12.29	29.43	351	201	P	H
802.11ax		5928.5	57.2	-31	88.2	40.12	34.2	12.32	29.44	351	201	P	H
HE20		5923.75	47.91	-21.2	69.11	30.83	34.2	12.31	29.43	351	201	A	H
Partial		5948	47.93	-20.27	68.2	30.8	34.2	12.37	29.44	351	201	A	H
106/53		5634.22	55.98	-12.22	68.2	40.44	33.04	11.88	29.38	100	235	P	V
CH 169		5662.54	56.51	-21	77.51	40.81	33.18	11.9	29.38	100	235	P	V
5845MHz		5701.48	56.06	-49.56	105.62	40.11	33.41	11.93	29.39	100	235	P	V
		5722.13	56.2	-59.46	115.66	40.11	33.53	11.95	29.39	100	235	P	V
	*	5845	104.32	-	-	87.63	33.99	12.12	29.42	100	235	P	V
	*	5845	95.02	-	-	78.33	33.99	12.12	29.42	100	235	A	V
		5920.25	56.4	-35.28	91.68	39.33	34.2	12.3	29.43	100	235	P	V
		5942	57.19	-31.01	88.2	40.07	34.2	12.36	29.44	100	235	P	V
		5918.5	47.79	-25.17	72.96	30.72	34.2	12.3	29.43	100	235	A	V
		5953.5	47.87	-20.33	68.2	30.73	34.19	12.39	29.44	100	235	A	V

WIFI Ant. 1	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		5620.355	56.09	-12.11	68.2	40.61	32.98	11.87	29.37	294	201	P	H
		5671.98	55.54	-28.97	84.51	39.78	33.23	11.91	29.38	294	201	P	H
		5718.59	55.66	-54.75	110.41	39.6	33.51	11.94	29.39	294	201	P	H
		5722.13	55.58	-60.08	115.66	39.49	33.53	11.95	29.39	294	201	P	H
	*	5885	105.42	-	-	88.49	34.14	12.22	29.43	294	201	P	H
	*	5885	96.75	-	-	79.82	34.14	12.22	29.43	294	201	A	H
		5895	96.77	-13.43	110.2	79.78	34.18	12.24	29.43	294	201	P	H
		5992.5	57.5	-30.7	88.2	40.44	34.03	12.48	29.45	294	201	P	H
		5895	87.16	-3.04	90.2	70.17	34.18	12.24	29.43	294	201	A	H
		5947.25	48.31	-19.89	68.2	31.18	34.2	12.37	29.44	294	201	A	H
		5611.8	55.86	-12.34	68.2	40.42	32.95	11.86	29.37	100	222	P	V
		5673.16	56.32	-29.06	85.38	40.55	33.24	11.91	29.38	100	222	P	V
		5701.775	56.18	-49.52	105.7	40.23	33.41	11.93	29.39	100	222	P	V
		5725.08	56.03	-78.17	134.2	39.93	33.55	11.95	29.4	100	222	P	V
	*	5885	104.05	-	-	87.12	34.14	12.22	29.43	100	222	P	V
	*	5885	95.79	-	-	78.86	34.14	12.22	29.43	100	222	A	V
		5895	94.11	-16.09	110.2	77.12	34.18	12.24	29.43	100	222	P	V
		5936.25	58.22	-29.98	88.2	41.12	34.2	12.34	29.44	100	222	P	V
		5895	86.04	-4.16	90.2	69.05	34.18	12.24	29.43	100	222	A	V
		5935.25	48.28	-19.92	68.2	31.18	34.2	12.34	29.44	100	222	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 4 - 5600~5950MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 1	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)
		5617.7	55.44	-12.76	68.2	39.98	32.97	11.86	29.37	303	199	P	H
		5675.52	56.71	-30.42	87.13	40.94	33.25	11.91	29.39	303	199	P	H
		5717.41	56.15	-53.93	110.08	40.1	33.5	11.94	29.39	303	199	P	H
		5725.08	55.24	-78.96	134.2	39.14	33.55	11.95	29.4	303	199	P	H
	*	5835	101.81	-	-	85.16	33.97	12.1	29.42	303	199	P	H
	*	5835	92.41	-	-	75.76	33.97	12.1	29.42	303	199	A	H
		5895.25	57.8	-52.22	110.02	40.81	34.18	12.24	29.43	303	199	P	H
		5941.75	57.26	-30.94	88.2	40.14	34.2	12.36	29.44	303	199	P	H
802.11ax		5897	48.45	-40.28	88.73	31.44	34.19	12.25	29.43	303	199	A	H
HE40 Full		5935	48.2	-20	68.2	31.1	34.2	12.34	29.44	303	199	A	H
CH 167		5605.9	55.32	-12.88	68.2	39.92	32.92	11.85	29.37	100	216	P	V
5835MHz		5661.655	55.5	-21.35	76.85	39.81	33.17	11.9	29.38	100	216	P	V
		5718	56.21	-54.03	110.24	40.15	33.51	11.94	29.39	100	216	P	V
		5724.195	55.04	-65.32	120.36	38.93	33.55	11.95	29.39	100	216	P	V
	*	5835	99.92	-	-	83.27	33.97	12.1	29.42	100	216	P	V
	*	5835	91.46	-	-	74.81	33.97	12.1	29.42	100	216	A	V
		5901.75	57.92	-47.32	105.24	40.89	34.2	12.26	29.43	100	216	P	V
		5965	57.7	-30.5	88.2	40.59	34.14	12.41	29.44	100	216	P	V
		5902.25	48.32	-36.55	84.87	31.29	34.2	12.26	29.43	100	216	A	V
		5943.75	48.26	-19.94	68.2	31.14	34.2	12.36	29.44	100	216	A	V

WIFI Ant. 1	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)
		5602.655	55.42	-12.78	68.2	40.03	32.91	11.85	29.37	299	200	P	H
		5693.81	55.74	-44.9	100.64	39.84	33.36	11.93	29.39	299	200	P	H
		5719.18	55.55	-55.02	110.57	39.47	33.52	11.95	29.39	299	200	P	H
		5720.95	55.91	-57.06	112.97	39.82	33.53	11.95	29.39	299	200	P	H
	*	5875	99.82	-	-	82.96	34.1	12.19	29.43	299	200	P	H
	*	5875	92.49	-	-	75.63	34.1	12.19	29.43	299	200	A	H
		5895	79.94	-30.26	110.2	62.95	34.18	12.24	29.43	299	200	P	H
		5926	61.05	-27.15	88.2	43.97	34.2	12.32	29.44	299	200	P	H
802.11ax		5895	68.68	-21.52	90.2	51.69	34.18	12.24	29.43	299	200	A	H
HE40 Full		5925	50.47	-17.73	68.2	33.39	34.2	12.32	29.44	299	200	A	H
CH 175		5628.025	55.69	-12.51	68.2	40.19	33.01	11.87	29.38	104	218	P	V
5875MHz		5687.32	55.86	-39.99	95.85	40.01	33.32	11.92	29.39	104	218	P	V
		5712.395	55.54	-53.13	108.67	39.52	33.47	11.94	29.39	104	218	P	V
		5723.605	55.18	-63.84	119.02	39.08	33.54	11.95	29.39	104	218	P	V
	*	5875	102.24	-	-	85.38	34.1	12.19	29.43	104	218	P	V
	*	5875	91.53	-	-	74.67	34.1	12.19	29.43	104	218	A	V
		5895	78.6	-31.6	110.2	61.61	34.18	12.24	29.43	104	218	P	V
		5925	59.6	-28.6	88.2	42.52	34.2	12.32	29.44	104	218	P	V
		5895	67.8	-22.4	90.2	50.81	34.18	12.24	29.43	104	218	A	V
		5925.75	50.09	-18.11	68.2	33.01	34.2	12.32	29.44	104	218	A	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

UNII 4 - 5600~5950MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI Ant. 1	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)
		11670	47.27	-26.73	74	56.87	38.64	17.62	65.86	-	-	P	H
		17505	48.91	-19.29	68.2	53.43	38.73	22.07	65.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 167		11670	47	-27	74	56.6	38.64	17.62	65.86	-	-	P	V
5835MHz		17505	48.58	-19.62	68.2	53.1	38.73	22.07	65.32	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	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)
		11750	47.14	-26.86	74	56.65	38.7	17.69	65.9	-	-	P	H
		17625	49.68	-18.52	68.2	53.64	39.15	22.13	65.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 175		11750	47.03	-26.97	74	56.54	38.7	17.69	65.9	-	-	P	V
5875MHz		17625	49.24	-18.96	68.2	53.2	39.15	22.13	65.24	-	-	P	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.

UNII 4 - 5600~5950MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 1	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)
		5641.005	56.17	-12.03	68.2	40.61	33.06	11.88	29.38	276	198	P	H
		5656.345	56.06	-16.85	72.91	40.4	33.14	11.9	29.38	276	198	P	H
		5704.725	56.28	-50.24	106.52	40.31	33.43	11.93	29.39	276	198	P	H
		5721.835	55.09	-59.89	114.98	39	33.53	11.95	29.39	276	198	P	H
	*	5855	97.28	-	-	80.54	34.02	12.14	29.42	276	198	P	H
	*	5855	88.19	-	-	71.45	34.02	12.14	29.42	276	198	A	H
		5895	73.2	-37	110.2	56.21	34.18	12.24	29.43	276	198	P	H
		5925.75	59.3	-28.9	88.2	42.22	34.2	12.32	29.44	276	198	P	H
802.11ax		5895	63.65	-26.55	90.2	46.66	34.18	12.24	29.43	276	198	A	H
HE80 Full		5925	49.55	-18.65	68.2	32.47	34.2	12.32	29.44	276	198	A	H
CH 171		5631.86	56.1	-12.1	68.2	40.57	33.03	11.88	29.38	100	234	P	V
5855MHz		5651.625	56.04	-13.37	69.41	40.42	33.11	11.89	29.38	100	234	P	V
		5712.985	55.83	-53.01	108.84	39.8	33.48	11.94	29.39	100	234	P	V
		5724.195	56.87	-63.49	120.36	40.76	33.55	11.95	29.39	100	234	P	V
	*	5855	96.11	-	-	79.37	34.02	12.14	29.42	100	234	P	V
	*	5855	86.99	-	-	70.25	34.02	12.14	29.42	100	234	A	V
		5895	77.35	-32.85	110.2	60.36	34.18	12.24	29.43	100	234	P	V
		5942.25	61.72	-26.48	88.2	44.6	34.2	12.36	29.44	100	234	P	V
		5895	63.18	-27.02	90.2	46.19	34.18	12.24	29.43	100	234	A	V
		5925.5	49.23	-18.97	68.2	32.15	34.2	12.32	29.44	100	234	A	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

UNII 4 - 5600~5950MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI Ant. 1	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)
		11710	46.86	-27.14	74	56.39	38.7	17.65	65.88	-	-	P	H
		17565	49.37	-18.83	68.2	53.52	39.03	22.1	65.28	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 171		11710	47.5	-26.5	74	57.03	38.7	17.65	65.88	-	-	P	V
5855MHz		17565	48.77	-19.43	68.2	52.92	39.03	22.1	65.28	-	-	P	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

WIFI 802.11ax HE20_Partial 106 (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/54 SHF		39274	46.65	-27.35	74	58.84	44.86	-0.41	56.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39230	46.4	-27.6	74	58.49	45	-0.43	56.66	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission below 1GHz

WIFI 802.11ax HE20_Partial 106 (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/54 LF	1	31.62	21.83	-18.17	40	29.72	23.79	0.77	32.45	-	-	P	H
	2	104.25	26.79	-16.71	43.5	41.26	16.42	1.51	32.4	-	-	P	H
	3	215.22	22.31	-21.19	43.5	37.6	15.03	2.08	32.4	-	-	P	H
	4	430.2	23.87	-22.13	46	30.41	22.8	3.17	32.51	-	-	P	H
	5	557.6	27.12	-18.88	46	30.22	25.97	3.5	32.57	-	-	P	H
	6	894.3	34.85	-11.15	46	33.34	28.88	4.59	31.96	-	-	P	H
													H
													H
													H
													H
													H
													H
	1	30.27	21.87	-18.13	40	29.28	24.28	0.75	32.44	-	-	P	V
	2	184.71	22.62	-20.88	43.5	38.09	14.94	1.94	32.35	-	-	P	V
	3	264.09	19.59	-26.41	46	29.64	19.98	2.39	32.42	-	-	P	V
	4	505.8	25.12	-20.88	46	30.6	23.94	3.27	32.69	-	-	P	V
	5	681.5	28.15	-17.85	46	30.33	26.45	4.07	32.7	-	-	P	V
	6	948.2	33.36	-12.64	46	29.28	30.75	4.86	31.53	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.

Note symbol

*	**Fundamental Frequency** which can ax ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **Margin limit** line.
P/A	**P**eak or **A**v
H/V	**H**orizontal or **V**ertical

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 169 5845MHz		5650	55.45	-12.75	68.2	54.51	32.22	4.58	35.86	103	308	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 @ 5650MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 68.2(dBμV/m)

= -12.75 (dB)

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

Appendix D. Radiated Spurious Emission Plots

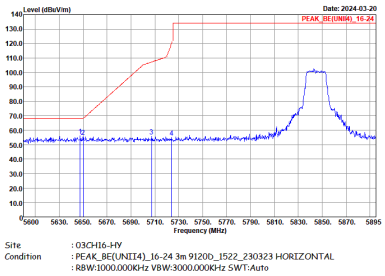
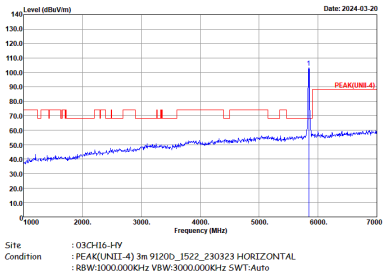
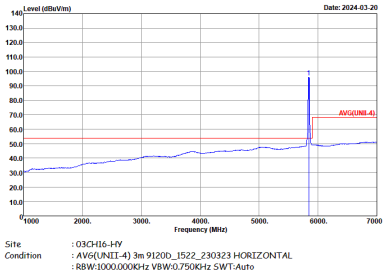
Test Engineer :	Bill Chang, Gary Guo and Steven Wu	**Temperature :**	18.2~20.2°C
		Relative Humidity :	54.2~56.1%

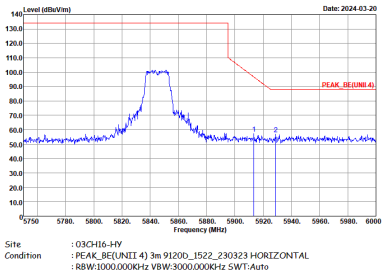
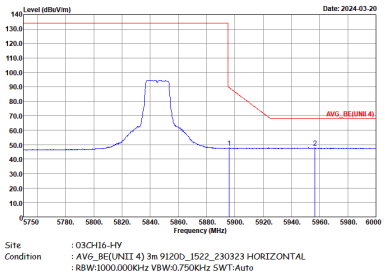
Note symbol

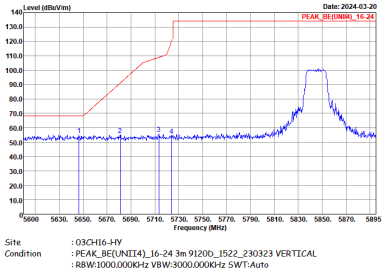
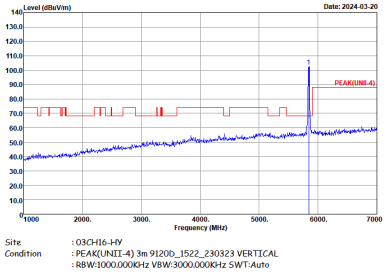
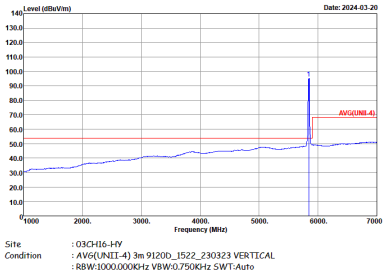
-L	**Low channel location**
-R	**High channel location**

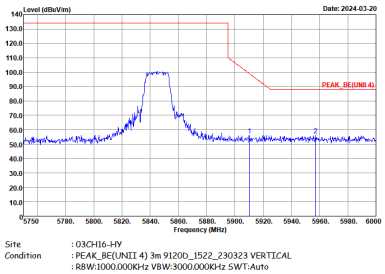
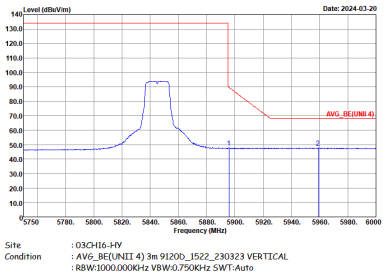
UNII 4 - 5600~5950MHz

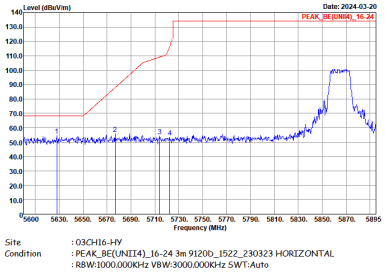
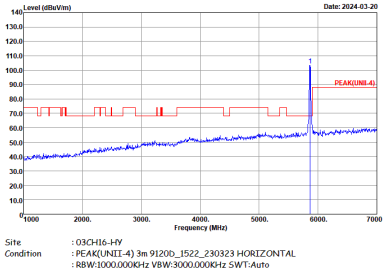
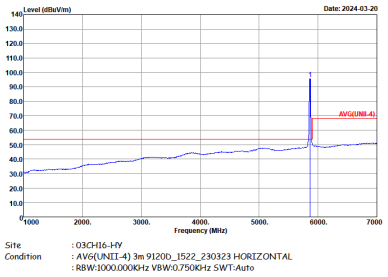
WIFI 802.11a (Band Edge @ 3m)

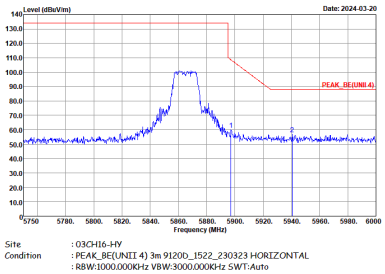
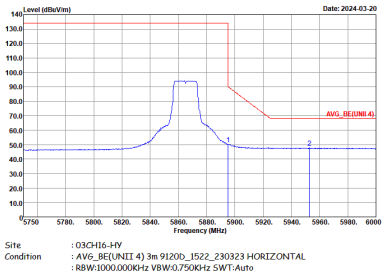
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

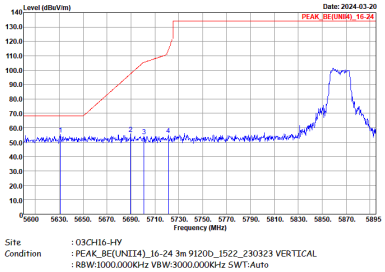
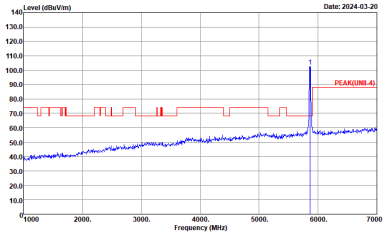
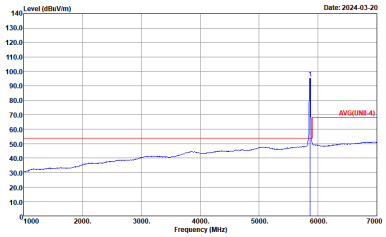
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz	
	Horizontal	Fundamental
Peak		Left blank
Avg		Left blank

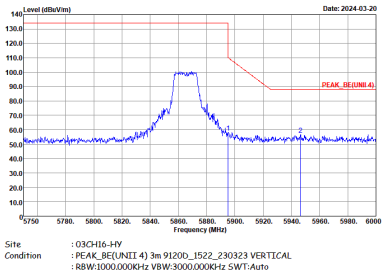
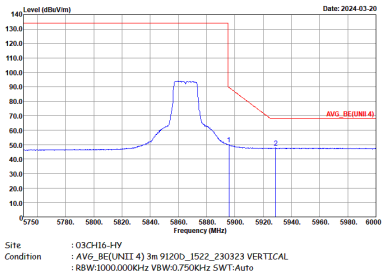
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

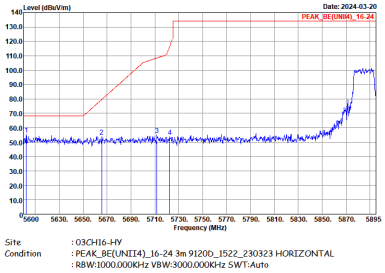
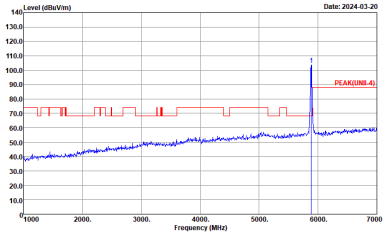
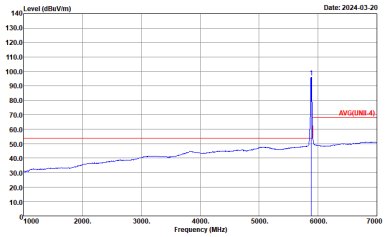
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz	
	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

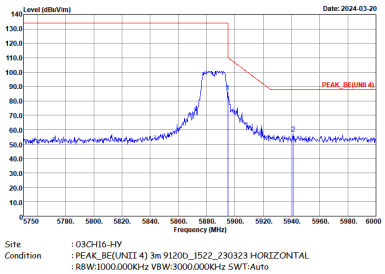
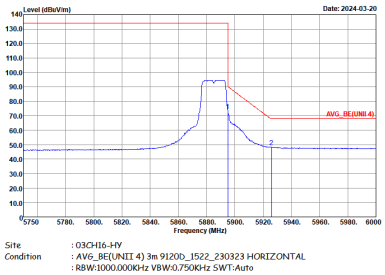
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

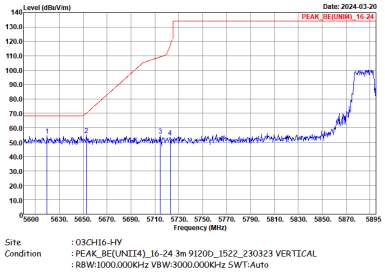
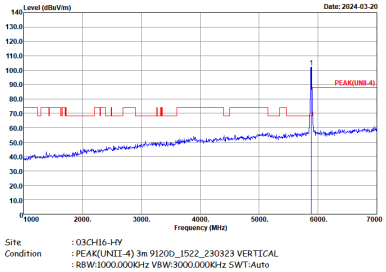
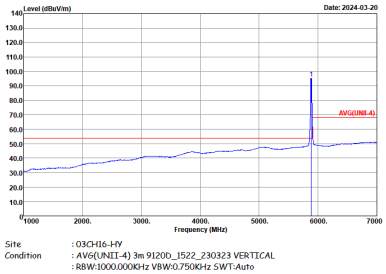
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz	
	Horizontal	Fundamental
Peak		Left blank
Avg		Left blank

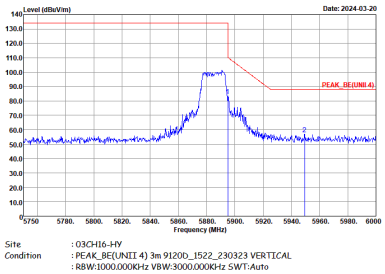
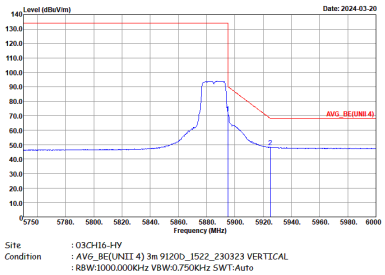
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz	
	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

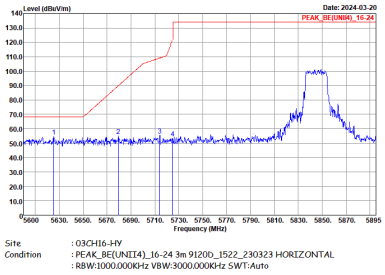
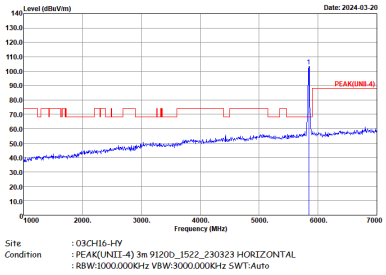
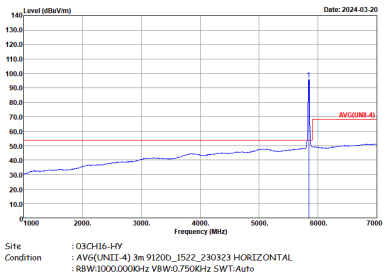
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

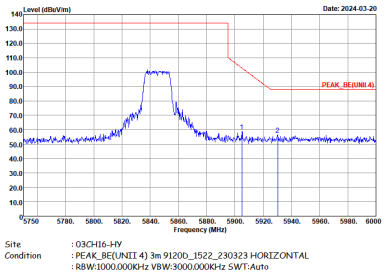
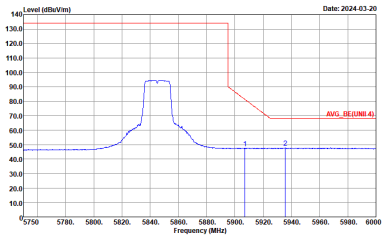
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz	
	Horizontal	Fundamental
Peak		Left blank
Avg		Left blank

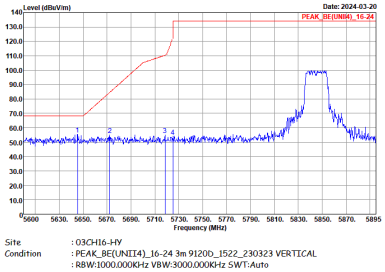
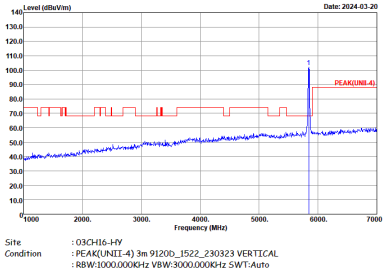
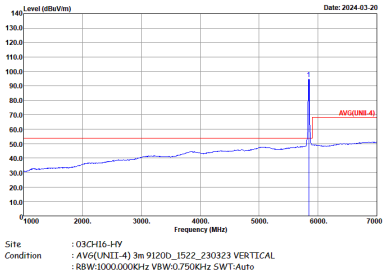
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

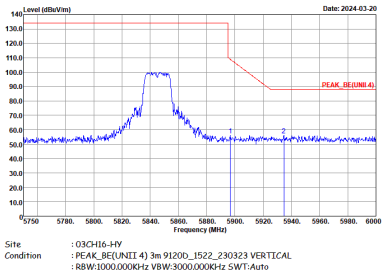
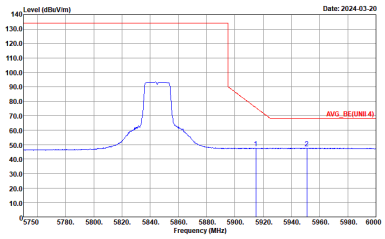
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz	
	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

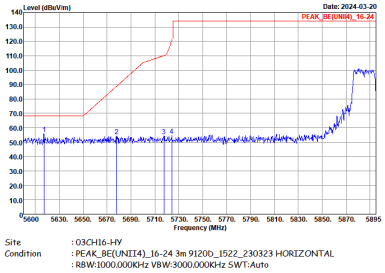
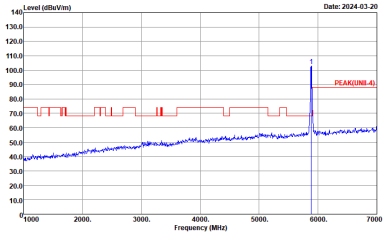
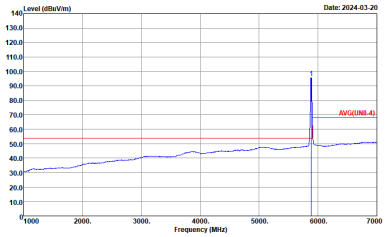
WIFI 802.11n HT20 (Band Edge @ 3m)

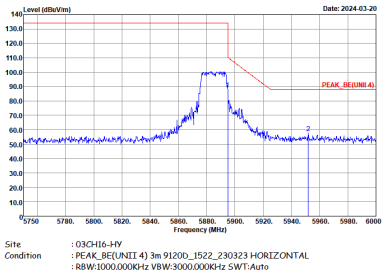
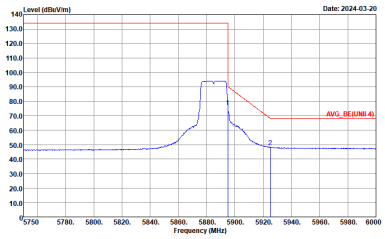
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11n HT20 CH169 5845MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

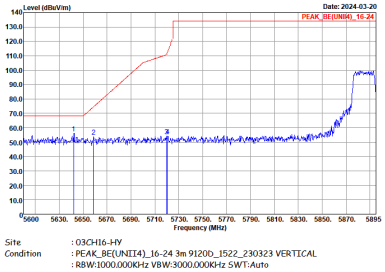
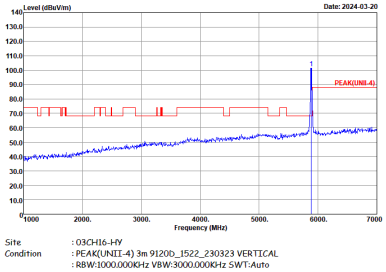
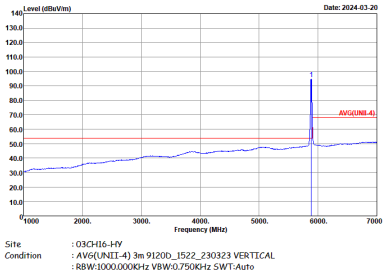
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11n HT20 CH169 5845MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

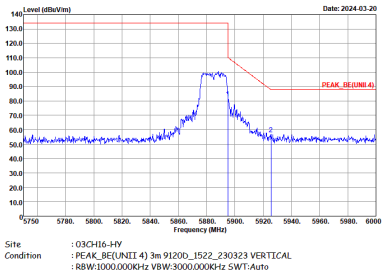
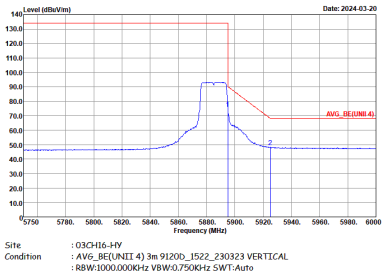
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11n HT20 CH169 5845MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11n HT20 CH169 5845MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

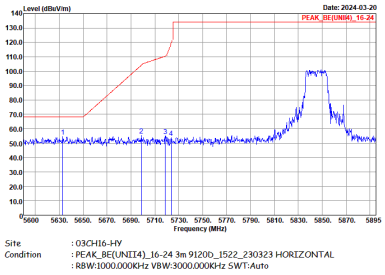
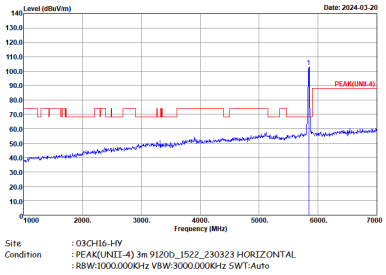
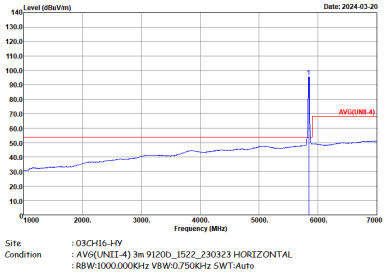
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11n HT20 CH177 5885MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

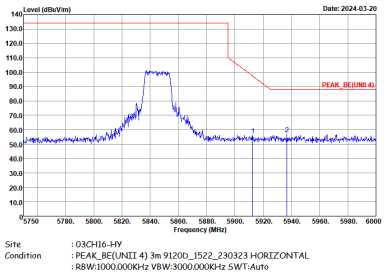
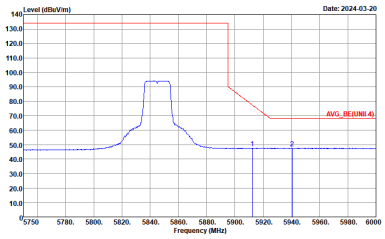
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11n HT20 CH177 5885MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

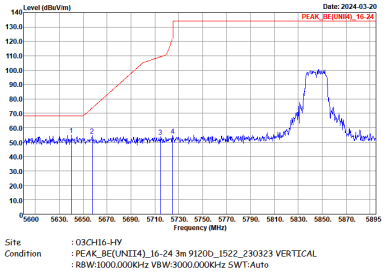
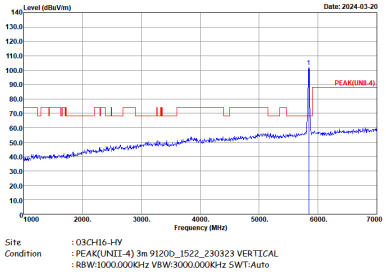
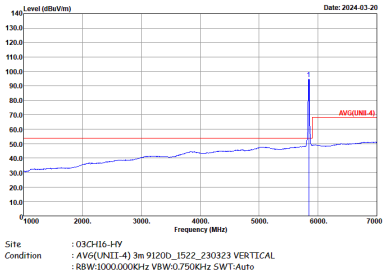
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11n HT20 CH177 5885MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

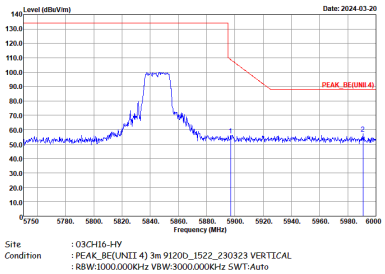
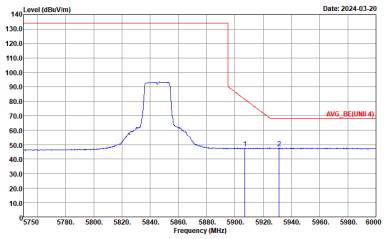
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11n HT20 CH177 5885MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

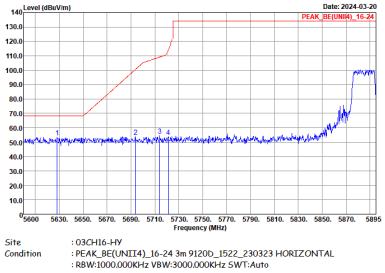
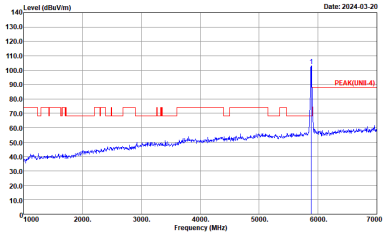
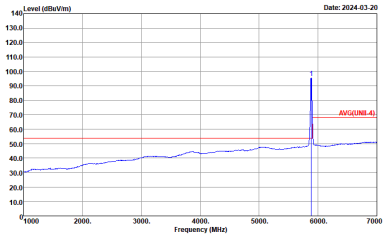
WIFI 802.11ac VHT20 (Band Edge @ 3m)

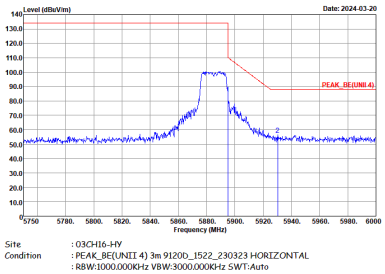
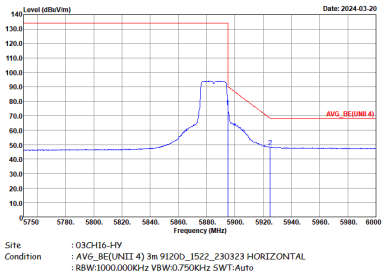
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH169 5845MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

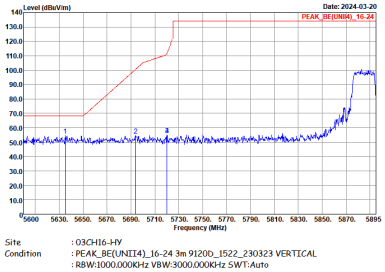
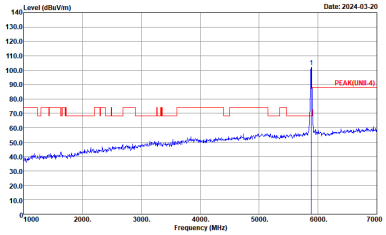
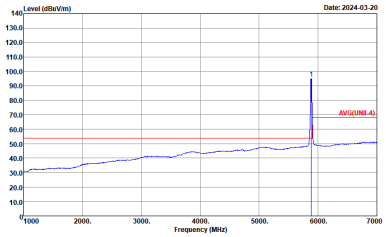
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH169 5845MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

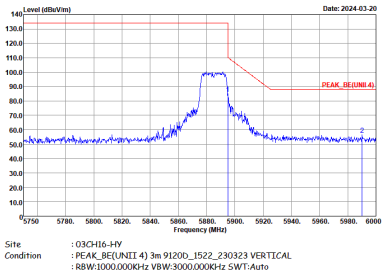
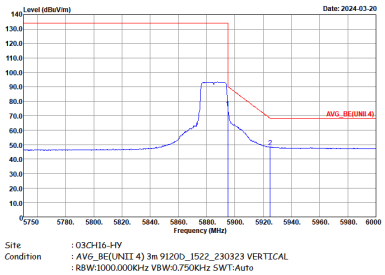
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH169 5845MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH169 5845MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

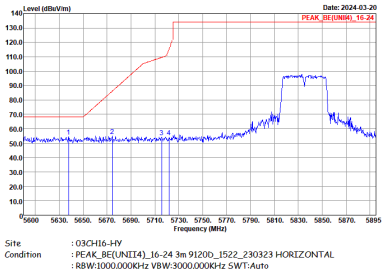
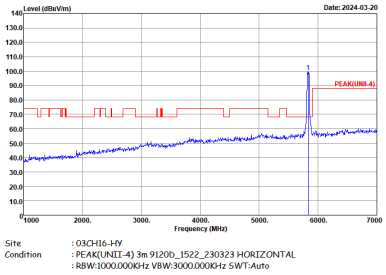
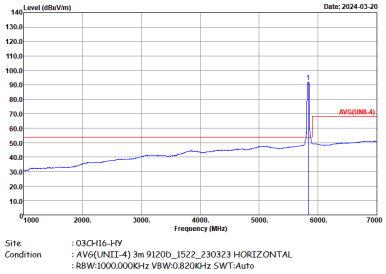
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT20 H177 5885MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120b_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120b_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120b_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

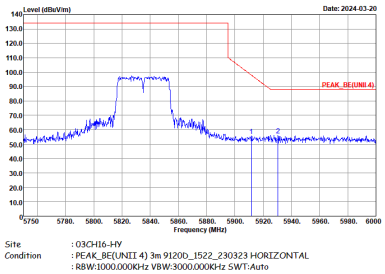
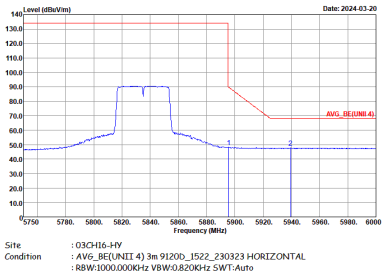
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH177 5885MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

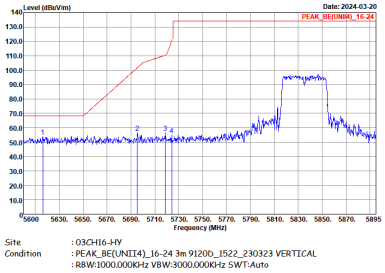
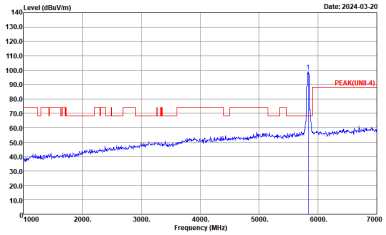
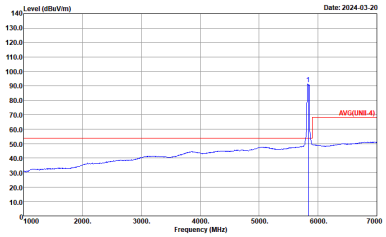
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH177 5885MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

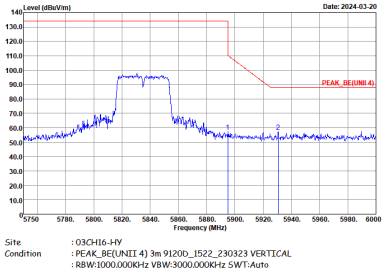
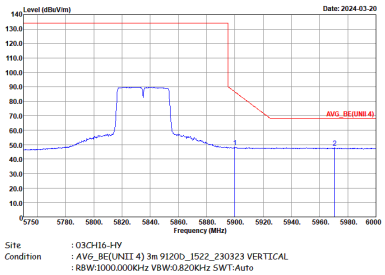
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH177 5885MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

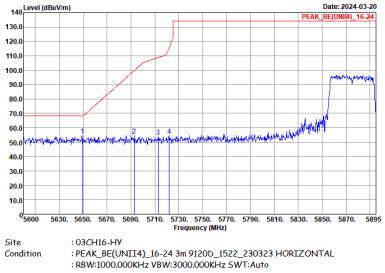
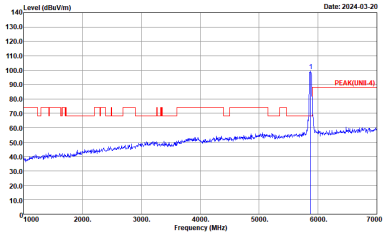
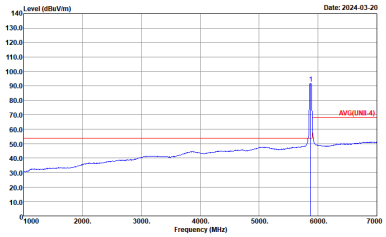
WIFI 802. 11ac VHT40 (Band Edge @ 3m)

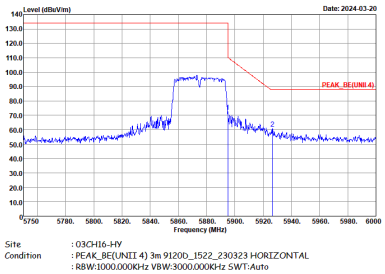
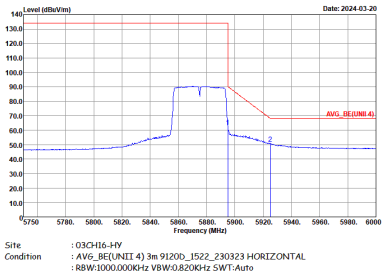
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH167 5835MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

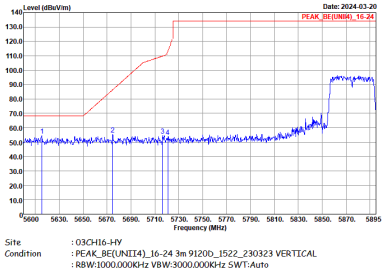
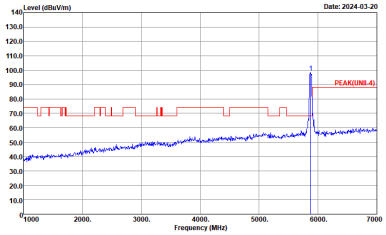
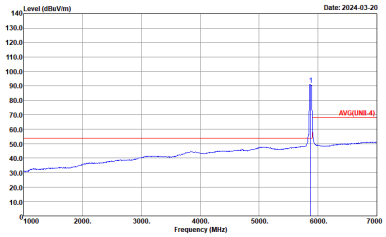
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH167 5835MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	Left blank

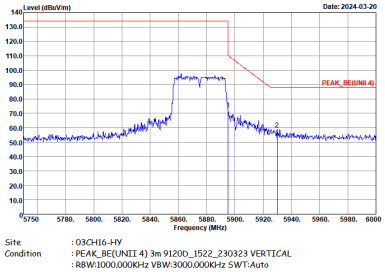
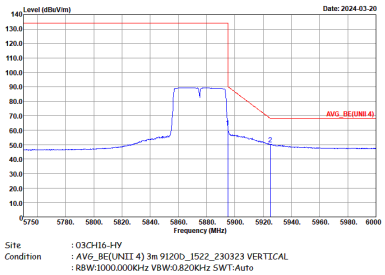
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH167 5835MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH167 5835MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	Left blank

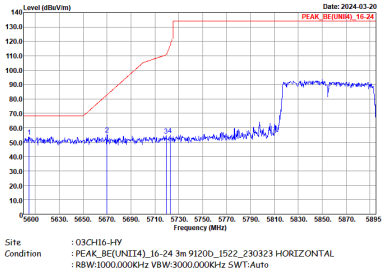
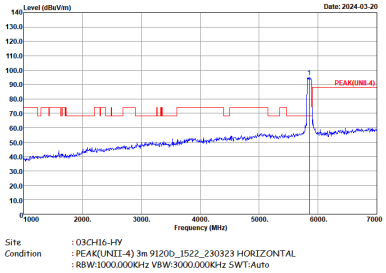
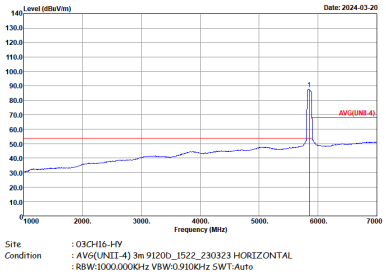
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH175 5875MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

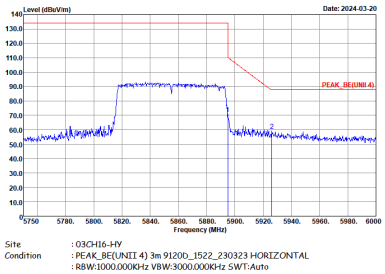
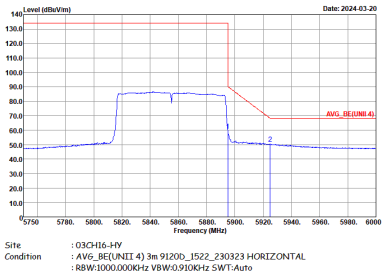
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH175 5875MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	Left blank

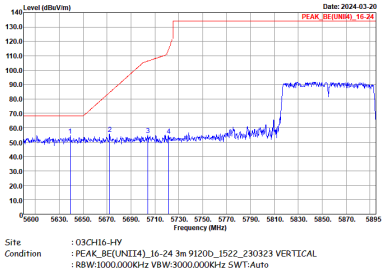
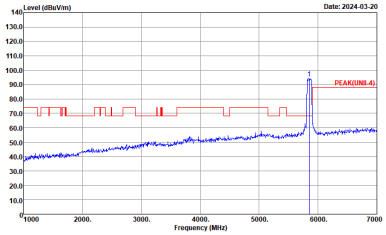
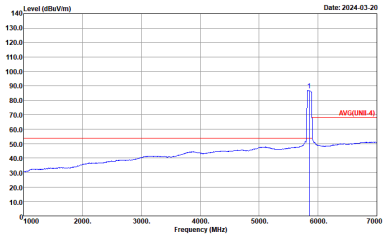
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH175 5875MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

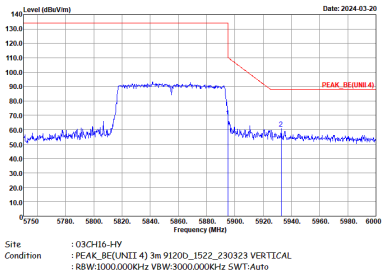
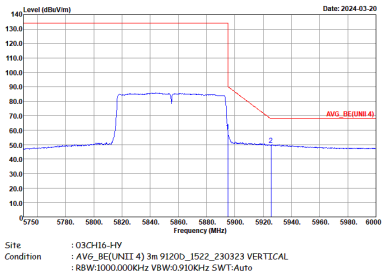
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH175 5875MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	Left blank

WIFI 802.11ac VHT80 (Band Edge @ 3m)

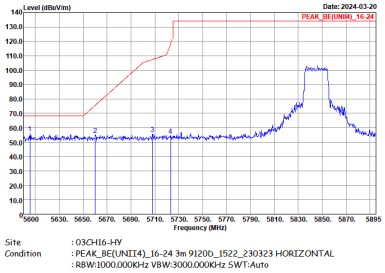
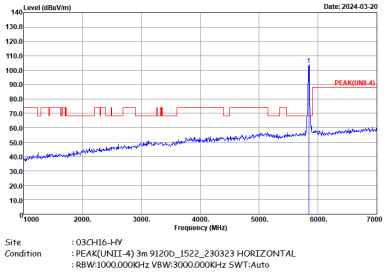
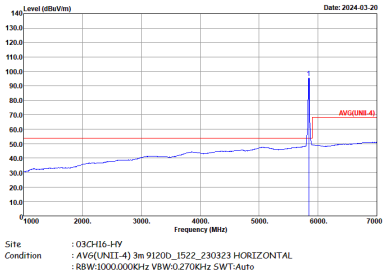
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH171 5855MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

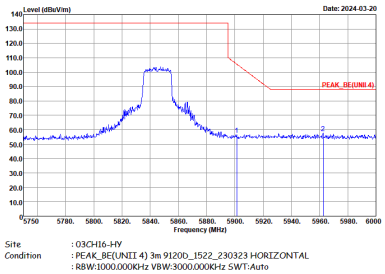
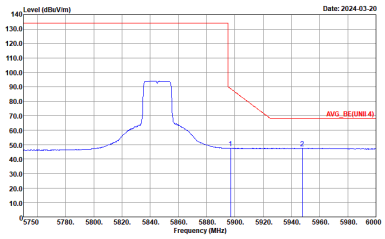
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH171 5855MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.910KHz SWT:Auto	Left blank

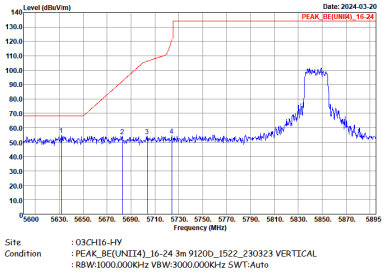
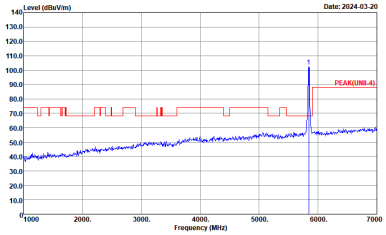
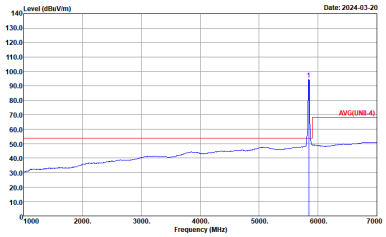
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH171 5855MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.910KHz SWT:Auto

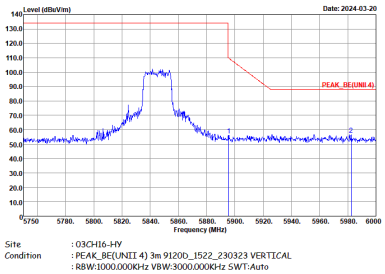
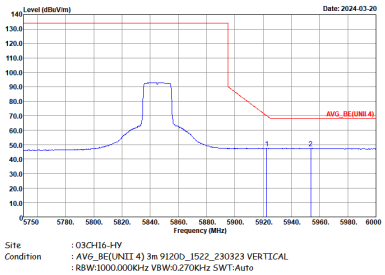
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH171 5855MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.910KHz SWT:Auto	Left blank

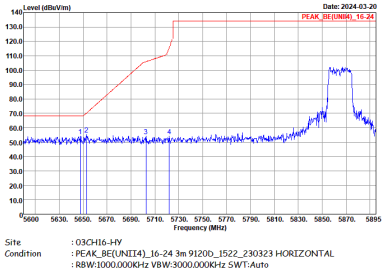
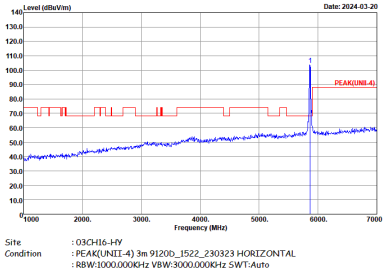
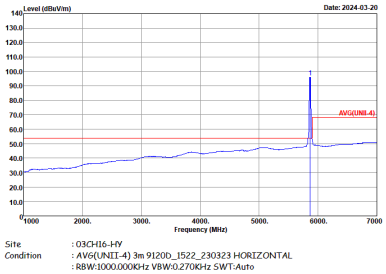
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

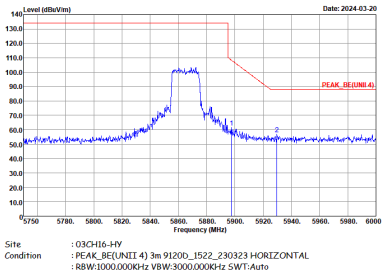
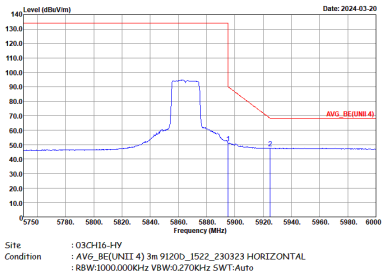
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH169 5845MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

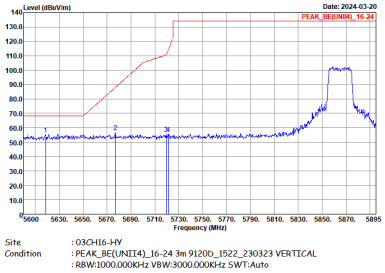
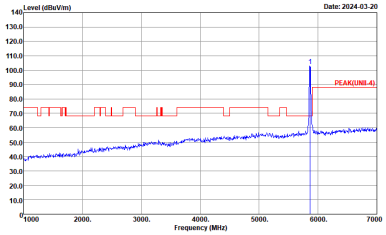
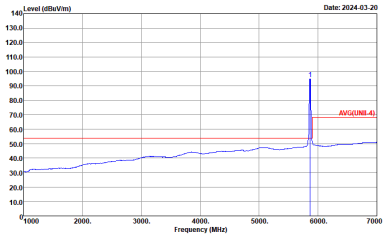
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH169 5845MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Left blank

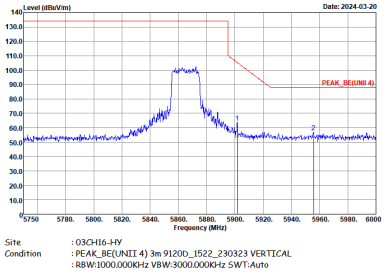
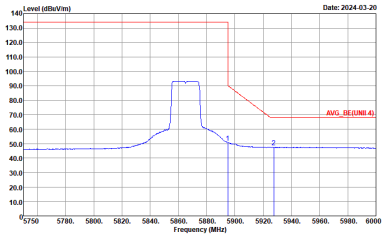
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH169 5845MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

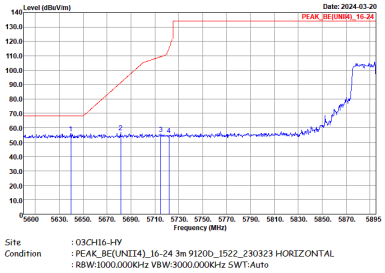
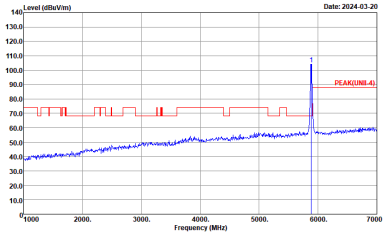
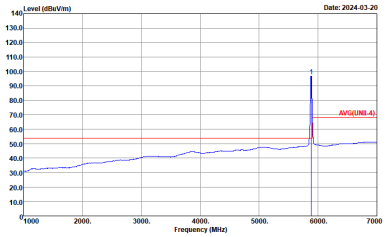
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH169 5845MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Left blank

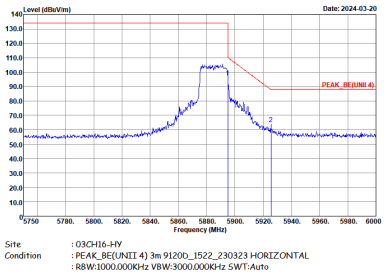
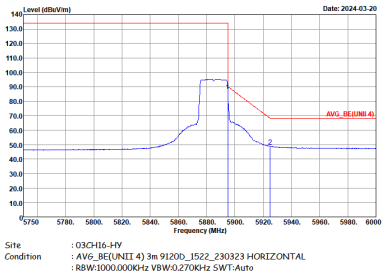
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH173 5865MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

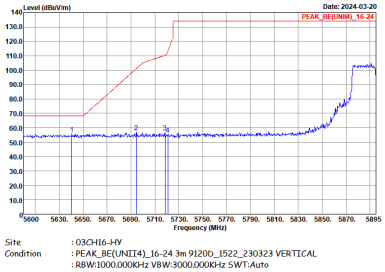
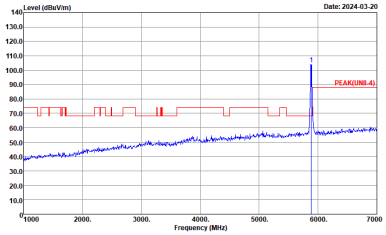
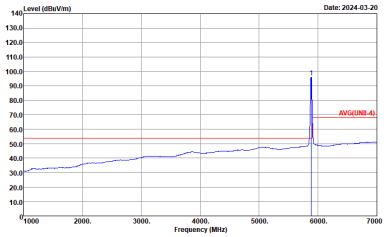
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH173 5865MHz	
	Horizontal	Fundamental
Peak		Left blank
Avg		Left blank

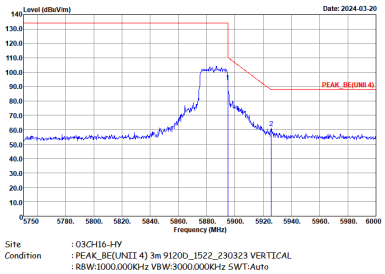
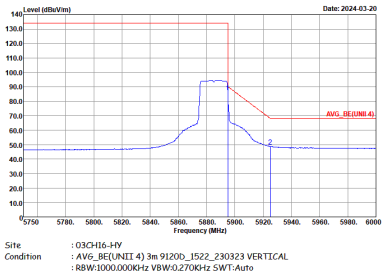
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH173 5865MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH173 5865MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Left blank

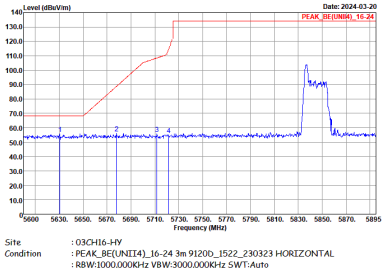
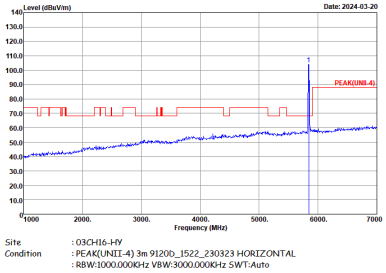
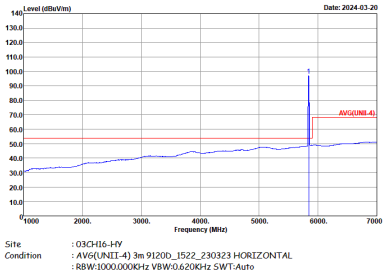
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH177 5885MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

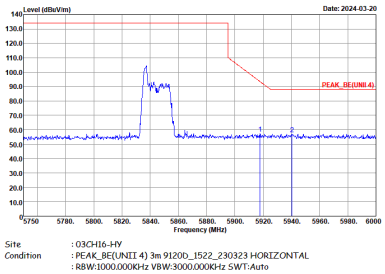
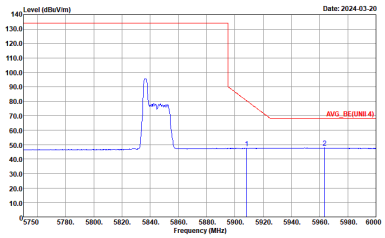
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH177 5885MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Left blank

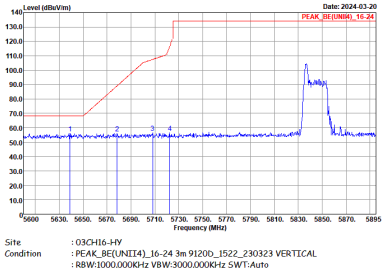
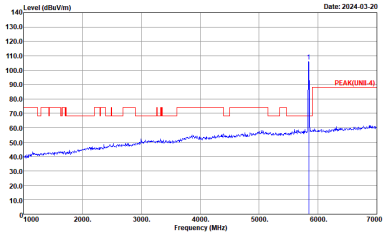
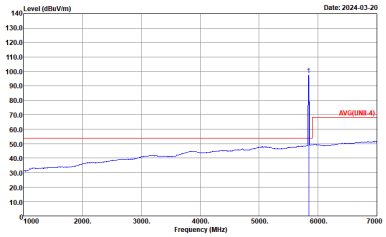
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH177 5885MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

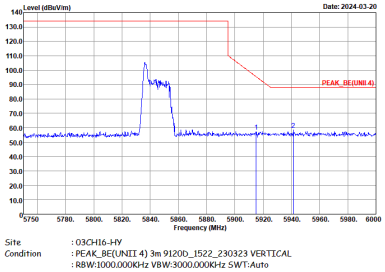
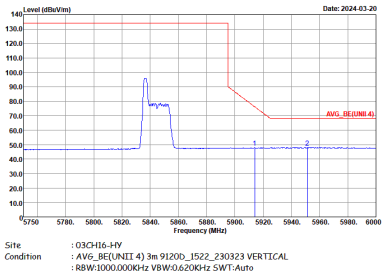
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH177 5885MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Left blank

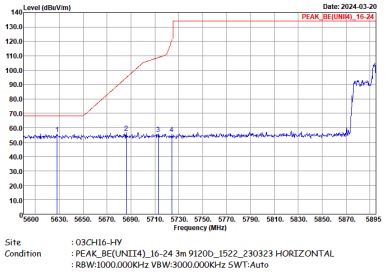
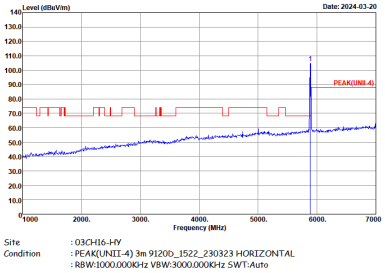
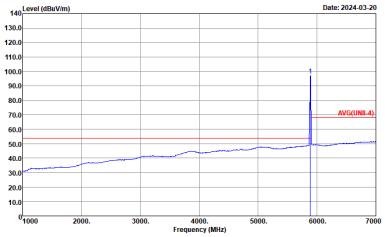
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

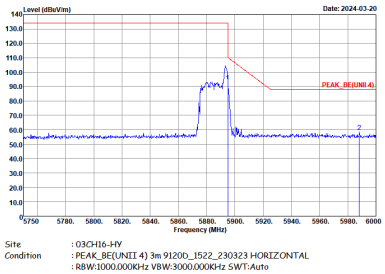
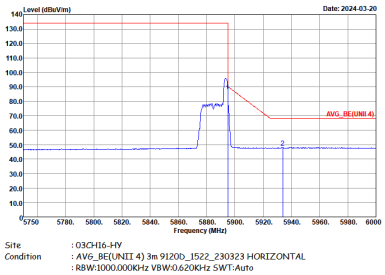
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

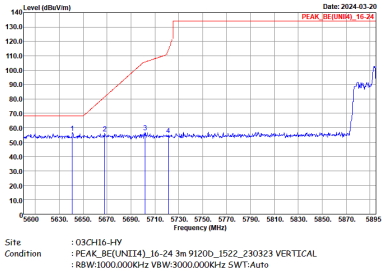
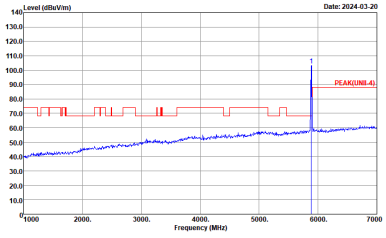
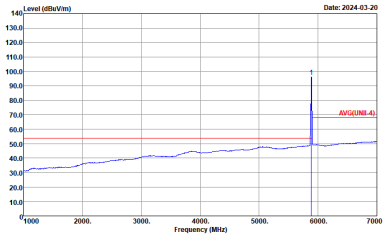
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank

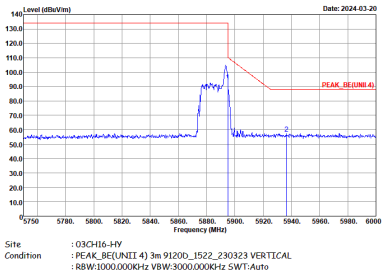
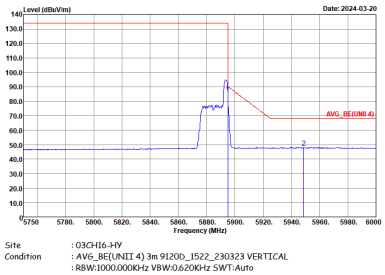
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank

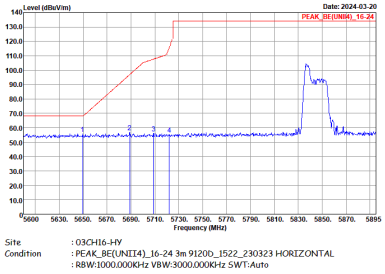
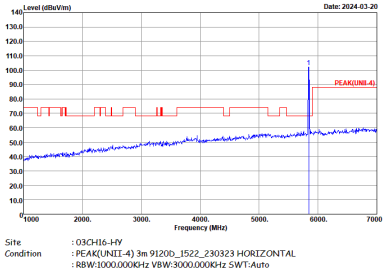
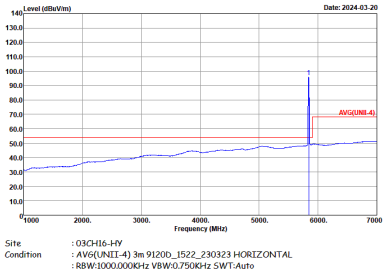
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HV Condition : PEAK(UNII-4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HV Condition : AVG(UNII-4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

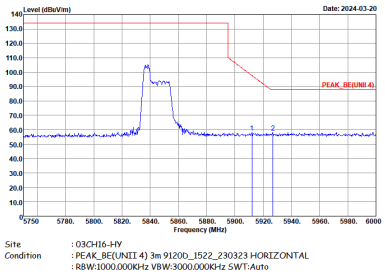
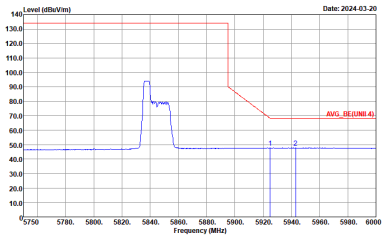
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	Left blank

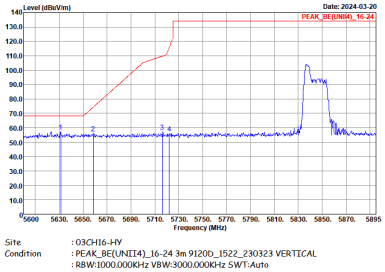
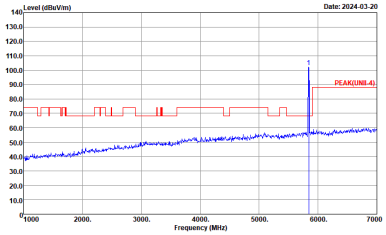
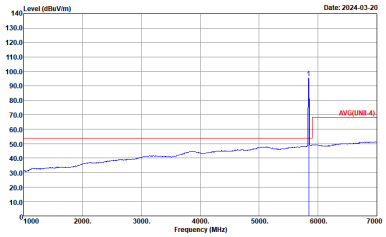
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto

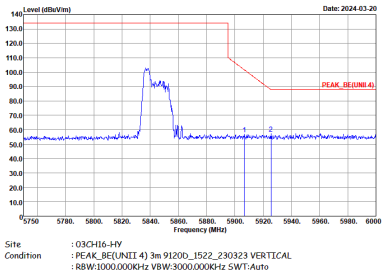
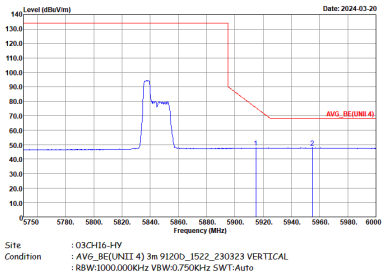
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

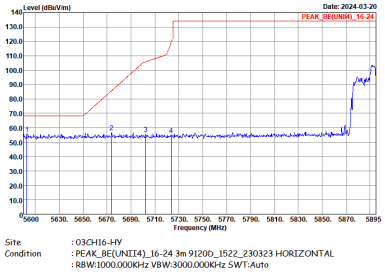
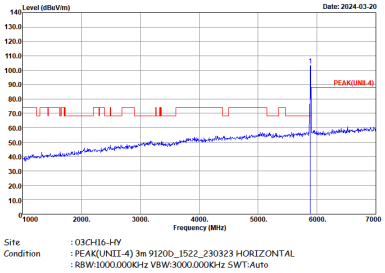
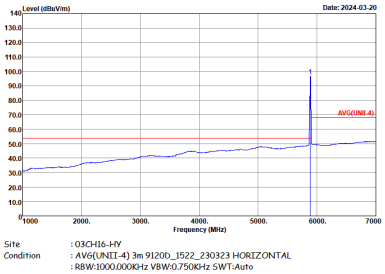
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

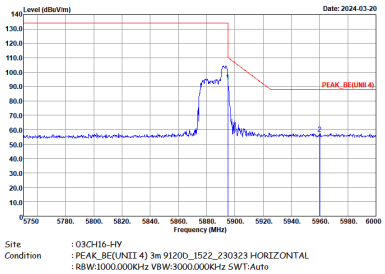
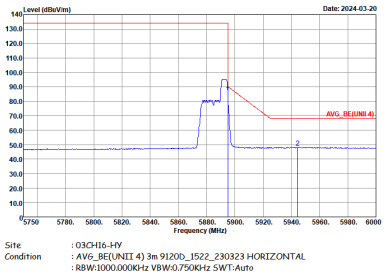
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

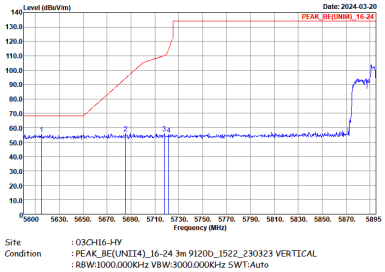
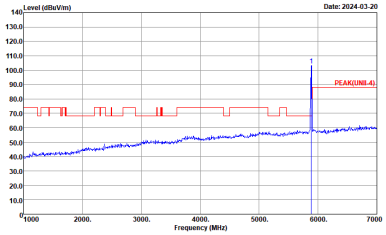
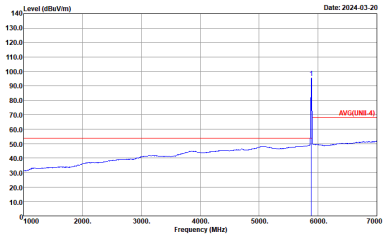
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

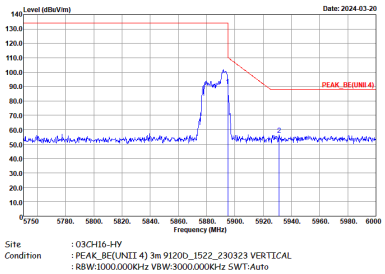
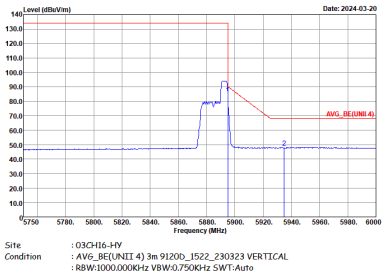
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

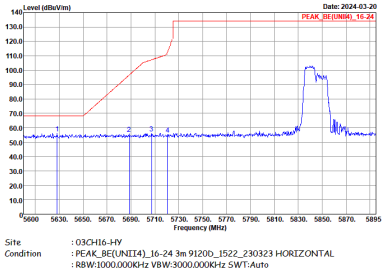
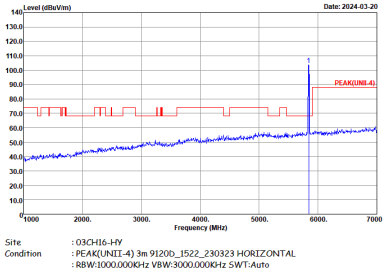
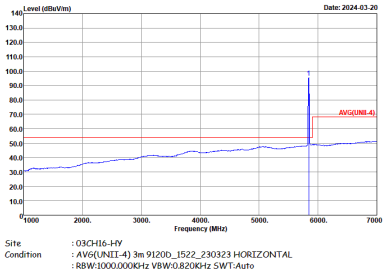
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
	Horizontal	Fundamental
Peak		Left blank
Avg		Left blank

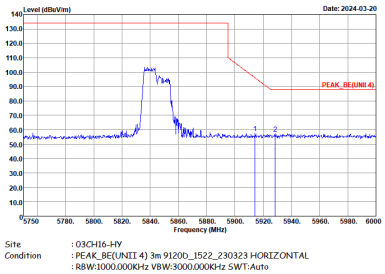
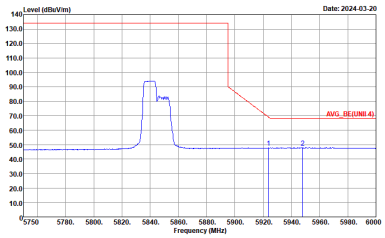
WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG(UNII-4) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

UNII 4 5600~5950MHz

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

WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH169 5845MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII 4 5600~5950MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH169 5845MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH16-HV Condition : AVG_BE(UNII 4) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	Left blank