FCC RADIO TEST REPORT

FCC ID	:	**A4RGBDU9**
Equipment	:	**Wireless Device**
Model Name	:	**GBDU9**
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. 15, 2023 and testing was performed from Nov. 29, 2023 to Mar. 26, 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
FR412509G	01	Initial issue of report	Apr. 18, 2023
FR412509G	02	Revise Appendix A and Appendix D This report is an updated version, replacing the report issued on Apr. 18, 2023.	Apr. 24, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(e)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum E.I.R.P Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	2.51 dB under the limit at 5895.00 MHz
3.5	15.207	AC Conducted Emission	Pass	24.62 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: Yun Huang

Report Producer: Michelle 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**
1JE6501069703033A200F93	RF Conducted Measurement
41171JEAVL0007	Radiated Spurious Emission
41291JEAVL007H	Conducted Emission

Antenna information		
5850 MHz ~ 5895 MHz	Peak Gain (dBi)	-1.4

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, 03CH11-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
- 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 Y 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.

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: WLAN (5GHz) Link + Bluetooth 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

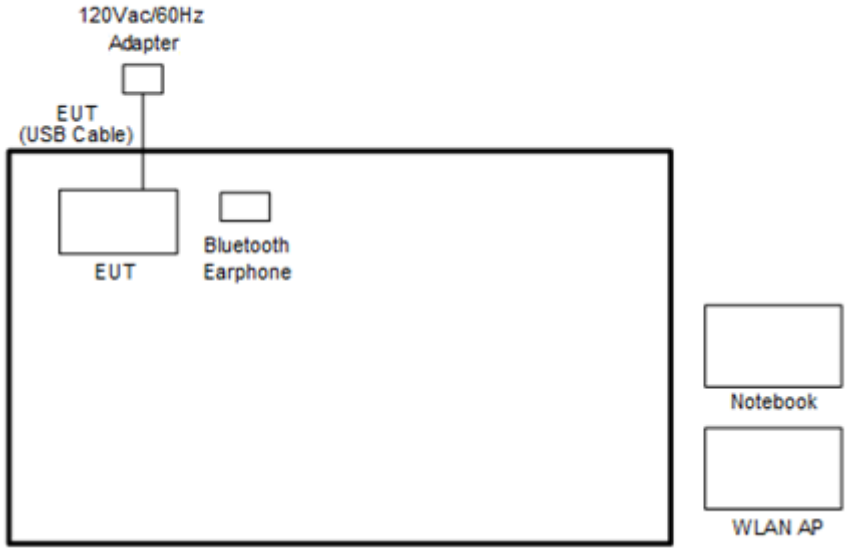
Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels		
		802.11ac VHT20	802.11ac VHT40	802.11ac VHT80
L	Low	169	167	-
M	Middle	173	-	171
H	High	177	175	-

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	-

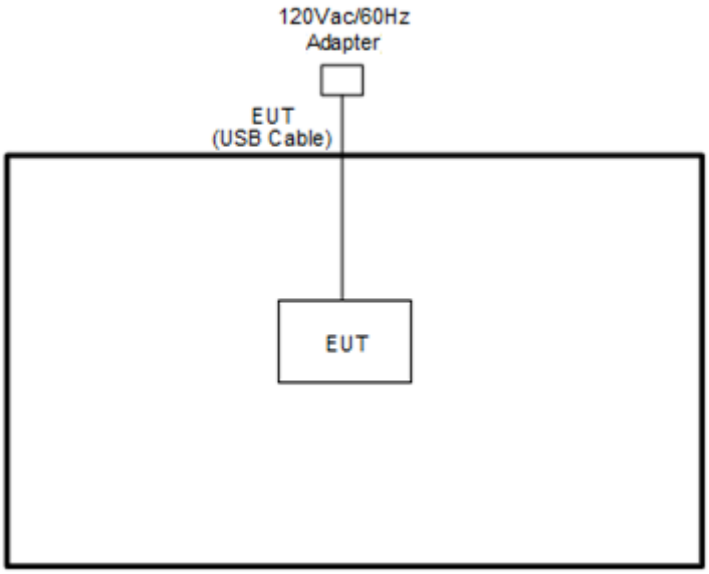
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

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.	Adapter	Chicony	G9BR1	N/A	N/A	N/A
5.	Adapter	Aohai	G9BR1	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “adb command 1.0.36” 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 2.11 Minimum Emission bandwidth

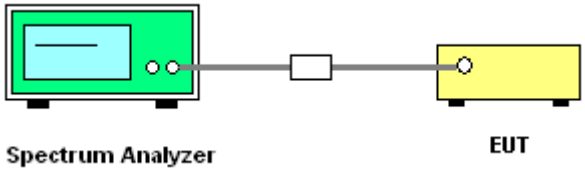
1. Set RBW = 100 kHz.
2. Set the VBW ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold
5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
6. Measure and record the results in the test report.

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

Section C) Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = Peak.
4. Trace mode = max hold
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
6. For 99% bandwidth measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.

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.

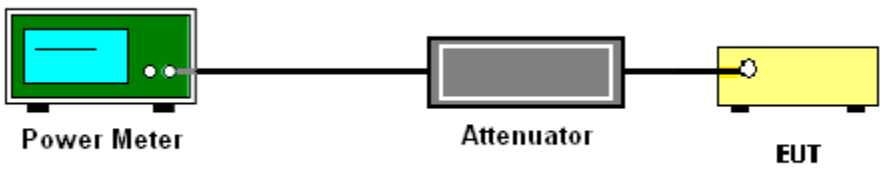
3.2.3Test Procedures

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.

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.

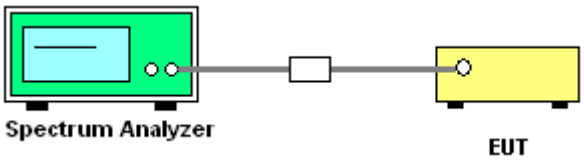
 # Method SA-2 #

(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

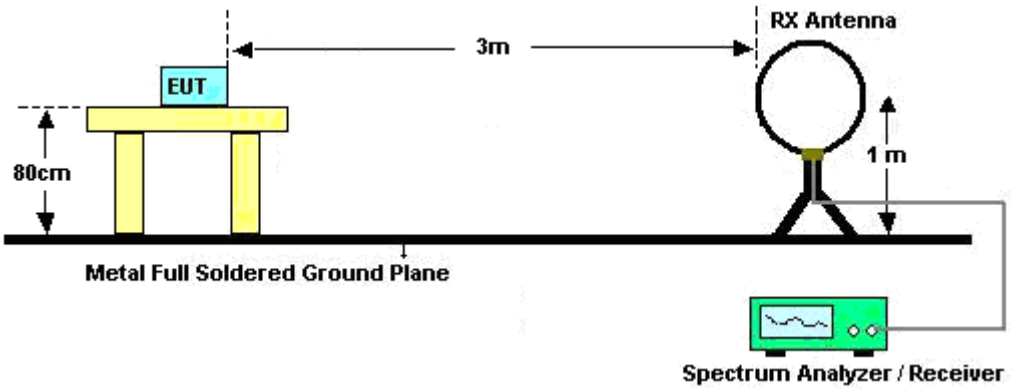
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - 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.

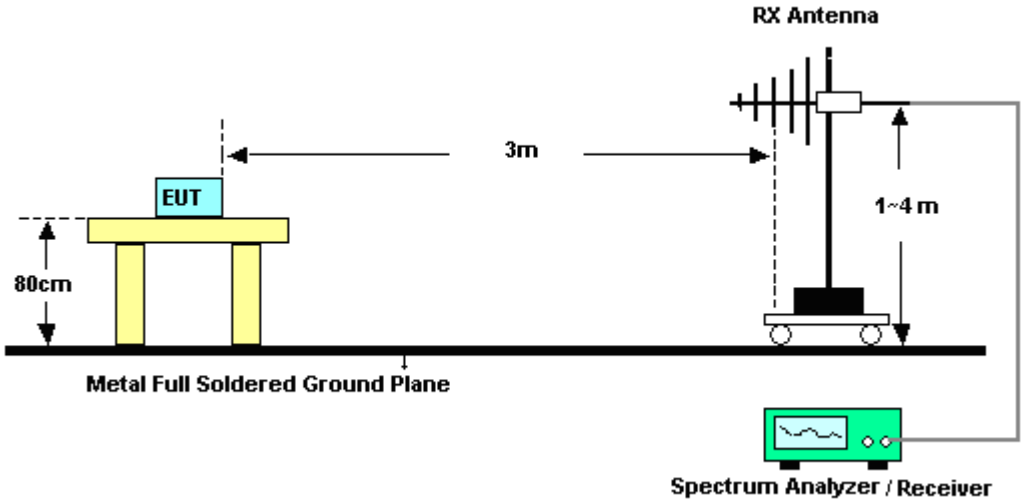
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.
4. The measurement antenna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

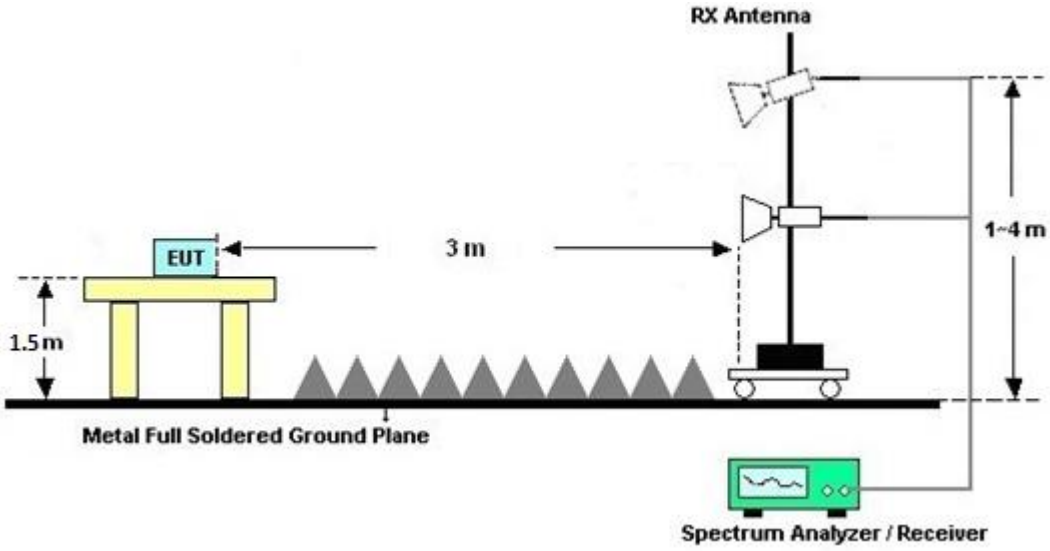
For radiated emissions below 30MHz



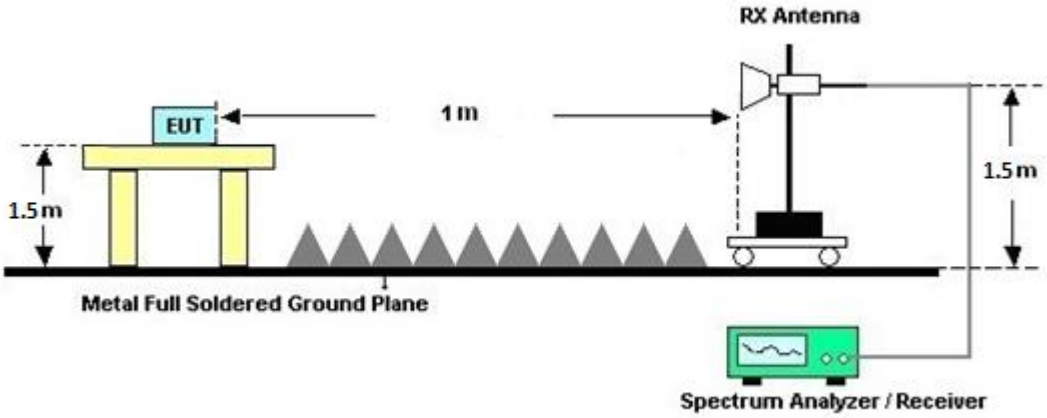
For radiated emissions from 30MHz to 1GHz



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.

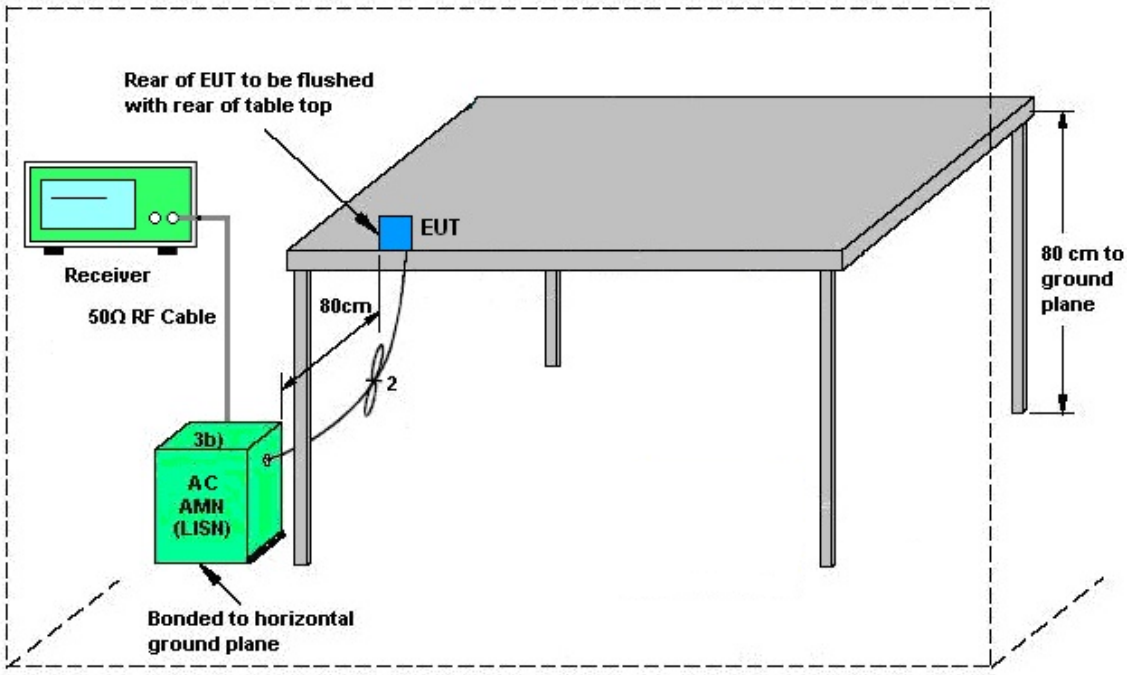
3.5.2Measuring Instruments

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
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 07, 2023	Mar. 03, 2024~ Mar. 09, 2024	Oct. 06, 2024	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Feb. 22, 2024~ Mar. 26, 2024	Sep. 11, 2024	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Aug. 17, 2023	Feb. 22, 2024 ~ Mar. 26, 2024	Aug. 16, 2024	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 10, 2023	Feb. 22, 2024 ~ Mar. 26, 2024	Jul. 09, 2024	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 08, 2023	Mar. 03, 2024~ Mar. 09, 2024	Dec. 07, 2024	Radiation (03CH11-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-10M-7000-MR	EC1900245	10MHz-7GHz	Jan. 09, 2024	Mar. 03, 2024~ Mar. 09, 2024	Jan. 08, 2025	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55-303	17100018000 55007	1GHz~18GHz	Jun. 14, 2023	Mar. 03, 2024~ Mar. 09, 2024	Jun. 13, 2024	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Mar. 03, 2024~ Mar. 09, 2024	Jun. 26, 2024	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 05, 2023	Mar. 03, 2024~ Mar. 09, 2024	Oct. 04, 2024	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Mar. 03, 2024~ Mar. 09, 2024	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Mar. 03, 2024~ Mar. 09, 2024	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Mar. 03, 2024~ Mar. 09, 2024	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Mar. 03, 2024~ Mar. 09, 2024	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY1595/2	30MHz~40GHz	Mar. 07, 2023	Mar. 03, 2024~ Mar. 05, 2024	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY1595/2	30MHz~40GHz	Mar. 06, 2024	Mar. 06, 2024~ Mar. 09, 2024	Mar. 05, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz~40GHz	Mar. 07, 2023	Mar. 03, 2024~ Mar. 05, 2024	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz~40GHz	Mar. 06, 2024	Mar. 06, 2024~ Mar. 09, 2024	Mar. 05, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 07, 2023	Mar. 03, 2024~ Mar. 05, 2024	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Mar. 06, 2024~ Mar. 09, 2024	Mar. 05, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 07, 2023	Mar. 03, 2024~ Mar. 05, 2024	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 06, 2024	Mar. 06, 2024~ Mar. 09, 2024	Mar. 05, 2025	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53G Low Pass	Sep. 11, 2023	Mar. 03, 2024~ Mar. 09, 2024	Sep. 10, 2024	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 11, 2023	Mar. 03, 2024~ Mar. 09, 2024	Sep. 10, 2024	Radiation (03CH11-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	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)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07. 2023	Nov. 29, 2023~ Dec. 25, 2023	Nov. 06. 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3008W	RPR8W-2301001(NO:146)	10MHz~8GHz	Feb. 07, 2023	Nov. 29, 2023~ Dec. 25, 2023	Feb. 06, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz ~ 40GHz	Dec. 26, 2022	Nov. 29, 2023~ Dec. 18, 2023	Dec. 25, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz ~ 40GHz	Dec. 19, 2023	Dec. 19, 2023~ Dec. 25, 2023	Dec. 18, 2024	Conducted (TH05-HY)

5 Measurement Uncertainty

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.10 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.30 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.30 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.30 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu and Hank Hsu	Temperature:	21~25	°C
Test Date:	2023/11/29~2023/12/25	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 1	-	Ant 1	-		
11a	6Mbps	1	169	5845	17.53	-	30.48	-	16.45	-	0.5	Pass
11a	6Mbps	1	173	5865	17.38	-	24.72	-	16.50	-	0.5	Pass
11a	6Mbps	1	177	5885	17.48	-	26.88	-	16.50	-	0.5	Pass
HT20	MCS0	1	169	5845	18.68	-	33.84	-	17.70	-	0.5	Pass
HT20	MCS0	1	173	5865	18.43	-	33.04	-	17.70	-	0.5	Pass
HT20	MCS0	1	177	5885	18.53	-	30.64	-	17.70	-	0.5	Pass
HT40	MCS0	1	167	5835	37.36	-	80.32	-	36.54	-	0.5	Pass
HT40	MCS0	1	175	5875	37.76	-	79.20	-	36.54	-	0.5	Pass
VHT20	MCS0	1	169	5845	18.48	-	32.80	-	17.70	-	0.5	Pass
VHT20	MCS0	1	173	5865	18.48	-	29.52	-	17.70	-	0.5	Pass
VHT20	MCS0	1	177	5885	18.63	-	31.04	-	17.70	-	0.5	Pass
VHT40	MCS0	1	167	5835	37.06	-	74.08	-	36.54	-	0.5	Pass
VHT40	MCS0	1	175	5875	37.06	-	66.88	-	36.54	-	0.5	Pass
VHT80	MCS0	1	171	5855	75.88	-	82.88	-	76.48	-	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	-	SUM	Ant 1	-	Ant 1	-	Ant 1	-
11a	6Mbps	1	169	5845	17.30	-		-1.40	-	15.90	-	30	30
11a	6Mbps	1	173	5865	17.40	-		-1.40	-	16.00	-	30	30
11a	6Mbps	1	177	5885	17.30	-		-1.40	-	15.90	-	30	30
HT20	MCS0	1	169	5845	17.20	-		-1.40	-	15.80	-	30	30
HT20	MCS0	1	173	5865	17.40	-		-1.40	-	16.00	-	30	30
HT20	MCS0	1	177	5885	17.20	-		-1.40	-	15.80	-	30	30
HT40	MCS0	1	167	5835	16.10	-		-1.40	-	14.70	-	30	30
HT40	MCS0	1	175	5875	16.10	-		-1.40	-	14.70	-	30	30
VHT20	MCS0	1	169	5845	17.30	-		-1.40	-	15.90	-	30	30
VHT20	MCS0	1	173	5865	17.30	-		-1.40	-	15.90	-	30	30
VHT20	MCS0	1	177	5885	17.20	-		-1.40	-	15.80	-	30	30
VHT40	MCS0	1	167	5835	16.10	-		-1.40	-	14.70	-	30	30
VHT40	MCS0	1	175	5875	16.10	-		-1.40	-	14.70	-	30	30
VHT80	MCS0	1	171	5855	15.10	-		-1.40	-	13.70	-	30	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 2	Ant 1	-	SUM	Ant 1	-	Ant 1	-	Ant 1	-	
11a	6Mbps	1	169	5845	0.43	-	6.53	-		-1.40	-	5.13	-	14.00	14.00	Pass
11a	6Mbps	1	173	5865	0.43	-	6.10	-		-1.40	-	4.70	-	14.00	14.00	Pass
11a	6Mbps	1	177	5885	0.43	-	6.05	-		-1.40	-	4.65	-	14.00	14.00	Pass
HT20	MCS0	1	169	5845	0.46	-	6.12	-		-1.40	-	4.72	-	14.00	14.00	Pass
HT20	MCS0	1	173	5865	0.46	-	5.75	-		-1.40	-	4.35	-	14.00	14.00	Pass
HT20	MCS0	1	177	5885	0.46	-	5.65	-		-1.40	-	4.25	-	14.00	14.00	Pass
HT40	MCS0	1	167	5835	0.45	-	1.86	-		-1.40	-	0.46	-	14.00	14.00	Pass
HT40	MCS0	1	175	5875	0.45	-	1.57	-		-1.40	-	0.17	-	14.00	14.00	Pass
VHT20	MCS0	1	169	5845	0.46	-	5.97	-		-1.40	-	4.57	-	14.00	14.00	Pass
VHT20	MCS0	1	173	5865	0.46	-	5.66	-		-1.40	-	4.26	-	14.00	14.00	Pass
VHT20	MCS0	1	177	5885	0.46	-	5.83	-		-1.40	-	4.43	-	14.00	14.00	Pass
VHT40	MCS0	1	167	5835	0.48	-	2.15	-		-1.40	-	0.75	-	14.00	14.00	Pass
VHT40	MCS0	1	175	5875	0.48	-	1.63	-		-1.40	-	0.23	-	14.00	14.00	Pass
VHT80	MCS0	1	171	5855	0.44	-	-2.36	-		-1.40	-	-3.76	-	14.00	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 1	-	Ant 1	-		
HE20	MCS0	1	169	5845	Full	19.38	-	34.16	-	19.15	-	0.5	Pass
HE20	MCS0	1	173	5865	Full	19.28	-	34.88	-	19.10	-	0.5	Pass
HE20	MCS0	1	177	5885	Full	19.28	-	30.96	-	19.00	-	0.5	Pass
HE40	MCS0	1	167	5835	Full	37.96	-	46.88	-	37.71	-	0.5	Pass
HE40	MCS0	1	175	5875	Full	37.96	-	46.88	-	37.71	-	0.5	Pass
HE80	MCS0	1	171	5855	Full	77.08	-	82.24	-	77.92	-	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	-	SUM	Ant 1	-	Ant 1	-	Ant 1	-
HE20	MCS0	1	169	5845	Full	17.30	-		-1.40	-	15.90	-	30	30
HE20	MCS0	1	169	5845	26/0	8.70	-		-1.40	-	7.30	-	30	30
HE20	MCS0	1	169	5845	52/37	11.10	-		-1.40	-	9.70	-	30	30
HE20	MCS0	1	169	5845	106/53	14.40	-		-1.40	-	13.00	-	30	30
HE20	MCS0	1	173	5865	Full	17.30	-		-1.40	-	15.90	-	30	30
HE20	MCS0	1	173	5865	26/4	9.60	-		-1.40	-	8.20	-	30	30
HE20	MCS0	1	173	5865	52/38	11.10	-		-1.40	-	9.70	-	30	30
HE20	MCS0	1	173	5865	106/53	14.20	-		-1.40	-	12.80	-	30	30
HE20	MCS0	1	177	5885	Full	17.20	-		-1.40	-	15.80	-	30	30
HE20	MCS0	1	177	5885	26/8	8.70	-		-1.40	-	7.30	-	30	30
HE20	MCS0	1	177	5885	52/40	11.30	-		-1.40	-	9.90	-	30	30
HE20	MCS0	1	177	5885	106/54	14.10	-		-1.40	-	12.70	-	30	30
HE40	MCS0	1	167	5835	Full	16.10	-		-1.40	-	14.70	-	30	30
HE40	MCS0	1	175	5875	Full	16.10	-		-1.40	-	14.70	-	30	30
HE80	MCS0	1	171	5855	Full	15.10	-		-1.40	-	13.70	-	30	30

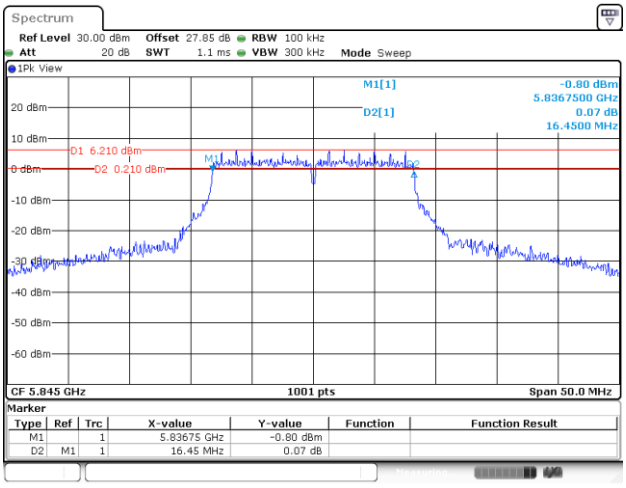
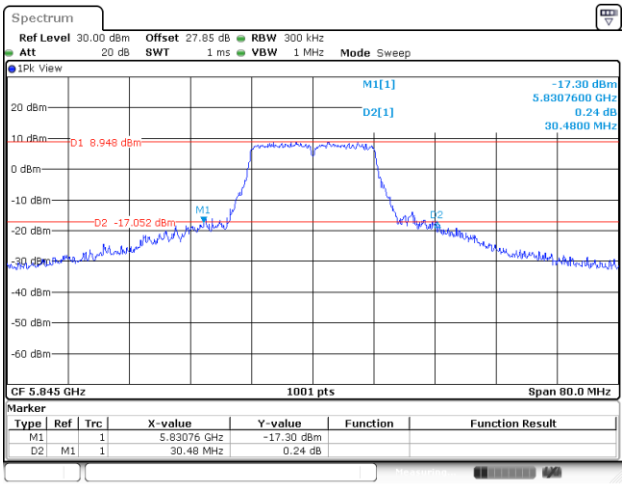
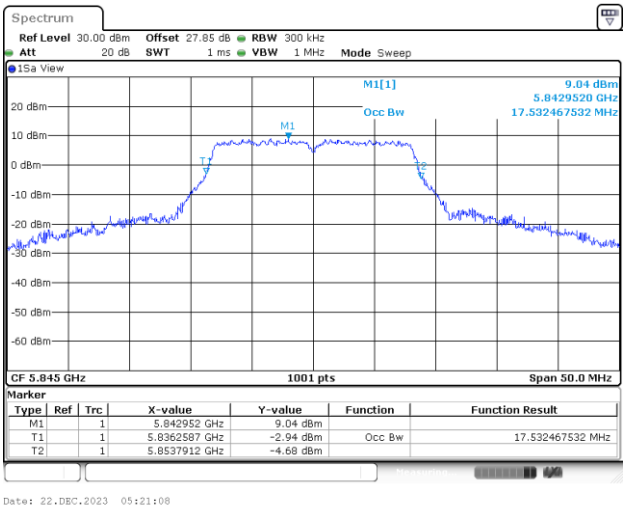
TEST RESULTS DATA
Power Spectral Density

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 2	Ant 1	-	SUM	Ant 1	-	Ant 1	-	Ant 1	-	
HE20	MCS0	1	169	5845	Full	0.59	-	5.81	-		-1.40	-	4.41	-	14.00	14.00	Pass
HE20	MCS0	1	169	5845	26/0	0.25	-	5.63	-		-1.40	-	4.23	-	14.00	14.00	Pass
HE20	MCS0	1	169	5845	52/37	0.27	-	5.41	-		-1.40	-	4.01	-	14.00	14.00	Pass
HE20	MCS0	1	169	5845	106/53	0.32	-	5.74	-		-1.40	-	4.34	-	14.00	14.00	Pass
HE20	MCS0	1	173	5865	Full	0.59	-	5.60	-		-1.40	-	4.20	-	14.00	14.00	Pass
HE20	MCS0	1	173	5865	26/4	0.25	-	5.59	-		-1.40	-	4.19	-	14.00	14.00	Pass
HE20	MCS0	1	173	5865	52/38	0.27	-	5.16	-		-1.40	-	3.76	-	14.00	14.00	Pass
HE20	MCS0	1	173	5865	106/53	0.32	-	5.55	-		-1.40	-	4.15	-	14.00	14.00	Pass
HE20	MCS0	1	177	5885	Full	0.59	-	5.57	-		-1.40	-	4.17	-	14.00	14.00	Pass
HE20	MCS0	1	177	5885	26/8	0.25	-	5.53	-		-1.40	-	4.13	-	14.00	14.00	Pass
HE20	MCS0	1	177	5885	52/40	0.27	-	5.50	-		-1.40	-	4.10	-	14.00	14.00	Pass
HE20	MCS0	1	177	5885	106/54	0.32	-	5.53	-		-1.40	-	4.13	-	14.00	14.00	Pass
HE40	MCS0	1	167	5835	Full	0.60	-	1.78	-		-1.40	-	0.38	-	14.00	14.00	Pass
HE40	MCS0	1	175	5875	Full	0.60	-	1.56	-		-1.40	-	0.16	-	14.00	14.00	Pass
HE80	MCS0	1	171	5855	Full	0.52	-	-2.62	-		-1.40	-	-4.02	-	14.00	14.00	Pass

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

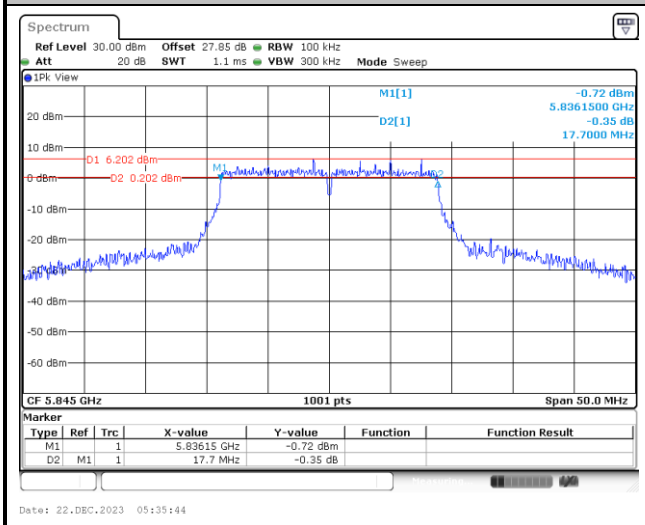
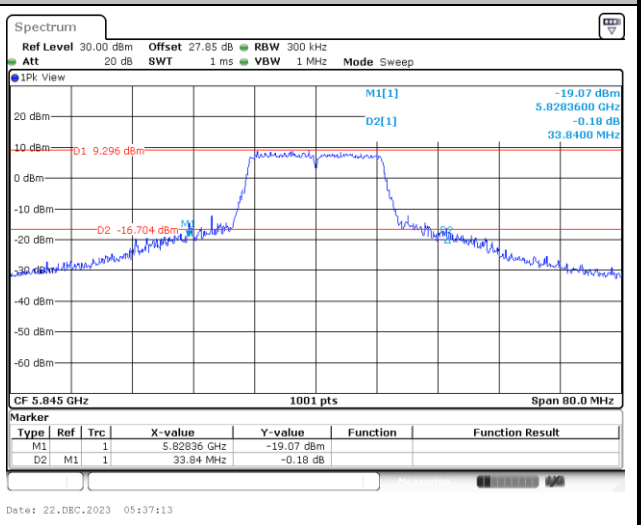
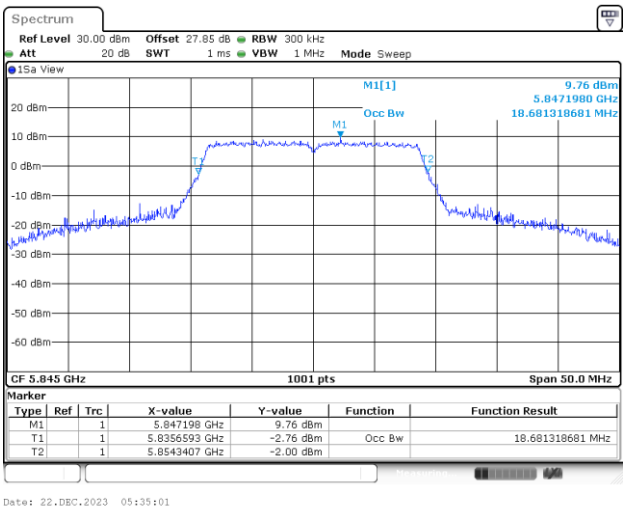
Test Result of 6dB and 26dB and 99% Occupied Bandwidth

<802.11a>

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

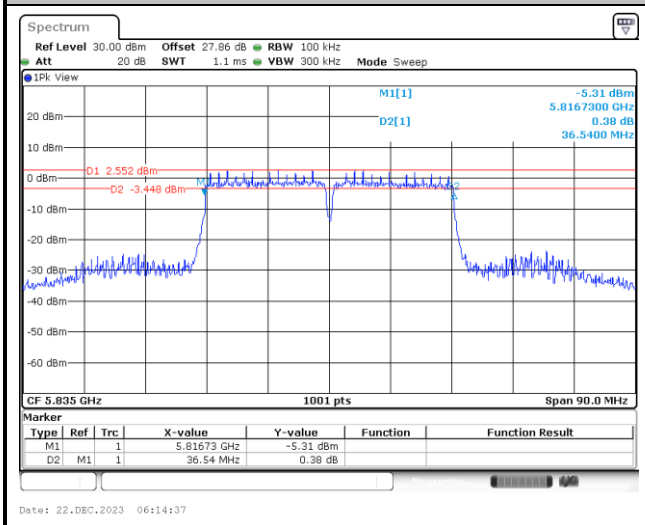
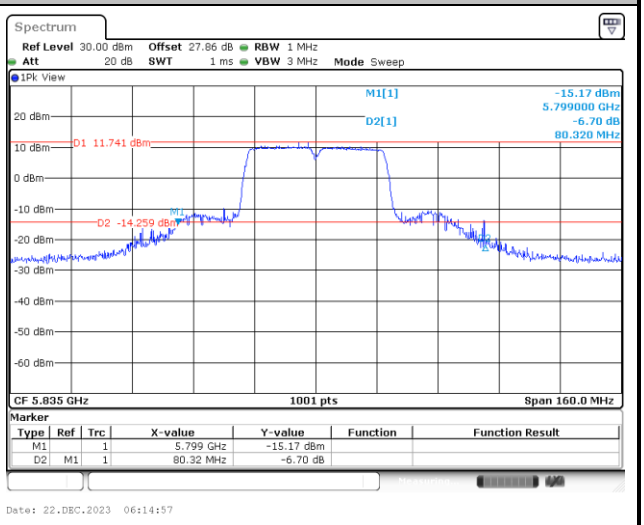
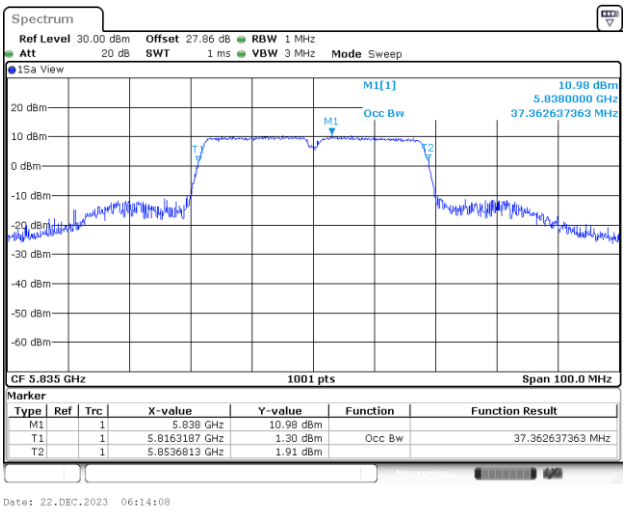
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11n HT20>

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

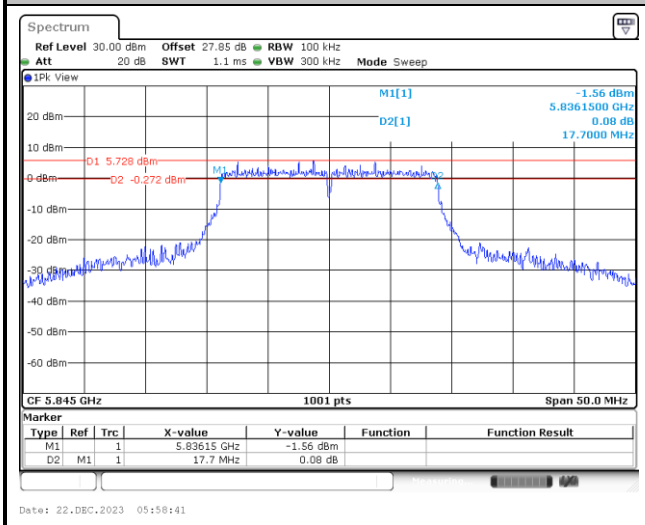
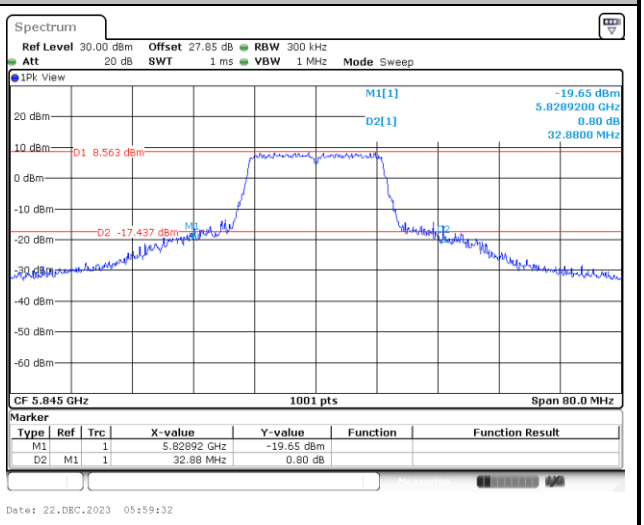
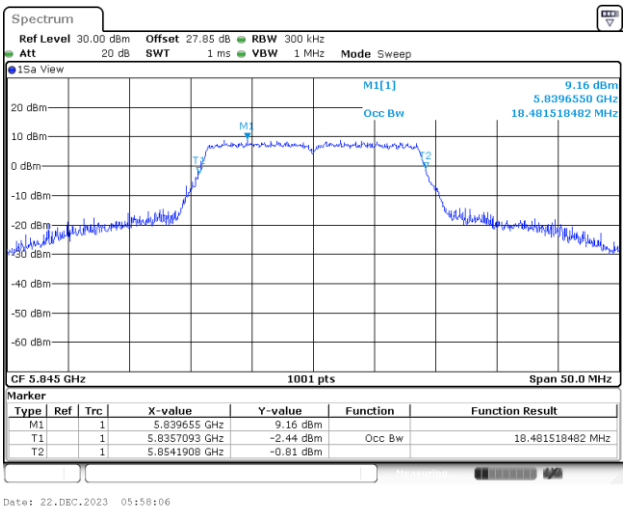
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11n HT40>

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

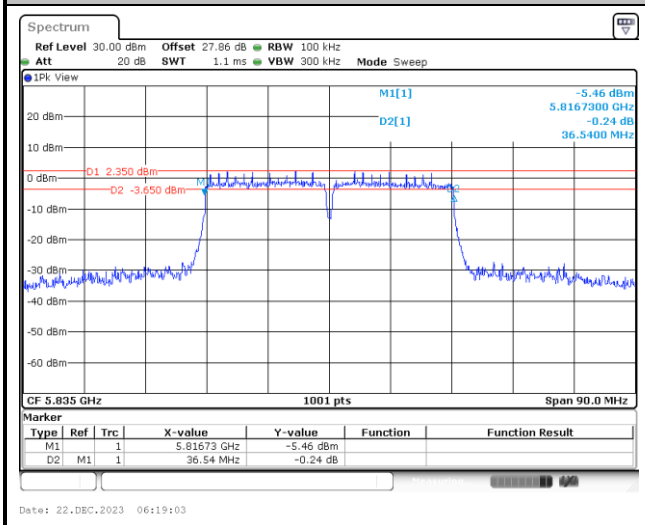
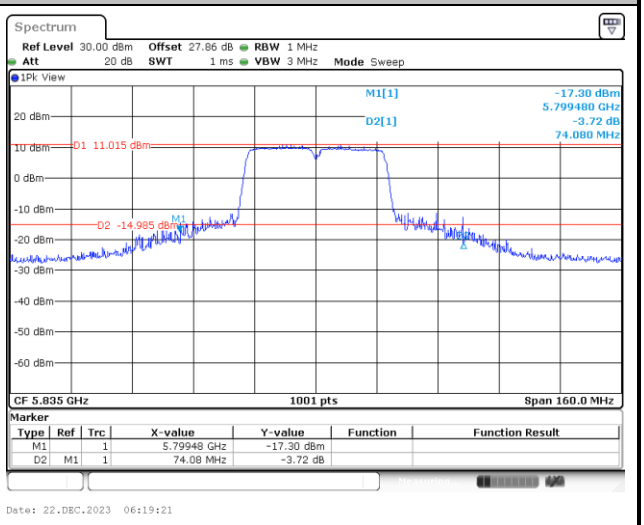
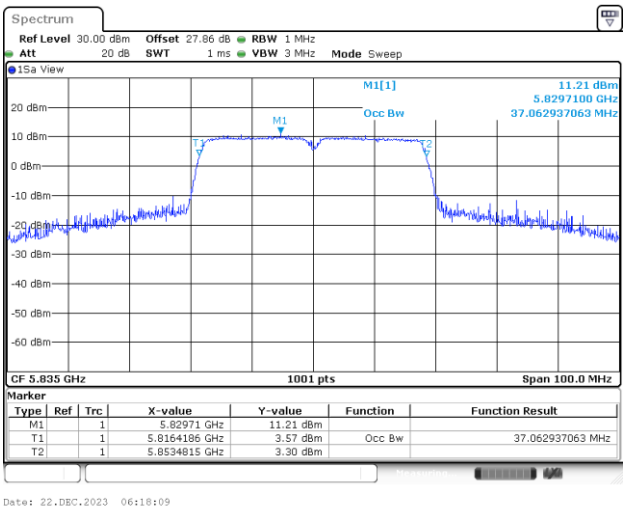
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ac VHT20>

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

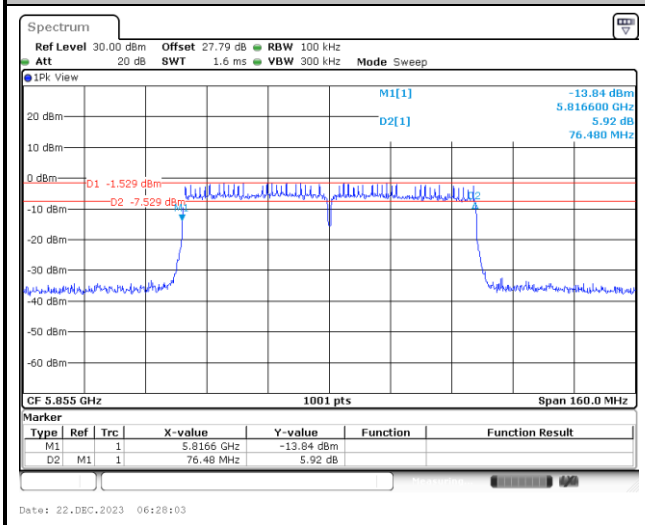
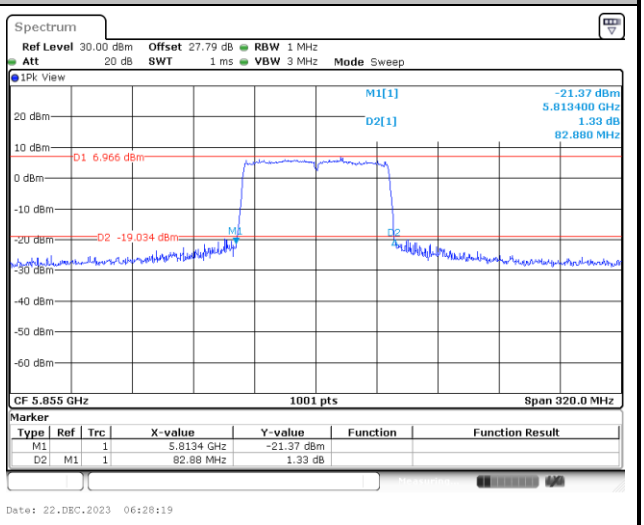
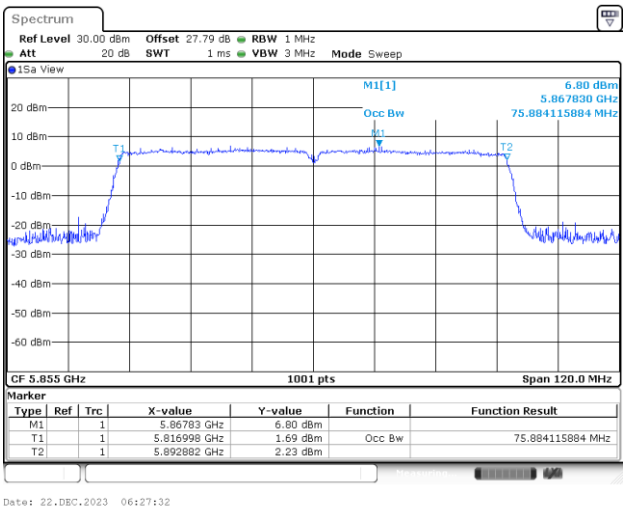
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ac VHT40>

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

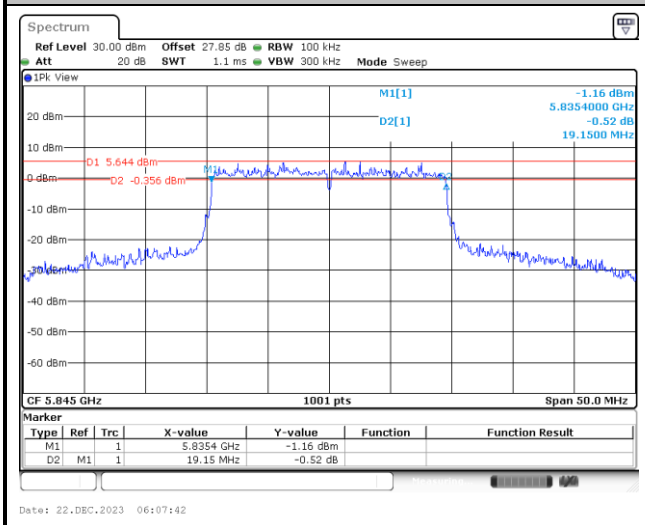
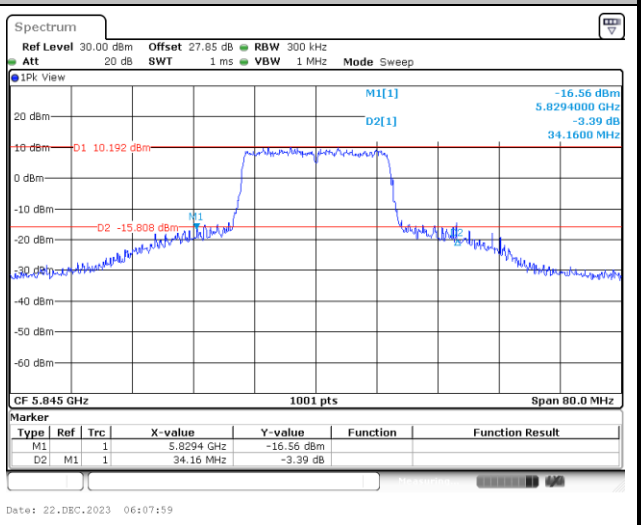
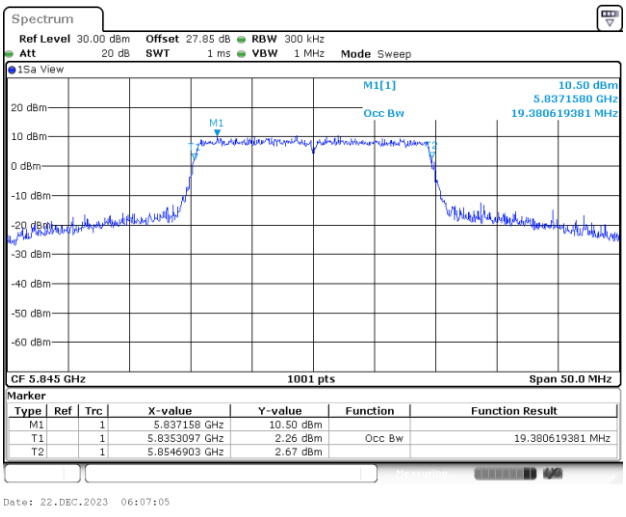
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ac VHT80>

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

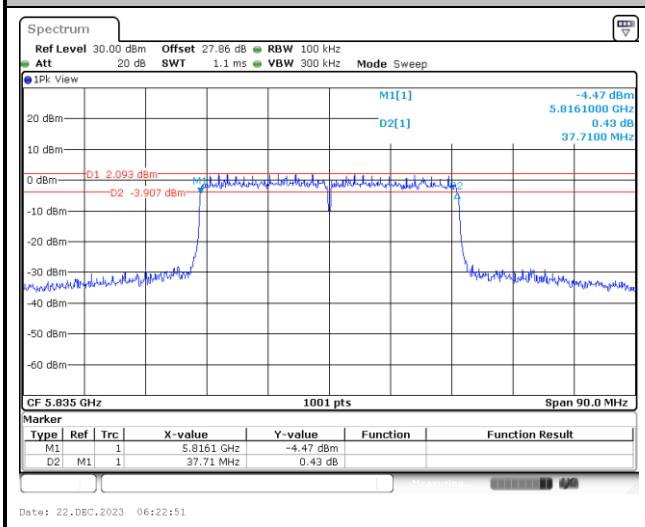
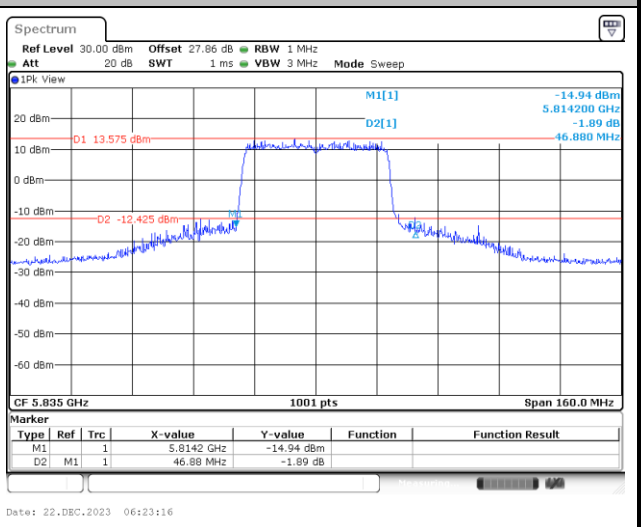
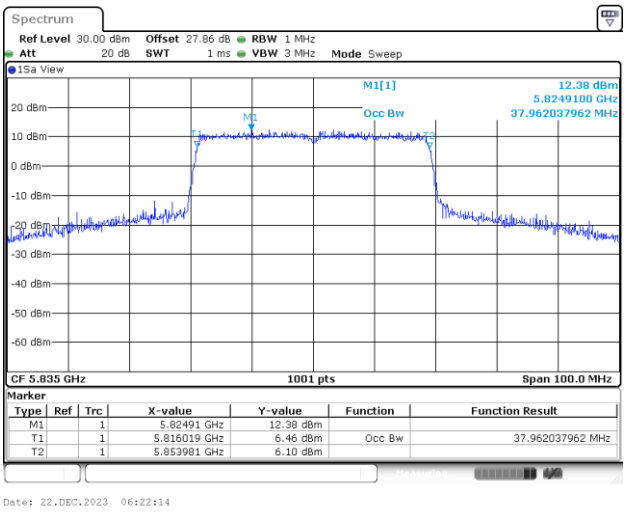
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ax HE20>

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

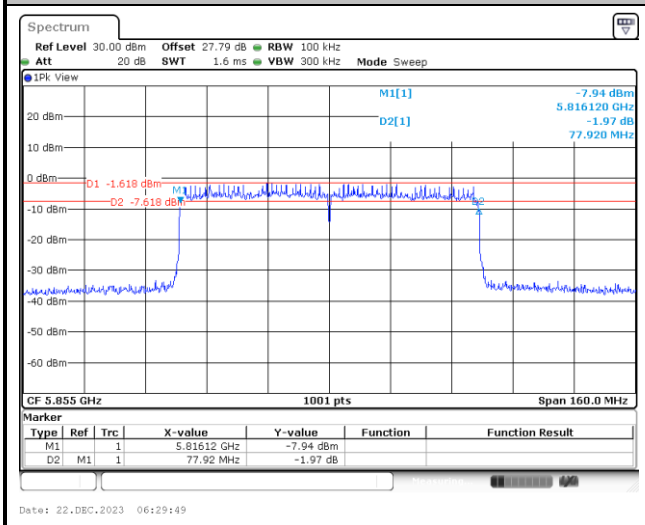
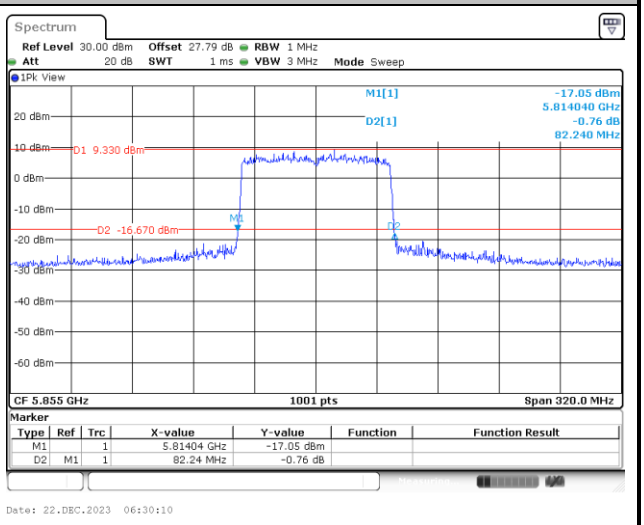
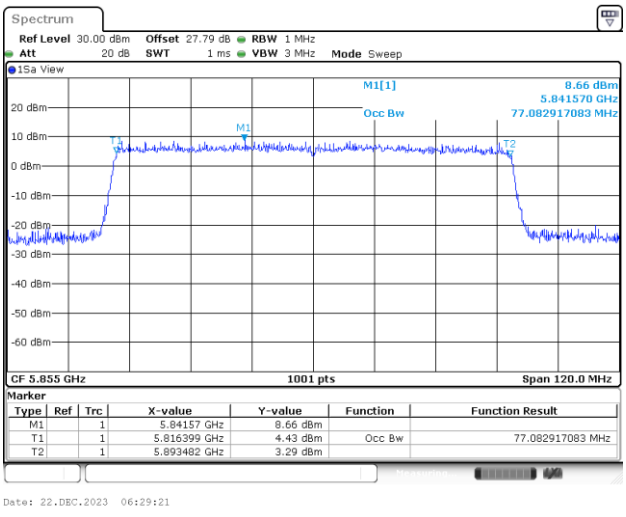
Note: The occupied channel bandwidth is maintained within the band of operation.

<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>

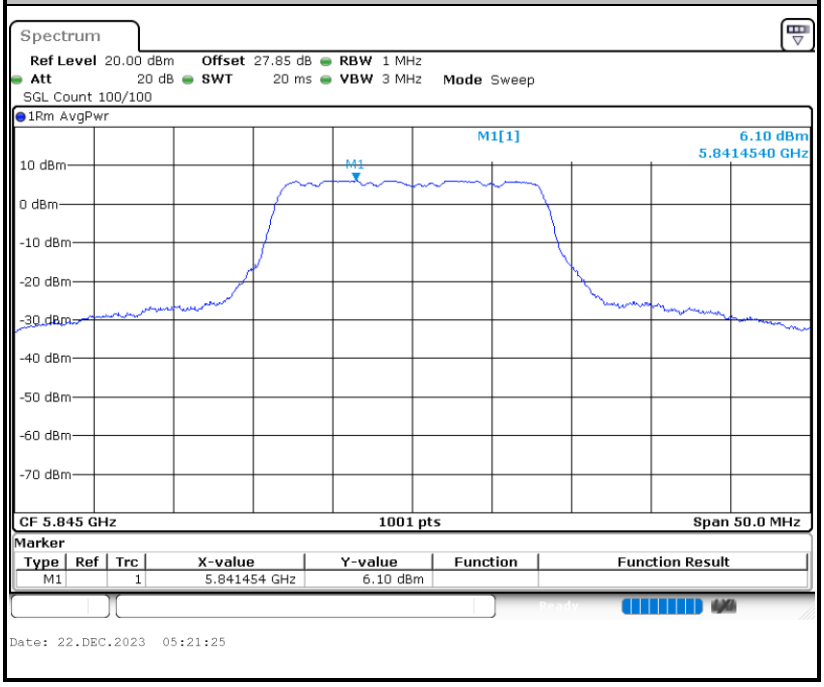
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

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

Test Result of Power Spectral Density

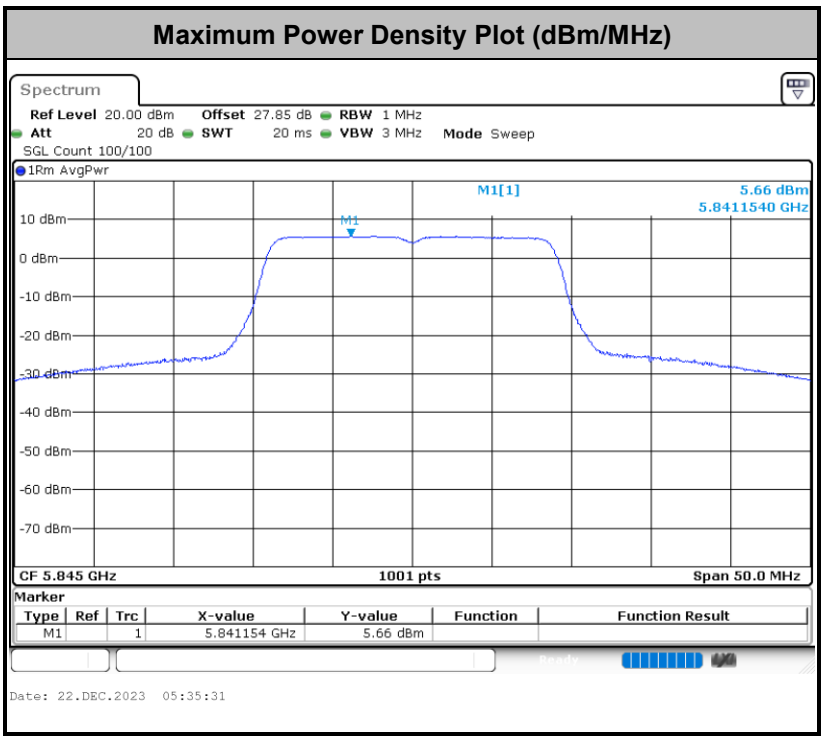
<802.11a>

Maximum Power Density Plot (dBm/MHz)



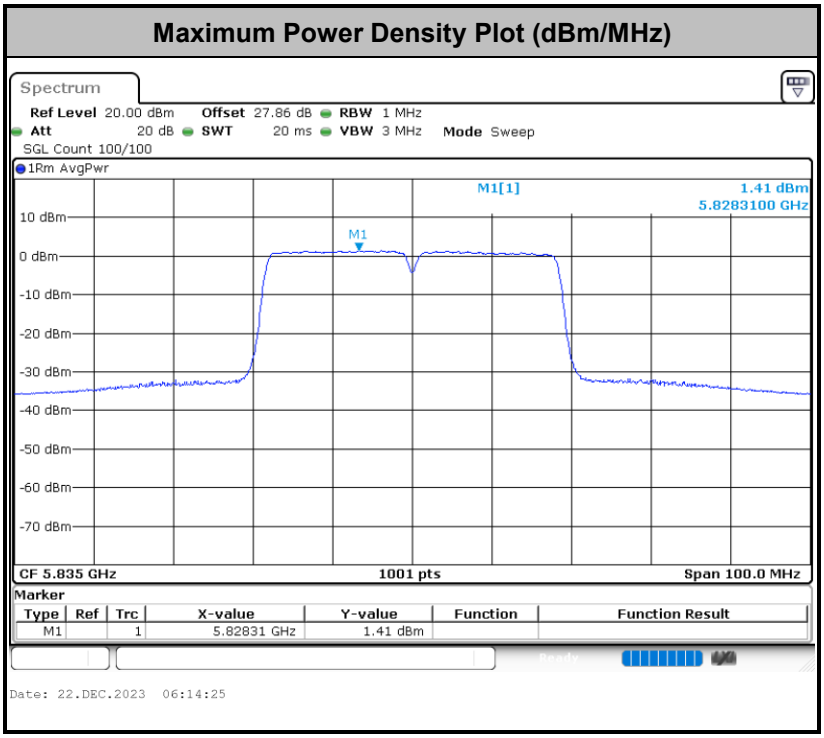
<802.11n HT20>

Maximum Power Density Plot (dBm/MHz)



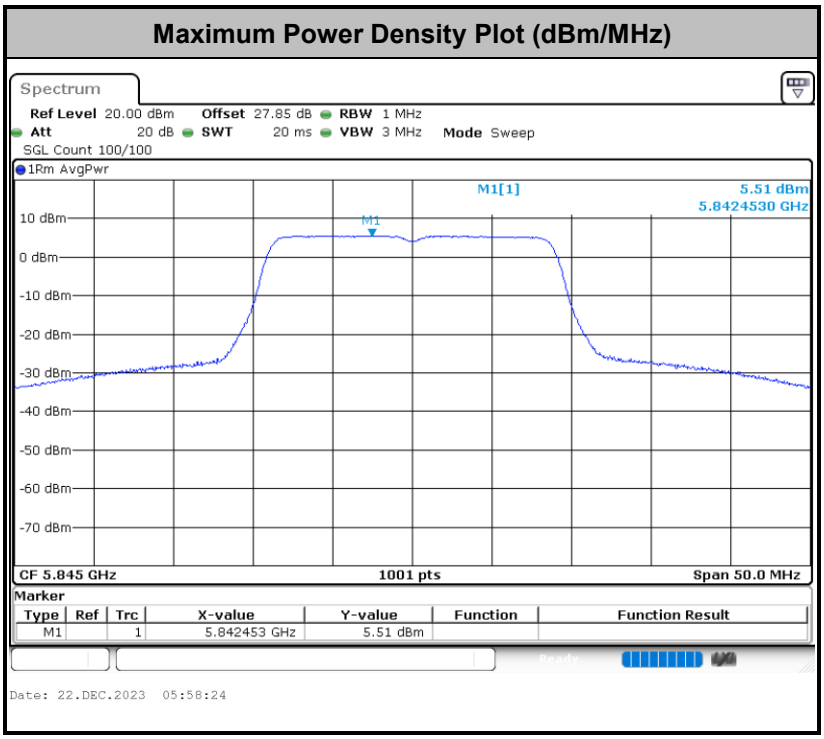
<802.11n HT40>

Maximum Power Density Plot (dBm/MHz)



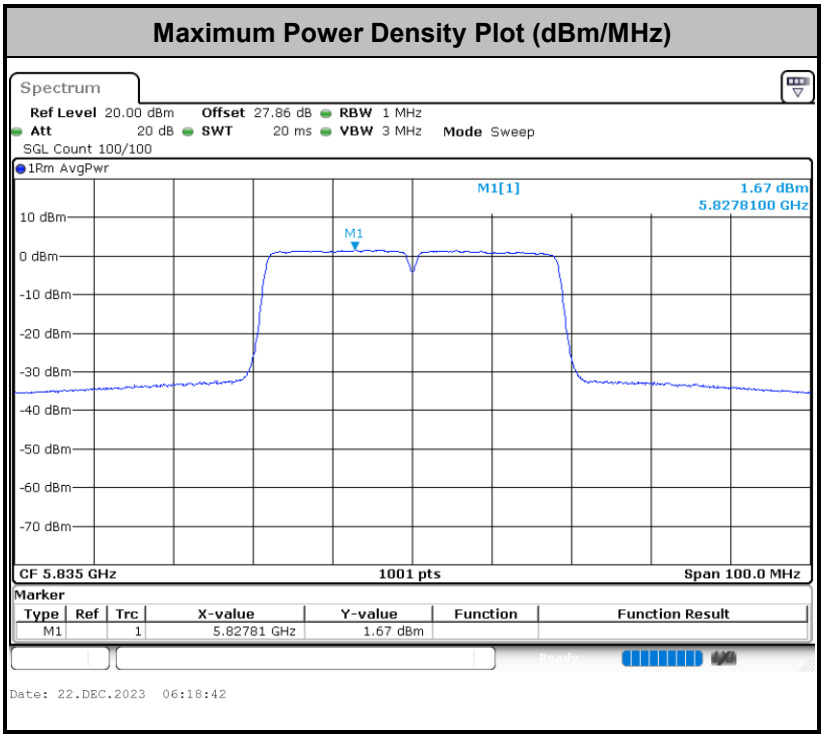
<802. 11ac VHT20>

Maximum Power Density Plot (dBm/MHz)



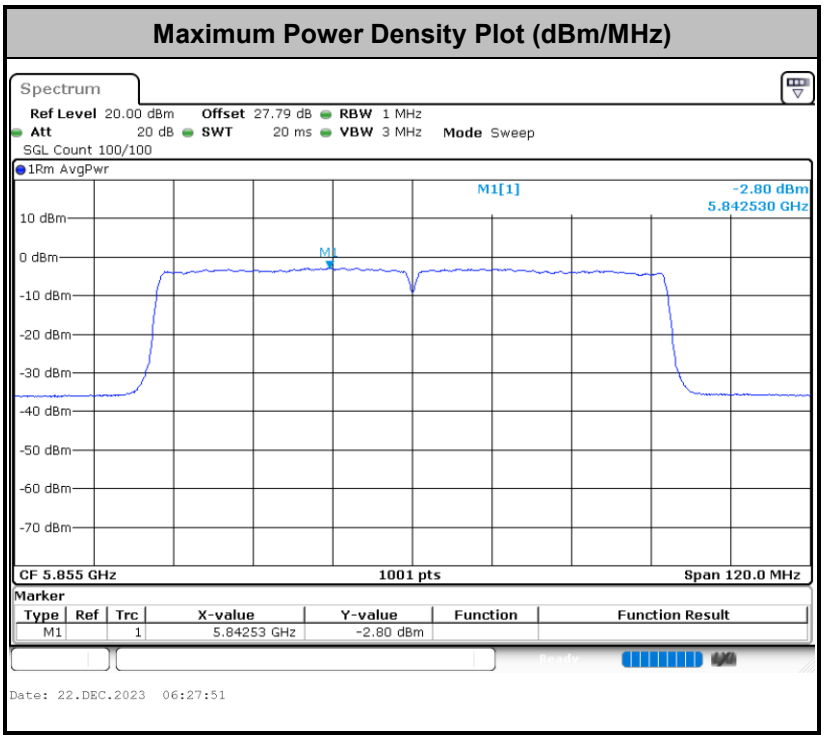
<802. 11ac VHT40>

Maximum Power Density Plot (dBm/MHz)



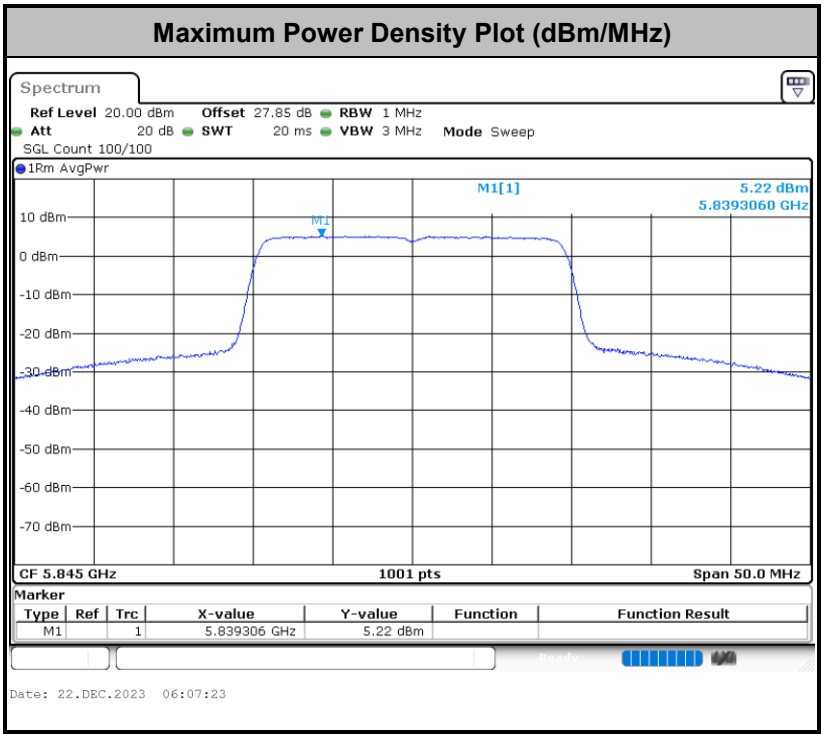
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)



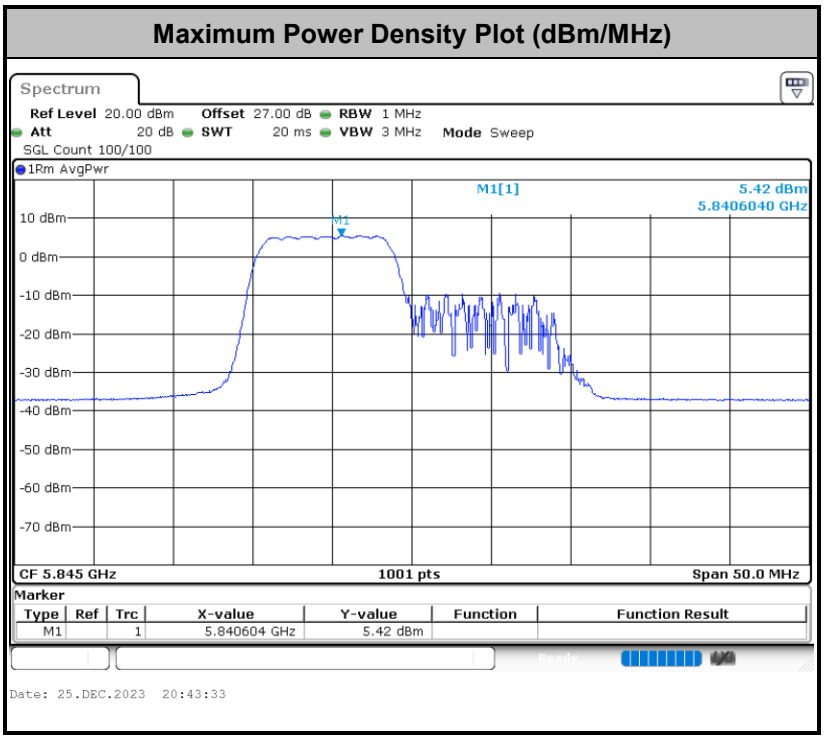
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)



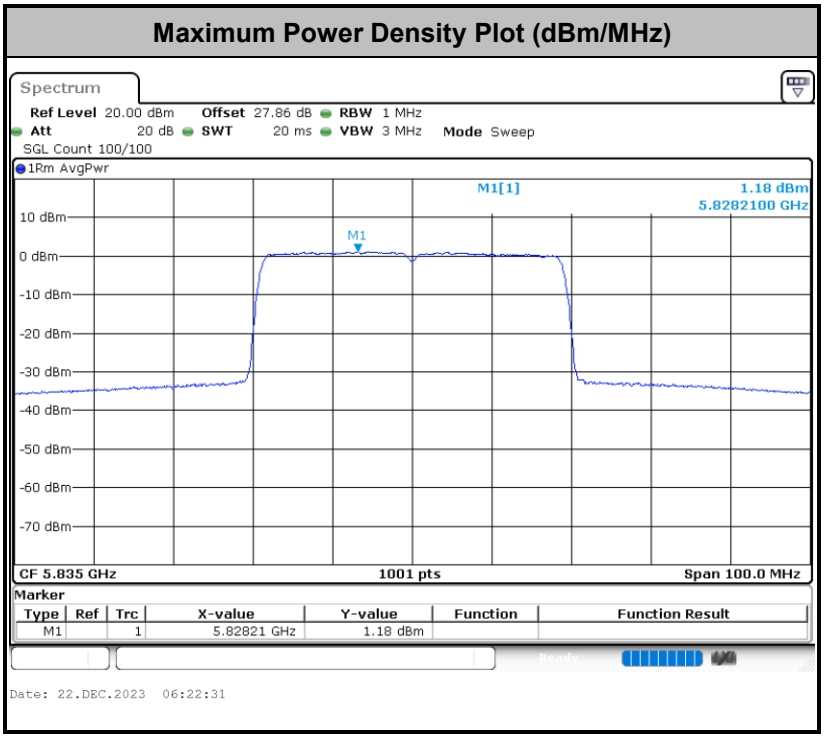
<802.11ax HE20 106RU>

Maximum Power Density Plot (dBm/MHz)



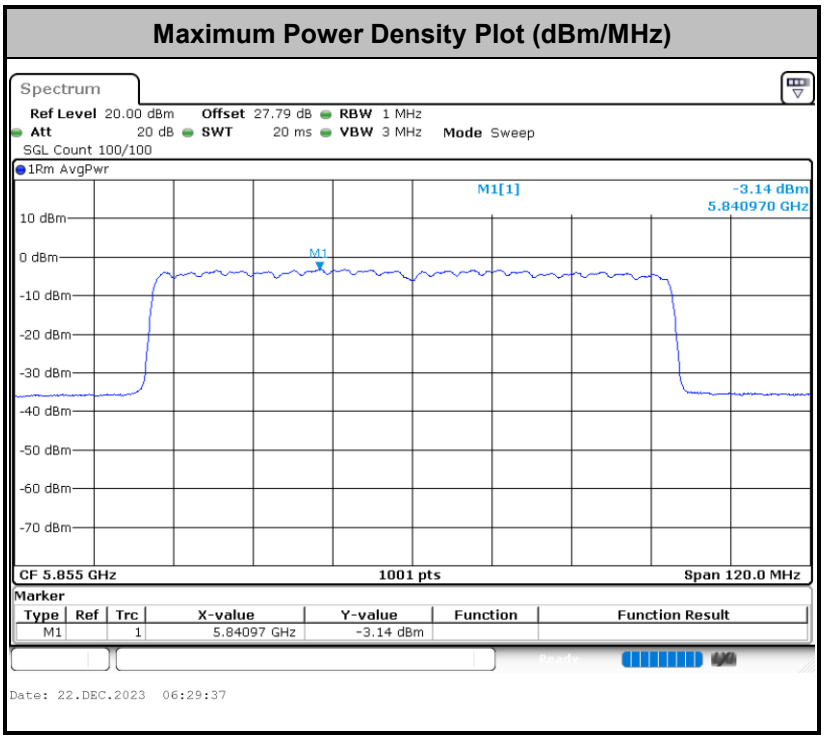
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)



<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)



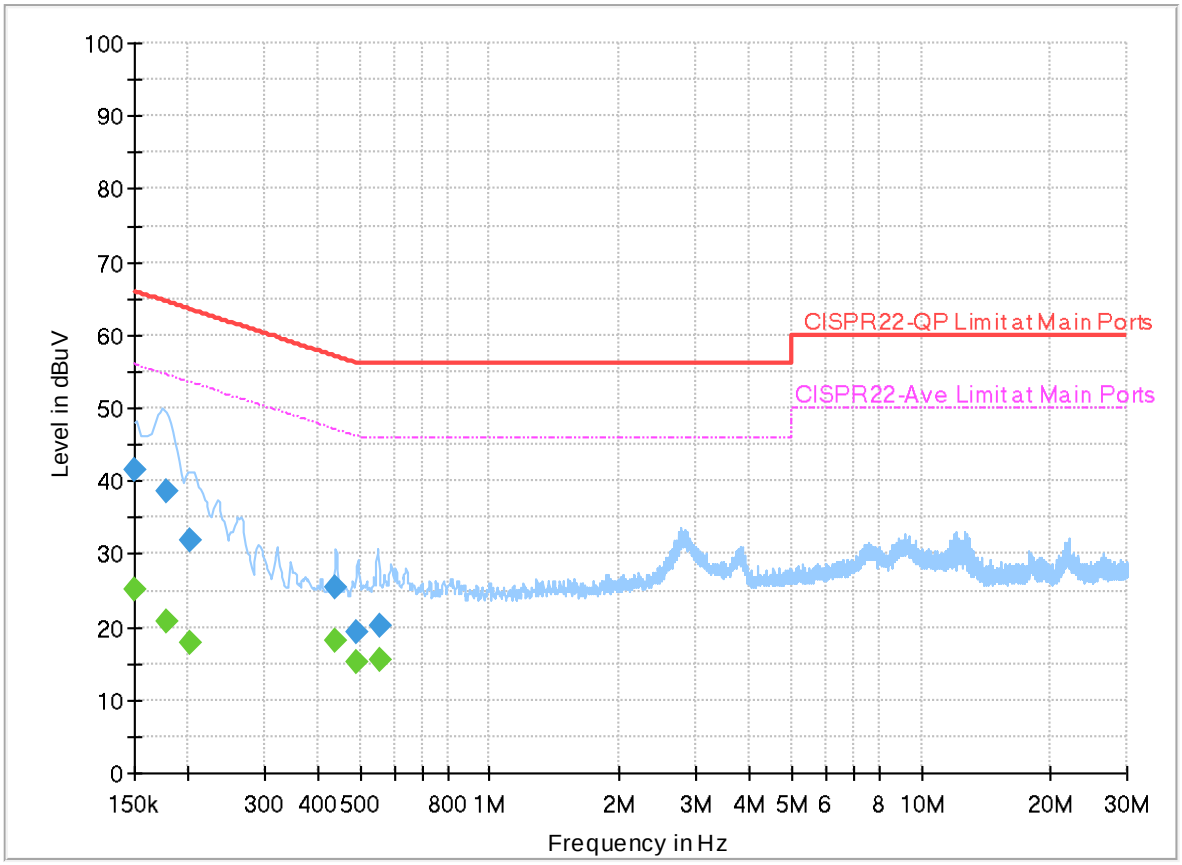
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	412509
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum

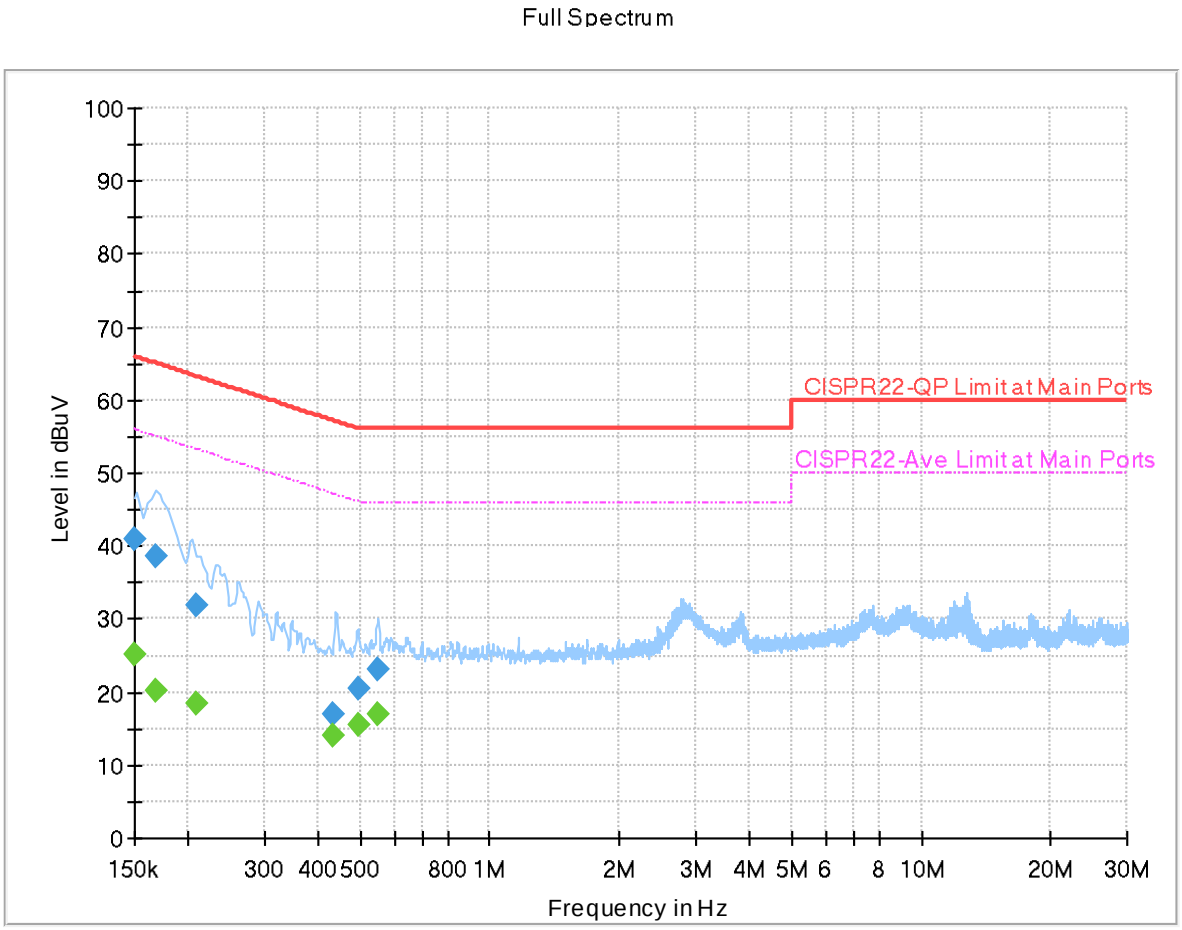


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	41.38	---	66.00	24.62	L1	OFF	19.9
0.150000	---	25.15	56.00	30.85	L1	OFF	19.9
0.177450	38.64	---	64.60	25.96	L1	OFF	19.9
0.177450	---	20.82	54.60	33.78	L1	OFF	19.9
0.201570	31.84	---	63.55	31.71	L1	OFF	19.9
0.201570	---	17.98	53.55	35.57	L1	OFF	19.9
0.439530	25.46	---	57.07	31.61	L1	OFF	19.9
0.439530	---	18.04	47.07	29.03	L1	OFF	19.9
0.491640	19.43	---	56.14	36.71	L1	OFF	19.9
0.491640	---	15.27	46.14	30.87	L1	OFF	19.9
0.553830	20.31	---	56.00	35.69	L1	OFF	19.9
0.553830	---	15.59	46.00	30.41	L1	OFF	19.9

EUT Information

Report NO :	412509
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)
0.150675	---	25.23	55.96	30.73	N	OFF	19.9
0.150675	40.98	---	65.96	24.98	N	OFF	19.9
0.168990	---	20.07	55.01	34.94	N	OFF	19.9
0.168990	38.60	---	65.01	26.41	N	OFF	19.9
0.208500	---	18.31	53.27	34.96	N	OFF	19.9
0.208500	32.01	---	63.27	31.26	N	OFF	19.9
0.433500	---	14.16	47.19	33.03	N	OFF	19.9
0.433500	16.90	---	57.19	40.29	N	OFF	19.9
0.497850	---	15.58	46.04	30.46	N	OFF	19.9
0.497850	20.33	---	56.04	35.71	N	OFF	19.9
0.549870	---	16.82	46.00	29.18	N	OFF	19.9
0.549870	23.08	---	56.00	32.92	N	OFF	19.9

Appendix B. Radiated Spurious Emission

Test Engineer :	Fu Chen, Sam Chou and Troye Hsieh	Temperature :	19.1~21.1°C
		Relative Humidity :	44.1~67.1%

UNII-4 - 5835~5885MHz

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		5642.775	50.63	-17.57	68.2	41.31	33.09	11.23	35	100	15	P	H
		5689.975	50.44	-47.37	97.81	40.72	33.42	11.27	34.97	100	15	P	H
		5711.51	50.2	-58.23	108.43	40.32	33.55	11.29	34.96	100	15	P	H
		5723.9	51.38	-68.31	119.69	41.43	33.6	11.3	34.95	100	15	P	H
	*	5845	100.79	-	-	90.34	33.99	11.34	34.88	100	15	P	H
	*	5845	93.21	-	-	82.76	33.99	11.34	34.88	100	15	P	H
		5901	51.87	-53.92	105.79	41.23	34.2	11.29	34.85	100	15	A	H
		5964.25	52.27	-35.93	88.2	41.56	34.27	11.25	34.81	100	15	P	H
		5895.5	42.58	-47.25	89.83	31.95	34.18	11.3	34.85	100	15	A	H
		5925.75	42.35	-25.85	68.2	31.65	34.25	11.28	34.83	100	15	A	H
		5613.57	50.05	-18.15	68.2	40.83	33.03	11.2	35.01	100	53	P	V
		5664.31	50.64	-28.18	78.82	41.16	33.21	11.25	34.98	100	53	P	V
		5704.43	51.53	-54.91	106.44	41.69	33.52	11.28	34.96	100	53	P	V
		5724.195	50.58	-69.78	120.36	40.63	33.6	11.3	34.95	100	53	P	V
	*	5845	106.55	-	-	96.1	33.99	11.34	34.88	100	53	P	V
	*	5845	97.95	-	-	87.5	33.99	11.34	34.88	100	53	P	V
		5896.25	54.75	-54.53	109.28	44.11	34.19	11.3	34.85	100	53	A	V
		5948.25	51.74	-36.46	88.2	41	34.3	11.26	34.82	100	53	P	V
		5895.5	43.58	-46.25	89.83	32.95	34.18	11.3	34.85	100	53	A	V
		5929.75	42.83	-25.37	68.2	32.13	34.26	11.27	34.83	100	53	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)
		5613.275	49.76	-18.44	68.2	40.54	33.03	11.2	35.01	100	31	P	H
		5676.7	49.91	-38.09	88	40.32	33.31	11.26	34.98	100	31	P	H
		5718	49.93	-60.31	110.24	40.01	33.57	11.3	34.95	100	31	P	H
		5721.835	50.2	-64.78	114.98	40.26	33.59	11.3	34.95	100	31	P	H
	*	5865	99.9	-	-	89.39	34.06	11.32	34.87	100	31	P	H
	*	5865	92.08	-	-	81.57	34.06	11.32	34.87	100	31	A	H
		5895.25	57.24	-52.78	110.02	46.61	34.18	11.3	34.85	100	31	P	H
		5931.25	53.41	-34.79	88.2	42.71	34.26	11.27	34.83	100	31	P	H
		5895.5	43.65	-46.18	89.83	33.02	34.18	11.3	34.85	100	31	A	H
		5927.5	42.43	-25.77	68.2	31.73	34.26	11.27	34.83	100	31	A	H
													H
802.11a CH 173 5865MHz													H
		5623.305	49.62	-18.58	68.2	40.37	33.05	11.21	35.01	100	52	P	V
		5670.505	50.89	-32.52	83.41	41.36	33.26	11.25	34.98	100	52	P	V
		5718	49.97	-60.27	110.24	40.05	33.57	11.3	34.95	100	52	P	V
		5721.54	50.66	-63.65	114.31	40.72	33.59	11.3	34.95	100	52	P	V
	*	5865	106.79	-	-	96.28	34.06	11.32	34.87	100	52	P	V
	*	5865	97.72	-	-	87.21	34.06	11.32	34.87	100	52	A	V
		5896.5	60.92	-48.18	109.1	50.28	34.19	11.3	34.85	100	52	P	V
		5934	52.85	-35.35	88.2	42.14	34.27	11.27	34.83	100	52	P	V
		5895	46.22	-43.98	90.2	35.59	34.18	11.3	34.85	100	52	A	V
		5925.75	43.13	-25.07	68.2	32.43	34.25	11.28	34.83	100	52	A	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)
		5649.265	49.72	-18.48	68.2	40.38	33.1	11.23	34.99	100	25	P	H
		5662.835	50.28	-27.45	77.73	40.82	33.2	11.25	34.99	100	25	P	H
		5709.15	50.41	-57.35	107.76	40.54	33.54	11.29	34.96	100	25	P	H
		5722.13	49.01	-66.65	115.66	39.07	33.59	11.3	34.95	100	25	P	H
	*	5885	100.33	-	-	89.74	34.14	11.31	34.86	100	25	P	H
	*	5885	92.52	-	-	81.93	34.14	11.31	34.86	100	25	A	H
		5895	81.64	-28.56	110.2	71.01	34.18	11.3	34.85	100	25	P	H
		5937.25	52.46	-35.74	88.2	41.75	34.27	11.27	34.83	100	25	P	H
		5895	70.3	-19.9	90.2	59.67	34.18	11.3	34.85	100	25	A	H
802.11a		5929	42.72	-25.48	68.2	32.02	34.26	11.27	34.83	100	25	A	H
CH 177													V
5885MHz		5642.185	49.95	-18.25	68.2	40.64	33.08	11.23	35	100	53	P	V
		5682.01	50.24	-41.68	91.92	40.59	33.36	11.26	34.97	100	53	P	V
		5709.74	50.99	-56.94	107.93	41.12	33.54	11.29	34.96	100	53	P	V
		5720.655	49.86	-62.43	112.29	39.93	33.58	11.3	34.95	100	53	P	V
	*	5885	106.65	-	-	96.06	34.14	11.31	34.86	100	53	P	V
	*	5885	97.78	-	-	87.19	34.14	11.31	34.86	100	53	A	V
		5895	88.12	-22.08	110.2	77.49	34.18	11.3	34.85	100	53	P	V
		5925.25	57.47	-30.73	88.2	46.77	34.25	11.28	34.83	100	53	P	V
		5895	75.73	-14.47	90.2	65.1	34.18	11.3	34.85	100	53	A	V
		5927.75	43.92	-24.28	68.2	33.22	34.26	11.27	34.83	100	53	A	V

Remark

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

Band 4 5835~5885MHz

WIFI 802.11a (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)
		11690	46.18	-27.82	74	51.27	38.6	18.08	61.77	-	-	P	H
		17535	45.61	-22.59	68.2	40.88	38.98	22.73	56.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 169 5845MHz													H
		11690	46.59	-27.41	74	51.68	38.6	18.08	61.77	-	-	P	V
		17535	46.22	-21.98	68.2	41.49	38.98	22.73	56.98	-	-	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)
		11730	45.53	-28.47	74	50.75	38.54	18.11	61.87	-	-	P	H
		17595	45.22	-22.98	68.2	40.23	39.1	22.76	56.87	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 173 5865MHz													H
		11730	45.53	-28.47	74	50.75	38.54	18.11	61.87	-	-	P	V
		17595	45.41	-22.79	68.2	40.42	39.1	22.76	56.87	-	-	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)
802.11a CH 177 5885MHz		11770	45.24	-28.76	74	50.56	38.5	61.98	18.16	-	-	P	H
		17655	46.74	-21.46	68.2	41.45	39.25	56.76	22.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11770	45.41	-28.59	74	50.73	38.5	61.98	18.16	-	-	P	V
		17655	45.87	-22.33	68.2	40.58	39.25	56.76	22.8	-	-	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.

Band 4 5835~5885MHz

WIFI 802.11n HT20 (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)
		5638.055	50.02	-18.18	68.2	40.72	33.08	11.22	35	100	33	P	H
		5671.39	51.14	-32.93	84.07	41.6	33.27	11.25	34.98	100	33	P	H
		5716.23	50.22	-59.53	109.75	40.32	33.56	11.29	34.95	100	33	P	H
		5723.31	50.23	-68.12	118.35	40.29	33.59	11.3	34.95	100	33	P	H
	*	5845	100.28	-	-	89.83	33.99	11.34	34.88	100	33	P	H
	*	5845	92.57	-	-	82.12	33.99	11.34	34.88	100	33	A	H
		5906.25	52.19	-49.75	101.94	41.53	34.21	11.29	34.84	100	33	P	H
		5974.25	51.76	-36.44	88.2	41.07	34.25	11.24	34.8	100	33	P	H
802.11n		5903.5	42.7	-41.26	83.96	32.05	34.21	11.29	34.85	100	33	A	H
HT20		5931.75	42.4	-25.8	68.2	31.7	34.26	11.27	34.83	100	33	A	H
CH 169		5621.24	50.8	-17.4	68.2	41.56	33.04	11.21	35.01	100	52	P	V
5845MHz		5682.895	50.23	-42.35	92.58	40.58	33.36	11.26	34.97	100	52	P	V
		5718	51.58	-58.66	110.24	41.66	33.57	11.3	34.95	100	52	P	V
		5723.015	50.54	-67.14	117.68	40.6	33.59	11.3	34.95	100	52	P	V
	*	5845	105.24	-	-	94.79	33.99	11.34	34.88	100	52	P	V
	*	5845	97.52	-	-	87.07	33.99	11.34	34.88	100	52	A	V
		5895.75	55.22	-54.43	109.65	44.59	34.18	11.3	34.85	100	52	P	V
		5929.75	52.48	-35.72	88.2	41.78	34.26	11.27	34.83	100	52	P	V
		5895.5	43.62	-46.21	89.83	32.99	34.18	11.3	34.85	100	52	A	V
		5925	42.89	-25.31	68.2	32.19	34.25	11.28	34.83	100	52	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		5629.5	49.66	-18.54	68.2	40.38	33.06	11.22	35	100	24	P	H
		5672.57	50.32	-34.62	84.94	40.76	33.28	11.26	34.98	100	24	P	H
		5708.56	51.15	-56.45	107.6	41.29	33.53	11.29	34.96	100	24	P	H
		5720.36	49.55	-62.07	111.62	39.62	33.58	11.3	34.95	100	24	P	H
	*	5885	100.22	-	-	89.63	34.14	11.31	34.86	100	24	P	H
	*	5885	92.38	-	-	81.79	34.14	11.31	34.86	100	24	A	H
		5895	86.86	-23.34	110.2	76.23	34.18	11.3	34.85	100	24	P	H
		5982.5	52.31	-35.89	88.2	41.64	34.24	11.23	34.8	100	24	P	H
		5895	73.47	-16.73	90.2	62.84	34.18	11.3	34.85	100	24	A	H
		5927.25	42.73	-25.47	68.2	32.04	34.25	11.27	34.83	100	24	A	H
		5608.85	50.03	-18.17	68.2	40.83	33.02	11.2	35.02	100	52	P	V
		5679.355	49.85	-40.11	89.96	40.24	33.33	11.26	34.98	100	52	P	V
		5703.25	50.63	-55.48	106.11	40.8	33.51	11.28	34.96	100	52	P	V
		5724.195	49.91	-70.45	120.36	39.96	33.6	11.3	34.95	100	52	P	V
	*	5885	104.85	-	-	94.26	34.14	11.31	34.86	100	52	P	V
	*	5885	97.19	-	-	86.6	34.14	11.31	34.86	100	52	A	V
		5895	90.53	-19.67	110.2	79.9	34.18	11.3	34.85	100	52	P	V
		5940	54.99	-33.21	88.2	44.26	34.28	11.27	34.82	100	52	P	V
		5895	78.57	-11.63	90.2	67.94	34.18	11.3	34.85	100	52	A	V
		5925.25	44.18	-24.02	68.2	33.48	34.25	11.28	34.83	100	52	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5835~5885MHz

WIFI 802.11n HT20 (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)
		11730	45.81	-28.19	74	51.03	38.54	18.11	61.87	-	-	P	H
		17595	46.34	-21.86	68.2	41.35	39.1	22.76	56.87	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 173		11730	45.13	-28.87	74	50.35	38.54	18.11	61.87	-	-	P	V
5885MHz		17595	45.53	-22.67	68.2	40.54	39.1	22.76	56.87	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Band 4 5835~5885MHz

WIFI 802.11ac VHT20 (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)
		5627.14	49.63	-18.57	68.2	40.38	33.05	11.21	35.01	100	33	P	H
		5669.03	50.2	-32.12	82.32	40.68	33.25	11.25	34.98	100	33	P	H
		5708.855	50.34	-57.34	107.68	40.47	33.54	11.29	34.96	100	33	P	H
		5720.95	49.35	-63.62	112.97	39.42	33.58	11.3	34.95	100	33	P	H
	*	5845	100.23	-	-	89.78	33.99	11.34	34.88	100	33	P	H
	*	5845	92.54	-	-	82.09	33.99	11.34	34.88	100	33	A	H
		5895.5	52.3	-57.53	109.83	41.67	34.18	11.3	34.85	100	33	P	H
		5987	51.92	-36.28	88.2	41.26	34.23	11.23	34.8	100	33	P	H
802.11ac		5899.25	42.63	-44.45	87.08	31.98	34.2	11.3	34.85	100	33	A	H
VHT20		5926.25	42.37	-25.83	68.2	31.67	34.25	11.28	34.83	100	33	A	H
CH 169		5617.11	50.24	-17.96	68.2	41.01	33.03	11.21	35.01	100	51	P	V
5845MHz		5659	50.1	-24.78	74.88	40.68	33.17	11.24	34.99	100	51	P	V
		5706.79	50.93	-56.17	107.1	41.07	33.53	11.29	34.96	100	51	P	V
		5724.195	50.45	-69.91	120.36	40.5	33.6	11.3	34.95	100	51	P	V
	*	5845	104.47	36.27	-	-	33.99	11.34	34.88	100	51	P	V
	*	5845	96.92	42.92	-	-	33.99	11.34	34.88	100	51	A	V
		5900.75	54.45	-51.52	105.97	43.81	34.2	11.29	34.85	100	51	P	V
		5942.25	52	-36.2	88.2	41.28	34.28	11.26	34.82	100	51	P	V
		5895.25	43.5	-46.52	90.02	32.87	34.18	11.3	34.85	100	51	A	V
		5932.5	42.92	-25.28	68.2	32.22	34.26	11.27	34.83	100	51	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	50.57	-17.63	68.2	41.3	33.06	11.22	35.01	100	24	P	H
		5677.585	50.75	-37.9	88.65	41.15	33.32	11.26	34.98	100	24	P	H
		5704.725	49.7	-56.82	106.52	39.86	33.52	11.28	34.96	100	24	P	H
		5724.785	50.16	-71.55	121.71	40.21	33.6	11.3	34.95	100	24	P	H
	*	5885	100.01	-	-	89.42	34.14	11.31	34.86	100	24	P	H
	*	5885	92.37	-	-	81.78	34.14	11.31	34.86	100	24	A	H
		5895	86.04	-24.16	110.2	75.41	34.18	11.3	34.85	100	24	P	H
		5931	52.13	-36.07	88.2	41.43	34.26	11.27	34.83	100	24	P	H
802.11ac		5895	73.3	-16.9	90.2	62.67	34.18	11.3	34.85	100	24	A	H
VHT20		5928.25	42.57	-25.63	68.2	31.87	34.26	11.27	34.83	100	24	A	H
CH 177		5646.02	50.81	-17.39	68.2	41.49	33.09	11.23	35	100	52	P	V
5885MHz		5687.32	51.69	-44.16	95.85	41.99	33.4	11.27	34.97	100	52	P	V
		5707.38	49.53	-57.74	107.27	39.67	33.53	11.29	34.96	100	52	P	V
		5720.36	50.42	-61.2	111.62	40.49	33.58	11.3	34.95	100	52	P	V
	*	5885	104.85	-	-	94.26	34.14	11.31	34.86	100	52	P	V
	*	5885	97.19	-	-	86.6	34.14	11.31	34.86	100	52	A	V
		5895	90.86	-19.34	110.2	80.23	34.18	11.3	34.85	100	52	P	V
		5928.5	55.05	-33.15	88.2	44.35	34.26	11.27	34.83	100	52	P	V
		5895	78.02	-12.18	90.2	67.39	34.18	11.3	34.85	100	52	A	V
		5925.25	44.23	-23.97	68.2	33.53	34.25	11.28	34.83	100	52	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5835~5885MHz

WIFI 802.11ac VHT20 (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)
		11730	46.1	-27.9	74	51.32	38.54	18.11	61.87	-	-	P	H
		17595	45.38	-22.82	68.2	40.39	39.1	22.76	56.87	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT20													H
CH 173		11730	45	-29	74	50.22	38.54	18.11	61.87	-	-	P	V
5885MHz		17595	45.6	-22.6	68.2	40.61	39.1	22.76	56.87	-	-	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.

Band 4 5835~5885MHz

WIFI 802.11ac VHT40 (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)
		5630.09	49.26	-18.94	68.2	39.98	33.06	11.22	35	100	32	P	H
		5655.46	50.28	-21.98	72.26	40.89	33.14	11.24	34.99	100	32	P	H
		5718	50.35	-59.89	110.24	40.43	33.57	11.3	34.95	100	32	P	H
		5725.08	49.76	-84.44	134.2	39.81	33.6	11.3	34.95	100	32	P	H
	*	5835	96.57	-	-	86.15	33.97	11.34	34.89	100	32	P	H
	*	5835	88.8	-	-	78.38	33.97	11.34	34.89	100	32	A	H
		5907.75	54.3	-46.54	100.84	43.63	34.22	11.29	34.84	100	32	P	H
		5948	52.03	-36.17	88.2	41.29	34.3	11.26	34.82	100	32	P	H
		5895	43.19	-47.01	90.2	32.56	34.18	11.3	34.85	100	32	A	H
		5927	42.55	-25.65	68.2	31.86	34.25	11.27	34.83	100	32	A	H
802.11ac													H
VHT40													H
CH 167		5649.56	49.79	-18.41	68.2	40.45	33.1	11.23	34.99	100	54	P	V
5835MHz		5692.335	51.21	-48.34	99.55	41.47	33.44	11.27	34.97	100	54	P	V
		5705.905	51.58	-55.28	106.86	41.73	33.52	11.29	34.96	100	54	P	V
		5721.835	51.37	-63.61	114.98	41.43	33.59	11.3	34.95	100	54	P	V
	*	5835	101.05	-	-	90.63	33.97	11.34	34.89	100	54	P	V
	*	5835	93.63	-	-	83.21	33.97	11.34	34.89	100	54	A	V
		5900.75	57.6	-48.37	105.97	46.96	34.2	11.29	34.85	100	54	P	V
		5942.5	52.51	-35.69	88.2	41.79	34.28	11.26	34.82	100	54	P	V
		5896	45.38	-44.08	89.46	34.75	34.18	11.3	34.85	100	54	A	V
		5928.5	43.34	-24.86	68.2	32.64	34.26	11.27	34.83	100	54	A	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)
		5603.835	50.5	-17.7	68.2	41.32	33.01	11.19	35.02	100	33	P	H
		5697.645	50.65	-52.81	103.46	40.86	33.48	11.28	34.97	100	33	P	H
		5716.82	49.97	-59.94	109.91	40.05	33.57	11.3	34.95	100	33	P	H
		5721.835	49.18	-65.8	114.98	39.24	33.59	11.3	34.95	100	33	P	H
	*	5875	95.49	-	-	84.94	34.1	11.31	34.86	100	33	P	H
	*	5875	87.84	-	-	77.29	34.1	11.31	34.86	100	33	A	H
		5895	70.42	-39.78	110.2	59.79	34.18	11.3	34.85	100	33	P	H
		5940.25	54.9	-33.3	88.2	44.18	34.28	11.26	34.82	100	33	P	H
		5895	59.14	-31.06	90.2	48.51	34.18	11.3	34.85	100	33	A	H
		5925.75	43.69	-24.51	68.2	32.99	34.25	11.28	34.83	100	33	A	H
802.11ac													H
VHT40													H
CH 175		5611.505	50.04	-18.16	68.2	40.84	33.02	11.2	35.02	100	53	P	V
5875MHz		5698.53	50.33	-53.79	104.12	40.52	33.49	11.28	34.96	100	53	P	V
		5713.28	51.12	-57.8	108.92	41.24	33.55	11.29	34.96	100	53	P	V
		5723.015	50.54	-67.14	117.68	40.6	33.59	11.3	34.95	100	53	P	V
	*	5875	101.42	-	-	90.87	34.1	11.31	34.86	100	53	P	V
	*	5875	93.62	-	-	83.07	34.1	11.31	34.86	100	53	A	V
		5895.5	78.29	-31.54	109.83	67.66	34.18	11.3	34.85	100	53	P	V
		5925.25	60.51	-27.69	88.2	49.81	34.25	11.28	34.83	100	53	P	V
		5895	64.55	-25.65	90.2	53.92	34.18	11.3	34.85	100	53	A	V
		5925	46.81	-21.39	68.2	36.11	34.25	11.28	34.83	100	53	A	V
													V
													V

Remark

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

Band 4 5835~5885MHz

WIFI 802.11ac VHT40 (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	44.94	-29.06	74	49.98	38.6	18.07	61.71	-	-	P	H
		17505	44.37	-23.83	68.2	39.95	38.74	22.72	57.04	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 167		11670	45.22	-28.78	74	50.26	38.6	18.07	61.71	-	-	P	V
5835MHz		17505	44.47	-23.73	68.2	40.05	38.74	22.72	57.04	-	-	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	45.19	-28.81	74	50.47	38.5	18.14	61.92	-	-	P	H
		17625	46.24	-21.96	68.2	41.12	39.15	22.79	56.82	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 175		11750	45.86	-28.14	74	51.14	38.5	18.14	61.92	-	-	P	V
5875MHz		17625	45.65	-22.55	68.2	40.53	39.15	22.79	56.82	-	-	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.

Band 4 5835~5885MHz

WIFI 802.11ac VHT80 (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)
		5606.49	50.15	-18.05	68.2	40.96	33.01	11.2	35.02	100	33	P	H
		5660.77	50.19	-26.01	76.2	40.75	33.19	11.24	34.99	100	33	P	H
		5703.25	51.7	-54.41	106.11	41.87	33.51	11.28	34.96	100	33	P	H
		5724.195	49.94	-70.42	120.36	39.99	33.6	11.3	34.95	100	33	P	H
	*	5855	93.25	-	-	82.77	34.02	11.33	34.87	100	33	P	H
	*	5855	84.78	-	-	74.3	34.02	11.33	34.87	100	33	A	H
		5895	68.48	-41.72	110.2	57.85	34.18	11.3	34.85	100	33	P	H
		5936	56.82	-31.38	88.2	46.11	34.27	11.27	34.83	100	33	P	H
		5895	57.28	-32.92	90.2	46.65	34.18	11.3	34.85	100	33	A	H
		5927.5	44.29	-23.91	68.2	33.59	34.26	11.27	34.83	100	33	A	H
802.11ac													H
VHT80													H
CH 171		5642.775	50.51	-17.69	68.2	41.19	33.09	11.23	35	100	52	P	V
5855MHz		5651.33	51.66	-17.53	69.19	42.3	33.11	11.24	34.99	100	52	P	V
		5710.92	50.68	-57.58	108.26	40.81	33.54	11.29	34.96	100	52	P	V
		5720.36	51.16	-60.46	111.62	41.23	33.58	11.3	34.95	100	52	P	V
	*	5855	97.4	-	-	86.92	34.02	11.33	34.87	100	52	P	V
	*	5855	89.62	-	-	79.14	34.02	11.33	34.87	100	52	A	V
		5895	75.33	-34.87	110.2	64.7	34.18	11.3	34.85	100	52	P	V
		5938.25	59.74	-28.46	88.2	49.02	34.28	11.27	34.83	100	52	P	V
		5895	62.57	-27.63	90.2	51.94	34.18	11.3	34.85	100	52	A	V
		5925.5	47.95	-20.25	68.2	37.25	34.25	11.28	34.83	100	52	A	V
													V
													V

Remark

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

Band 4 5835~5885MHz

WIFI 802.11ac VHT80 (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	45.74	-28.26	74	50.88	38.58	18.1	61.82	-	-	P	H
		17565	46.11	-22.09	68.2	41.19	39.1	22.75	56.93	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac VHT80 CH 171 5855MHz													H
													H
		11710	45.48	-28.52	74	50.62	38.58	18.1	61.82	-	-	P	V
		17565	45.71	-22.49	68.2	40.79	39.1	22.75	56.93	-	-	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.

Band 4 5835~5885MHz

WIFI 802.11ax HE20_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)
		5624.485	49.72	-18.48	68.2	40.47	33.05	11.21	35.01	100	32	P	H
		5675.225	50.84	-36.07	86.91	41.26	33.3	11.26	34.98	100	32	P	H
		5717.705	50.5	-59.66	110.16	40.58	33.57	11.3	34.95	100	32	P	H
		5725	50.91	-71.29	122.2	40.96	33.6	11.3	34.95	100	32	P	H
	*	5845	100.53	-	-	90.08	33.99	11.34	34.88	100	32	P	H
	*	5845	92.38	-	-	81.93	33.99	11.34	34.88	100	32	A	H
		5906.25	52.41	-49.53	101.94	41.75	34.21	11.29	34.84	100	32	P	H
		5934	51.95	-36.25	88.2	41.24	34.27	11.27	34.83	100	32	P	H
802.11ax		5900.25	42.37	-43.97	86.34	31.73	34.2	11.29	34.85	100	32	A	H
HE20 Full		5931.75	42.09	-26.11	68.2	31.39	34.26	11.27	34.83	100	32	A	H
CH 169		5601.18	50.38	-17.82	68.2	41.21	33	11.19	35.02	100	52	P	V
5845MHz		5673.16	50.51	-34.87	85.38	40.94	33.29	11.26	34.98	100	52	P	V
		5709.74	51.66	-56.27	107.93	41.79	33.54	11.29	34.96	100	52	P	V
		5720.95	49.69	-63.28	112.97	39.76	33.58	11.3	34.95	100	52	P	V
	*	5845	106.05	-	-	95.6	33.99	11.34	34.88	100	52	P	V
	*	5845	97.12	-	-	86.67	33.99	11.34	34.88	100	52	A	V
		5898	53.09	-54.9	107.99	42.45	34.19	11.3	34.85	100	52	P	V
		5956.75	53.71	-34.49	88.2	42.99	34.29	11.25	34.82	100	52	P	V
		5895.25	43.47	-46.55	90.02	32.84	34.18	11.3	34.85	100	52	A	V
		5926	42.6	-25.6	68.2	31.9	34.25	11.28	34.83	100	52	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)
		5637.17	49.26	-18.94	68.2	39.97	33.07	11.22	35	100	24	P	H
		5669.915	50.09	-32.89	82.98	40.56	33.26	11.25	34.98	100	24	P	H
		5719.77	50.22	-60.52	110.74	40.29	33.58	11.3	34.95	100	24	P	H
		5720.36	50.04	-61.58	111.62	40.11	33.58	11.3	34.95	100	24	P	H
	*	5865	100.76	-	-	90.25	34.06	11.32	34.87	100	24	P	H
	*	5865	91.39	-	-	80.88	34.06	11.32	34.87	100	24	A	H
		5895.5	57.11	-52.72	109.83	46.48	34.18	11.3	34.85	100	24	P	H
		5925.75	52.79	-35.41	88.2	42.09	34.25	11.28	34.83	100	24	P	H
		5895.25	44.36	-45.66	90.02	33.73	34.18	11.3	34.85	100	24	A	H
		5931.5	42.16	-26.04	68.2	31.46	34.26	11.27	34.83	100	24	A	H
802.11ax													H
HE20 Full													H
CH 173		5623.305	50.54	-17.66	68.2	41.29	33.05	11.21	35.01	100	52	P	V
5885MHz		5694.99	51.54	-49.97	101.51	41.77	33.46	11.28	34.97	100	52	P	V
		5708.56	51.02	-56.58	107.6	41.16	33.53	11.29	34.96	100	52	P	V
		5720.655	50.17	-62.12	112.29	40.24	33.58	11.3	34.95	100	52	P	V
	*	5865	106.96	-	-	96.45	34.06	11.32	34.87	100	52	P	V
	*	5865	96.93	-	-	86.42	34.06	11.32	34.87	100	52	A	V
		5896.75	60.13	-48.78	108.91	49.49	34.19	11.3	34.85	100	52	P	V
		5943.5	52.89	-35.31	88.2	42.16	34.29	11.26	34.82	100	52	P	V
		5895	47.21	-42.99	90.2	36.58	34.18	11.3	34.85	100	52	A	V
		5926.25	42.86	-25.34	68.2	32.16	34.25	11.28	34.83	100	52	A	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)
		5642.48	50.63	-17.57	68.2	41.32	33.08	11.23	35	100	15	P	H
		5688.795	50.81	-46.13	96.94	41.1	33.41	11.27	34.97	100	15	P	H
		5705.61	50.41	-56.36	106.77	40.56	33.52	11.29	34.96	100	15	P	H
		5725.08	50.6	-83.6	134.2	40.65	33.6	11.3	34.95	100	15	P	H
	*	5885	100.94	-	-	90.35	34.14	11.31	34.86	100	15	P	H
	*	5885	92.58	-	-	81.99	34.14	11.31	34.86	100	15	A	H
		5895	89.04	-21.16	110.2	78.41	34.18	11.3	34.85	100	15	P	H
		5926.5	52.6	-35.6	88.2	41.9	34.25	11.28	34.83	100	15	P	H
802.11ax		5895	83.79	-6.41	90.2	73.16	34.18	11.3	34.85	100	15	A	H
HE20 Full		5925.5	42.96	-25.24	68.2	32.26	34.25	11.28	34.83	100	15	A	H
CH 177		5633.63	50.63	-17.57	68.2	41.34	33.07	11.22	35	100	54	P	V
5885MHz		5674.34	50.26	-35.99	86.25	40.69	33.29	11.26	34.98	100	54	P	V
		5712.1	50.63	-57.96	108.59	40.75	33.55	11.29	34.96	100	54	P	V
		5722.425	51.1	-65.23	116.33	41.16	33.59	11.3	34.95	100	54	P	V
	*	5885	107.36	-	-	96.77	34.14	11.31	34.86	100	54	P	V
	*	5885	96.55	-	-	85.96	34.14	11.31	34.86	100	54	A	V
		5895	93.71	-16.49	110.2	83.08	34.18	11.3	34.85	100	54	P	V
		5930.25	55.14	-33.06	88.2	44.44	34.26	11.27	34.83	100	54	P	V
		5895	87.69	-2.51	90.2	77.06	34.18	11.3	34.85	100	54	A	V
		5925	44.49	-23.71	68.2	33.79	34.25	11.28	34.83	100	54	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5835~5885MHz

WIFI 802.11ax HE20 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)
		11690	45.43	-28.57	74	50.52	38.6	18.08	61.77	-	-	P	H
		17535	45.26	-22.94	68.2	40.53	38.98	22.73	56.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 169		11690	45.75	-28.25	74	50.84	38.6	18.08	61.77	-	-	P	V
5845MHz		17535	44.76	-23.44	68.2	40.03	38.98	22.73	56.98	-	-	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)
		11730	46.24	-27.76	74	51.46	38.54	18.11	61.87	-	-	P	H
		17595	46.09	-22.11	68.2	41.1	39.1	22.76	56.87	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 173		11730	45.54	-28.46	74	50.76	38.54	18.11	61.87	-	-	P	V
5885MHz		17595	45.58	-22.62	68.2	40.59	39.1	22.76	56.87	-	-	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	44.83	-29.17	74	50.15	38.5	18.16	61.98	-	-	P	H
		17655	45.95	-22.25	68.2	40.66	39.25	22.8	56.76	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 177		11770	45.3	-28.7	74	50.62	38.5	18.16	61.98	-	-	P	V
5885MHz		17655	46.06	-22.14	68.2	40.77	39.25	22.8	56.76	-	-	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.

Band 4 5835~5885MHz

WIFI 802.11ax HE20_Partial 26 (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 26/0 CH 169 5845MHz		5617.7	48.88	-19.32	68.2	40.08	33.04	10.77	35.01	100	18	P	H
		5670.505	49.88	-33.53	83.41	40.81	33.26	10.79	34.98	100	18	P	H
		5701.48	49.27	-56.35	105.62	39.91	33.51	10.81	34.96	100	18	P	H
		5724.195	49.75	-70.62	120.37	40.28	33.6	10.82	34.95	100	18	P	H
	*	5845	100.03	-	-	90.05	33.99	10.87	34.88	100	18	P	H
	*	5845	93.2	-	-	83.22	33.99	10.87	34.88	100	18	A	H
		5902.75	51.8	-52.71	104.51	41.55	34.21	10.89	34.85	100	18	P	H
		5956.25	51.8	-36.4	88.2	41.43	34.29	10.9	34.82	100	18	P	H
		5912.5	41.87	-35.48	77.35	31.6	34.22	10.89	34.84	100	18	A	H
		5932.75	41.71	-26.49	68.2	31.37	34.27	10.9	34.83	100	18	A	H
		5615.93	49.56	-18.64	68.2	40.77	33.03	10.77	35.01	150	54	P	V
		5660.77	49.54	-26.66	76.2	40.55	33.19	10.79	34.99	150	54	P	V
		5703.25	50.19	-55.92	106.11	40.83	33.51	10.81	34.96	150	54	P	V
		5722.72	48.34	-68.66	117	38.88	33.59	10.82	34.95	150	54	P	V
	*	5845	101.3	-	-	91.32	33.99	10.87	34.88	150	54	P	V
	*	5845	94.77	-	-	84.79	33.99	10.87	34.88	150	54	A	V
		5911.75	51.2	-46.7	97.9	40.93	34.22	10.89	34.84	150	54	P	V
		5927.25	51.02	-37.18	88.2	40.71	34.25	10.89	34.83	150	54	P	V
		5902	41.77	-43.29	85.06	31.53	34.2	10.89	34.85	150	54	A	V
		5926.25	41.67	-26.53	68.2	31.36	34.25	10.89	34.83	150	54	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		5615.045	49.7	-18.5	68.2	40.91	33.03	10.77	35.01	100	19	P	H
		5679.355	49.34	-40.62	89.96	40.19	33.33	10.8	34.98	100	19	P	H
		5710.33	49.87	-58.22	108.09	40.48	33.54	10.81	34.96	100	19	P	H
		5721.245	48.49	-65.15	113.64	39.05	33.58	10.81	34.95	100	19	P	H
	*	5885	100.09	-	-	89.93	34.14	10.88	34.86	100	19	P	H
	*	5885	93.4	-		83.24	34.14	10.88	34.86	100	19	A	H
		5895	88.42	-21.78	110.2	78.21	34.18	10.88	34.85	100	19	P	H
		5951.75	51.51	-36.69	88.2	41.13	34.3	10.9	34.82	100	19	P	H
		5895	83.36	-6.84	90.2	73.15	34.18	10.88	34.85	100	19	A	H
		5939.25	41.66	-26.54	68.2	31.31	34.28	10.9	34.83	100	19	A	H
		5613.57	49.84	-18.36	68.2	41.05	33.03	10.77	35.01	100	63	P	V
		5658.705	50.04	-24.63	74.67	41.07	33.17	10.79	34.99	100	63	P	V
		5713.28	50.75	-58.17	108.92	41.35	33.55	10.81	34.96	100	63	P	V
		5722.72	50.23	-66.77	117	40.77	33.59	10.82	34.95	100	63	P	V
	*	5885	103.22	-	-	93.06	34.14	10.88	34.86	100	63	P	V
	*	5885	96.16	-	-	86	34.14	10.88	34.86	100	63	A	V
		5895	93.29	-16.91	110.2	83.08	34.18	10.88	34.85	100	63	P	V
		5930.75	51.71	-36.49	88.2	41.38	34.26	10.9	34.83	100	63	P	V
		5895	86.07	-4.13	90.2	75.86	34.18	10.88	34.85	100	63	A	V
		5934.25	41.8	-26.4	68.2	31.46	34.27	10.9	34.83	100	63	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5835~5885MHz

WIFI 802.11ax HE20_Partial 26 (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)
802.11ax HE20 Partial 26/0 CH 169 5845MHz		11690	46.73	-27.27	74	51.82	38.6	18.08	61.77	-	-	P	H
		17535	45.33	-22.87	68.2	40.6	38.98	22.73	56.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11690	46.93	-27.07	74	52.02	38.6	18.08	61.77	-	-	P	V
		17535	46.76	-21.44	68.2	42.03	38.98	22.73	56.98	-	-	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)
		11730	46.79	-27.21	74	52.01	38.54	18.11	61.87	-	-	P	H
		17595	45.62	-22.58	68.2	40.63	39.1	22.76	56.87	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax HE20 Partial 26/4 CH 173 5885MHz													H
		11730	46.05	-27.95	74	51.27	38.54	18.11	61.87	-	-	P	V
		17595	45.99	-22.21	68.2	41	39.1	22.76	56.87	-	-	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	45.08	-28.92	74	50.4	38.5	18.16	61.98	-	-	P	H
		17655	48.21	-19.99	68.2	42.92	39.25	22.8	56.76	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11770	45.85	-28.15	74	51.17	38.5	18.16	61.98	-	-	P	V
		17655	45.85	-22.35	68.2	40.56	39.25	22.8	56.76	-	-	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.

Band 4 5835~5885MHz

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)
		5603.835	50.13	-18.07	68.2	41.38	33.01	10.76	35.02	100	19	P	H
		5664.015	50.05	-28.55	78.6	41.03	33.21	10.79	34.98	100	19	P	H
		5708.265	49	-58.52	107.52	39.62	33.53	10.81	34.96	100	19	P	H
		5724.195	49.83	-70.53	120.36	40.36	33.6	10.82	34.95	100	19	P	H
	*	5845	102.03	-	-	92.05	33.99	10.87	34.88	100	19	P	H
	*	5845	93.78	-	-	83.8	33.99	10.87	34.88	100	19	A	H
		5910.75	50.83	-47.81	98.64	40.56	34.22	10.89	34.84	100	19	P	H
802.11ax		5936.25	51.2	-37	88.2	40.86	34.27	10.9	34.83	100	19	P	H
HE20		5906.5	41.89	-39.86	81.75	31.63	34.21	10.89	34.84	100	19	A	H
Partial		5942.5	41.76	-26.44	68.2	31.4	34.28	10.9	34.82	100	19	A	H
52/37		5603.835	49.65	-18.55	68.2	40.9	33.01	10.76	35.02	150	57	P	V
CH 169		5674.635	50.72	-35.75	86.47	41.61	33.3	10.79	34.98	150	57	P	V
5845MHz		5713.575	49.6	-59.4	109	40.2	33.55	10.81	34.96	150	57	P	V
		5724.195	48.83	-71.53	120.36	39.36	33.6	10.82	34.95	150	57	P	V
	*	5845	103.25	-	-	93.27	33.99	10.87	34.88	150	57	P	V
	*	5845	95.87	-	-	85.89	33.99	10.87	34.88	150	57	A	V
		5896	51.57	-57.89	109.46	41.36	34.18	10.88	34.85	150	57	P	V
		5944.5	51.34	-36.86	88.2	40.97	34.29	10.9	34.82	150	57	P	V
		5920.5	41.89	-29.6	71.49	31.6	34.24	10.89	34.84	150	57	A	V
		5938	41.73	-26.47	68.2	31.38	34.28	10.9	34.83	150	57	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		5648.675	49.62	-18.58	68.2	40.73	33.1	10.78	34.99	100	21	P	H
		5659.885	49.98	-25.56	75.54	41	33.18	10.79	34.99	100	21	P	H
		5707.97	49.18	-58.25	107.43	39.8	33.53	10.81	34.96	100	21	P	H
		5723.015	48.88	-68.8	117.68	39.42	33.59	10.82	34.95	100	21	P	H
	*	5885	102.59	-	-	92.43	34.14	10.88	34.86	100	21	P	H
	*	5885	93.14	-	-	82.98	34.14	10.88	34.86	100	21	A	H
		5895.1	90.08	-20.05	110.13	79.87	34.18	10.88	34.85	100	21	P	H
		5932	52.86	-35.34	88.2	42.53	34.26	10.9	34.83	100	21	P	H
		5895	82.73	-7.47	90.2	72.52	34.18	10.88	34.85	100	21	A	H
		5947.5	41.86	-26.34	68.2	31.49	34.29	10.9	34.82	100	21	A	H
		5629.5	49.59	-18.61	68.2	40.76	33.06	10.77	35	100	66	P	V
		5679.355	49.19	-40.77	89.96	40.04	33.33	10.8	34.98	100	66	P	V
		5711.805	49.42	-59.09	108.51	40.02	33.55	10.81	34.96	100	66	P	V
		5720.065	49.35	-61.6	110.95	39.91	33.58	10.81	34.95	100	66	P	V
	*	5885	103.62	-	-	93.46	34.14	10.88	34.86	100	66	P	V
	*	5885	95.68	-	-	85.52	34.14	10.88	34.86	100	66	A	V
		5895.1	92.55	-17.58	110.13	82.34	34.18	10.88	34.85	100	66	P	V
		5941.25	51.52	-36.68	88.2	41.16	34.28	10.9	34.82	100	66	P	V
		5895	85.35	-4.85	90.2	75.14	34.18	10.88	34.85	100	66	A	V
		5925.25	41.88	-26.32	68.2	31.57	34.25	10.89	34.83	100	66	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5835~5885MHz

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)
		5615.34	50.21	-17.99	68.2	41.42	33.03	10.77	35.01	100	21	P	H
		5658.115	49.59	-24.64	74.23	40.63	33.16	10.79	34.99	100	21	P	H
		5716.82	50.24	-59.67	109.91	40.81	33.57	10.81	34.95	100	21	P	H
		5721.835	48.62	-66.36	114.98	39.17	33.59	10.81	34.95	100	21	P	H
	*	5845	101.14	-	-	91.16	33.99	10.87	34.88	100	21	P	H
	*	5845	93.18	-	-	83.2	33.99	10.87	34.88	100	21	A	H
		5918.5	52.49	-40.47	92.96	42.2	34.24	10.89	34.84	100	21	P	H
802.11ax		5933.75	51.12	-37.08	88.2	40.78	34.27	10.9	34.83	100	21	P	H
HE20		5902.5	41.86	-42.83	84.69	31.61	34.21	10.89	34.85	100	21	A	H
Partial		5935.75	41.78	-26.42	68.2	31.44	34.27	10.9	34.83	100	21	A	H
106/53		5649.855	49.86	-18.34	68.2	40.97	33.1	10.78	34.99	150	56	P	V
CH 169		5698.825	50.99	-53.34	104.33	41.66	33.49	10.8	34.96	150	56	P	V
5845MHz		5700.3	49.52	-55.76	105.28	40.17	33.5	10.81	34.96	150	56	P	V
		5722.425	49.59	-66.74	116.33	40.13	33.59	10.82	34.95	150	56	P	V
	*	5845	105.71	-	-	95.73	33.99	10.87	34.88	150	56	P	V
	*	5845	95.74	-	-	85.76	33.99	10.87	34.88	150	56	A	V
		5920	52.55	-39.31	91.86	42.26	34.24	10.89	34.84	150	56	P	V
		5978.25	51.41	-36.79	88.2	41.06	34.24	10.91	34.8	150	56	P	V
		5903.75	41.98	-41.79	83.77	31.73	34.21	10.89	34.85	150	56	A	V
		5942.5	41.9	-26.3	68.2	31.54	34.28	10.9	34.82	150	56	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		5616.815	49.95	-18.25	68.2	41.16	33.03	10.77	35.01	100	22	P	H
		5671.095	50.43	-33.42	83.85	41.35	33.27	10.79	34.98	100	22	P	H
		5706.495	50.43	-56.59	107.02	41.05	33.53	10.81	34.96	100	22	P	H
		5722.72	50.3	-66.7	117	40.84	33.59	10.82	34.95	100	22	P	H
	*	5885	102.81	-	-	92.65	34.14	10.88	34.86	100	22	P	H
	*	5885	92.9	-	-	82.74	34.14	10.88	34.86	100	22	A	H
		5895	91.02	-19.18	110.2	80.81	34.18	10.88	34.85	100	22	P	H
		5930.25	51.52	-36.68	88.2	41.19	34.26	10.9	34.83	100	22	P	H
		5895	83.81	-6.39	90.2	73.6	34.18	10.88	34.85	100	22	A	H
		5933.25	41.95	-26.25	68.2	31.61	34.27	10.9	34.83	100	22	A	H
		5646.315	49.78	-18.42	68.2	40.91	33.09	10.78	35	100	66	P	V
		5677.585	50.5	-38.15	88.65	41.37	33.32	10.79	34.98	100	66	P	V
		5711.805	49.74	-58.77	108.51	40.34	33.55	10.81	34.96	100	66	P	V
		5720.655	48.64	-63.65	112.29	39.2	33.58	10.81	34.95	100	66	P	V
	*	5885	104.06	-	-	93.9	34.14	10.88	34.86	100	66	P	V
	*	5885	95.84	-	-	85.68	34.14	10.88	34.86	100	66	A	V
		5895	94.47	-15.73	110.2	84.26	34.18	10.88	34.85	100	66	P	V
		5942.5	52.14	-36.06	88.2	41.78	34.28	10.9	34.82	100	66	P	V
		5895	86.8	-3.4	90.2	76.59	34.18	10.88	34.85	100	66	A	V
		5929	42.19	-26.01	68.2	31.86	34.26	10.9	34.83	100	66	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5835~5885MHz

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)
		5647.79	50.06	-18.14	68.2	41.17	33.1	10.78	34.99	100	22	P	H
		5678.765	49.39	-40.14	89.53	40.24	33.33	10.8	34.98	100	22	P	H
		5707.38	50.01	-57.26	107.27	40.63	33.53	10.81	34.96	100	22	P	H
		5722.72	49.33	-67.67	117	39.87	33.59	10.82	34.95	100	22	P	H
	*	5835	97.97	-	-	88.03	33.97	10.86	34.89	100	22	P	H
	*	5835	88.89	-	-	78.95	33.97	10.86	34.89	100	22	A	H
		5898.5	54.09	-53.54	107.63	43.87	34.19	10.88	34.85	100	22	P	H
		5952.75	52.3	-35.9	88.2	41.93	34.29	10.9	34.82	100	22	P	H
802.11ax		5895.75	43.29	-46.36	89.65	33.08	34.18	10.88	34.85	100	22	A	H
HE40 Full		5934	42.21	-25.99	68.2	31.87	34.27	10.9	34.83	100	22	A	H
CH 167		5623.6	49.25	-18.95	68.2	40.44	33.05	10.77	35.01	100	64	P	V
5835MHz		5658.705	50.05	-24.62	74.67	41.08	33.17	10.79	34.99	100	64	P	V
		5705.61	49.85	-56.92	106.77	40.48	33.52	10.81	34.96	100	64	P	V
		5722.13	49.68	-65.98	115.66	40.23	33.59	10.81	34.95	100	64	P	V
	*	5835	100.68	-	-	90.74	33.97	10.86	34.89	100	64	P	V
	*	5835	92.11	-	-	82.17	33.97	10.86	34.89	100	64	A	V
		5895.75	56.2	-53.45	109.65	45.99	34.18	10.88	34.85	100	64	P	V
		5932	53.09	-35.11	88.2	42.76	34.26	10.9	34.83	100	64	P	V
		5895.25	44.32	-45.7	90.02	34.11	34.18	10.88	34.85	100	64	A	V
		5926	42.58	-25.62	68.2	32.27	34.25	10.89	34.83	100	64	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)
		5606.195	49.76	-18.44	68.2	41.01	33.01	10.76	35.02	100	22	P	H
		5673.455	50.07	-35.53	85.6	40.97	33.29	10.79	34.98	100	22	P	H
		5704.43	49.67	-56.77	106.44	40.3	33.52	10.81	34.96	100	22	P	H
		5720.36	49.13	-62.49	111.62	39.69	33.58	10.81	34.95	100	22	P	H
	*	5875	96.91	-	-	86.79	34.1	10.88	34.86	100	22	P	H
	*	5875	88.48	-	-	78.36	34.1	10.88	34.86	100	22	A	H
		5895.1	77.46	-32.67	110.13	67.25	34.18	10.88	34.85	100	22	P	H
		5925	57.13	-31.07	88.2	46.82	34.25	10.89	34.83	100	22	P	H
802.11ax		5895	65.38	-24.82	90.2	55.17	34.18	10.88	34.85	100	22	A	H
HE40 Full		5925	43.88	-24.32	68.2	33.57	34.25	10.89	34.83	100	22	A	H
CH 175		5636.875	49.06	-19.14	68.2	40.21	33.07	10.78	35	100	64	P	V
5875MHz		5690.565	50.07	-48.17	98.24	40.82	33.42	10.8	34.97	100	64	P	V
		5713.575	50.12	-58.88	109	40.72	33.55	10.81	34.96	100	64	P	V
		5723.605	49.56	-69.46	119.02	40.1	33.59	10.82	34.95	100	64	P	V
	*	5875	101.32	-	-	91.2	34.1	10.88	34.86	100	64	P	V
	*	5875	91.6	-	-	81.48	34.1	10.88	34.86	100	64	A	V
		5895.1	77.28	-32.85	110.13	67.07	34.18	10.88	34.85	100	64	P	V
		5927	58.3	-29.9	88.2	47.99	34.25	10.89	34.83	100	64	P	V
		5895	68.4	-21.8	90.2	58.19	34.18	10.88	34.85	100	64	A	V
		5925	45.73	-22.47	68.2	35.42	34.25	10.89	34.83	100	64	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5835~5885MHz

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	46.88	-27.12	74	51.92	38.6	18.07	61.71	-	-	P	H
		17505	44.65	-23.55	68.2	40.23	38.74	22.72	57.04	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 167		11670	45.92	-28.08	74	50.96	38.6	18.07	61.71	-	-	P	V
5835MHz		17505	45.14	-23.06	68.2	40.72	38.74	22.72	57.04	-	-	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	45.4	-28.6	74	50.68	38.5	18.14	61.92	-	-	P	H
		17625	45.53	-22.67	68.2	40.41	39.15	22.79	56.82	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 175		11750	45.4	-28.6	74	50.68	38.5	18.14	61.92	-	-	P	V
5875MHz		17625	45.76	-22.44	68.2	40.64	39.15	22.79	56.82	-	-	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.

Band 4 5835~5885MHz

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)
		5627.73	48.94	-19.26	68.2	40.12	33.06	10.77	35.01	100	22	P	H
		5694.105	49.37	-51.48	100.85	40.09	33.45	10.8	34.97	100	22	P	H
		5705.02	49.44	-57.17	106.61	40.07	33.52	10.81	34.96	100	22	P	H
		5723.015	50.05	-67.63	117.68	40.59	33.59	10.82	34.95	100	22	P	H
	*	5855	93.62	25.42	68.2	83.6	34.02	10.87	34.87	100	22	P	H
	*	5855	85.22	31.22	54	75.2	34.02	10.87	34.87	100	22	A	H
		5895.1	74.21	-35.92	110.13	64	34.18	10.88	34.85	100	22	P	H
		5932.75	56.8	-31.4	88.2	46.46	34.27	10.9	34.83	100	22	P	H
		5895.1	62.42	-27.71	90.13	52.21	34.18	10.88	34.85	100	22	A	H
		5929.5	45.28	-22.92	68.2	34.95	34.26	10.9	34.83	100	22	A	H
802.11ax													H
HE80 Full													H
CH 171		5644.84	50.6	-17.6	68.2	41.73	33.09	10.78	35	100	66	P	V
5855MHz		5681.42	50.77	-40.72	91.49	41.59	33.35	10.8	34.97	100	66	P	V
		5705.905	50.65	-56.21	106.86	41.28	33.52	10.81	34.96	100	66	P	V
		5723.605	49.4	-69.62	119.02	39.94	33.59	10.82	34.95	100	66	P	V
	*	5855	98.48	30.28	68.2	88.46	34.02	10.87	34.87	100	66	P	V
	*	5855	88.59	34.59	54	78.57	34.02	10.87	34.87	100	66	A	V
		5895.1	77.5	-32.63	110.13	67.29	34.18	10.88	34.85	100	66	P	V
		5932	58.53	-29.67	88.2	48.2	34.26	10.9	34.83	100	66	P	V
		5895.1	65.46	-24.67	90.13	55.25	34.18	10.88	34.85	100	66	A	V
		5928	47.58	-20.62	68.2	37.26	34.26	10.89	34.83	100	66	A	V
													V
													V

Remark

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

Band 4 5835~5885MHz

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	46.01	-27.99	74	51.15	38.58	18.1	61.82	-	-	P	H
		17565	46.2	-22	68.2	41.28	39.1	22.75	56.93	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 171		11710	46.24	-27.76	74	51.38	38.58	18.1	61.82	-	-	P	V
5855MHz		17565	45.73	-22.47	68.2	40.81	39.1	22.75	56.93	-	-	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

5GHz WIFI 802.11ax HE20 Full (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full SHF		39496	52.29	-21.71	74	39.08	44.89	24.82	56.5	-	-	P	H
													V
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39860	52.27	-21.73	74	38.9	44.76	24.68	56.07	-	-	P	H
													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

5GHz WIFI 802.11ax HE20 Full (LF @ 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 Full LF		30.27	33.63	-6.37	40	41.51	23.91	0.67	32.46	-	-	P	H
		98.31	22.69	-20.81	43.5	38.11	15.69	1.26	32.37	-	-	P	H
		112.08	20.83	-22.67	43.5	34.78	16.89	1.32	32.16	-	-	P	H
		841.1	32.18	-13.82	46	31.02	28.65	4.13	31.62	-	-	P	H
		876.8	32.92	-13.08	46	31.15	29.08	4.25	31.56	-	-	P	H
		956.6	34.24	-11.76	46	29.68	30.93	4.55	30.92	-	-	P	H
												P	H
												P	H
												P	H
												P	H
												P	H
												P	H
		30	31.1	-8.9	40	38.89	24	0.67	32.46	-	-	P	V
		48.09	33.05	-6.95	40	49.33	15.21	0.75	32.24	-	-	P	V
		58.08	28.1	-11.9	40	47.54	11.89	0.8	32.13	-	-	P	V
		904.1	33.47	-12.53	46	31.64	28.91	4.38	31.46	-	-	P	V
		959.4	33.68	-12.32	46	29.05	30.96	4.56	30.89	-	-	P	V
		980.4	34.36	-19.64	54	29.44	30.95	4.6	30.63	-	-	P	V
												P	V
												P	V
												P	V
												P	V
												P	V
												P	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 be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **Margin** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
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)

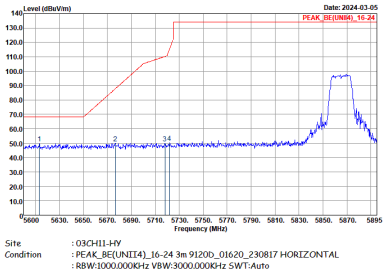
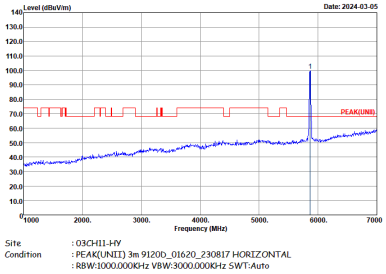
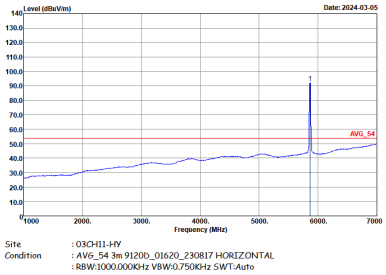
Both peak and average measured complies with the limit line, so test result is “PASS”.

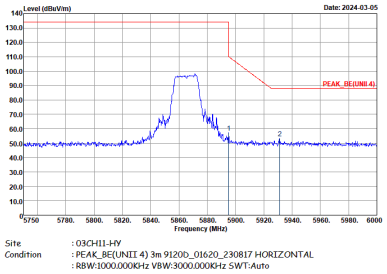
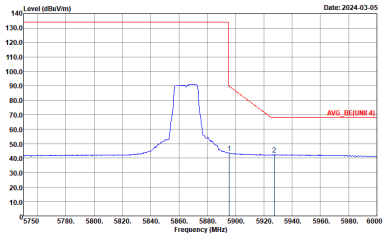
Appendix D. Radiated Spurious Emission Plots

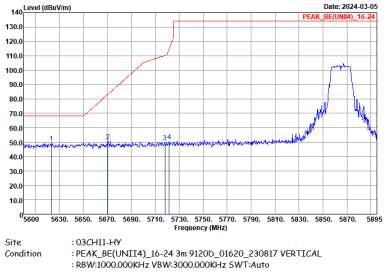
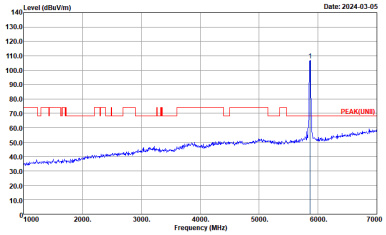
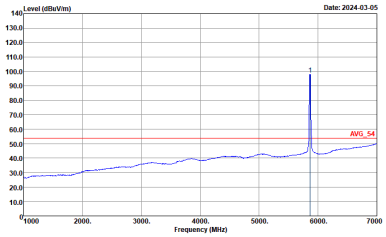
Test Engineer :	Fu Chen, Sam Chou and Troye Hsieh	**Temperature :**	19.1~21.1°C
		Relative Humidity :	44.1~67.1%

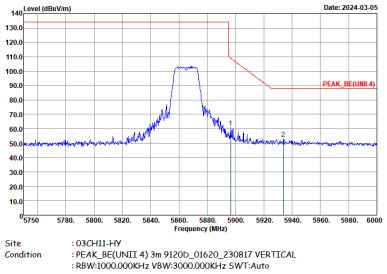
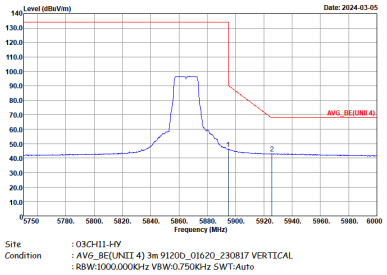
UNII-4 - 5835~5885MHz

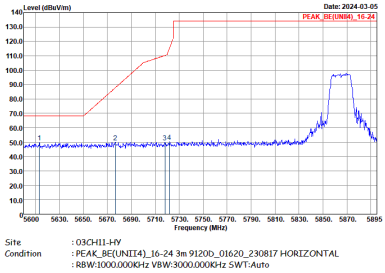
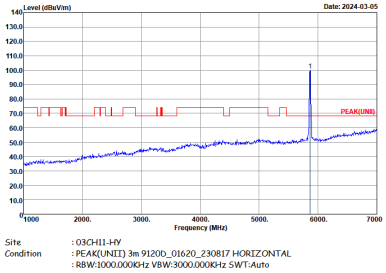
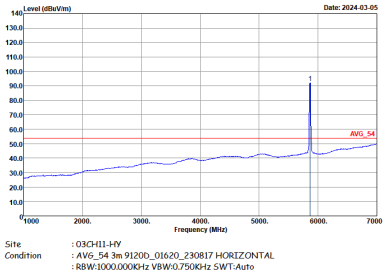
WIFI 802.11a (Band Edge @ 3m)

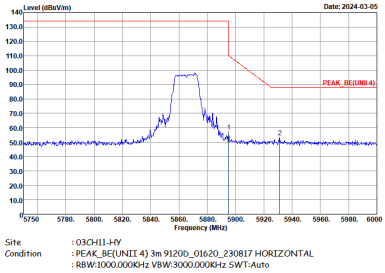
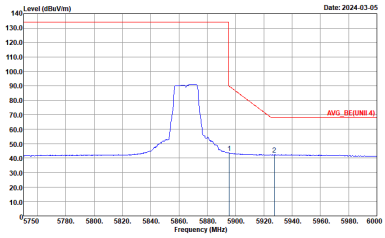
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank		

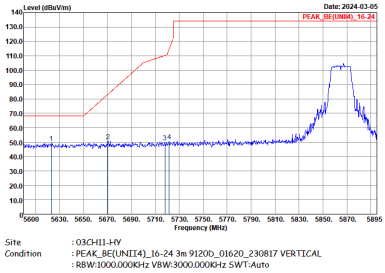
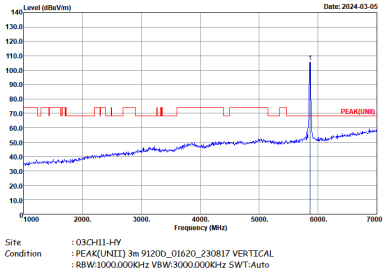
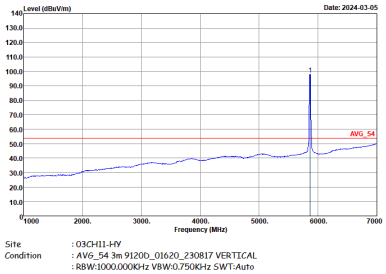
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

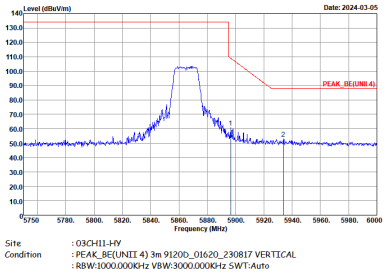
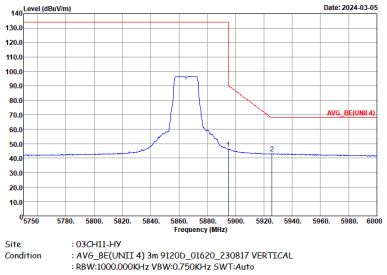
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII4)_16-24 3m 9120D_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9120D_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

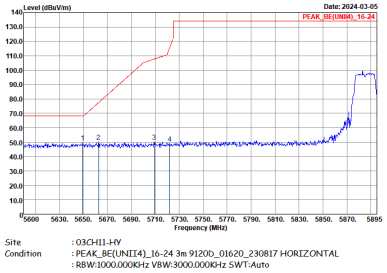
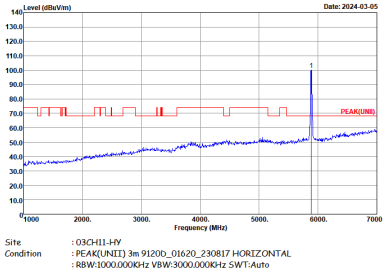
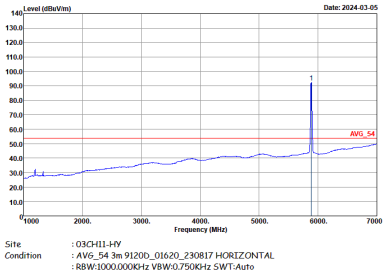
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

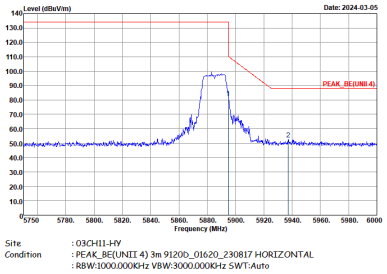
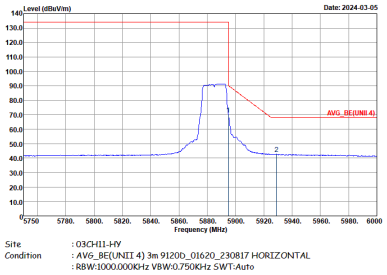
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank		

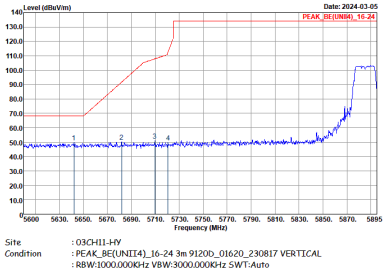
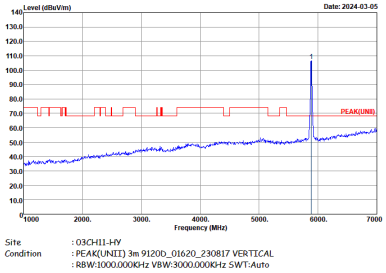
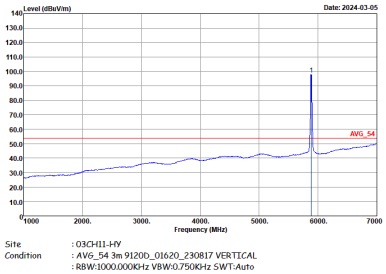
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

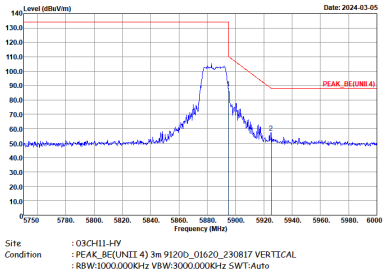
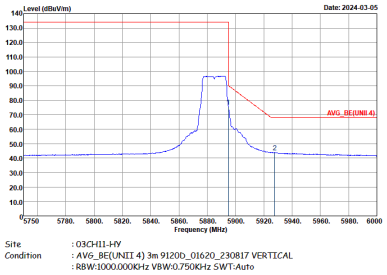
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

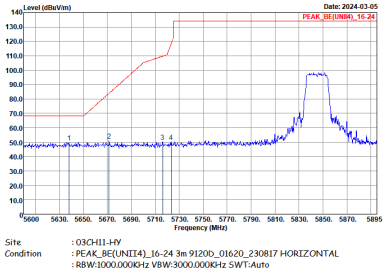
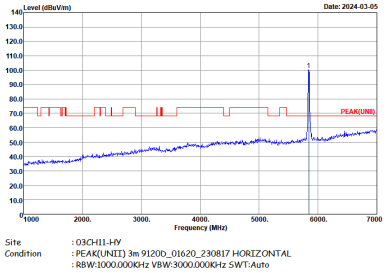
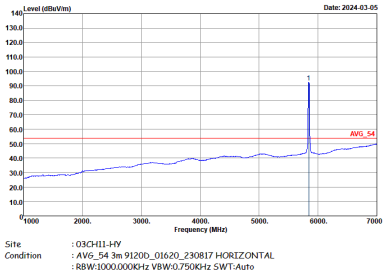
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

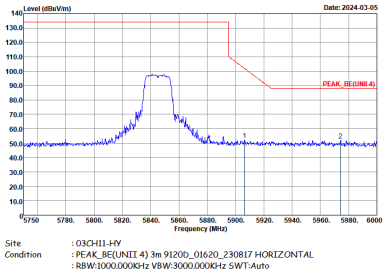
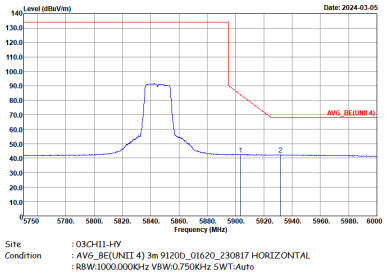
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz	
1	Horizontal	Fundamental
Peak		Left blank
Avg		Left blank

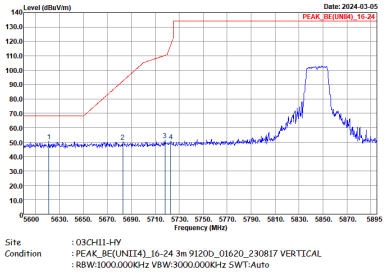
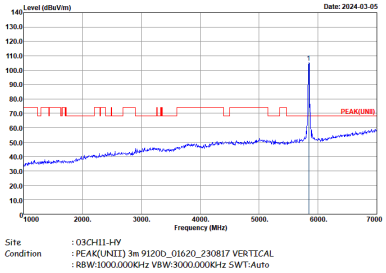
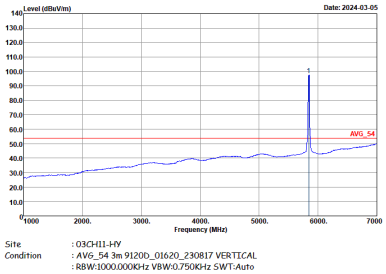
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

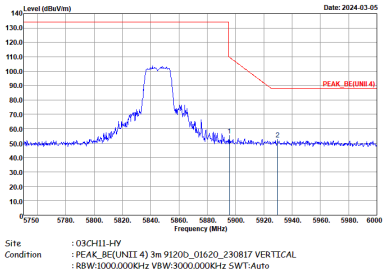
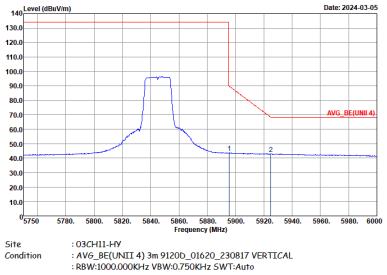
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

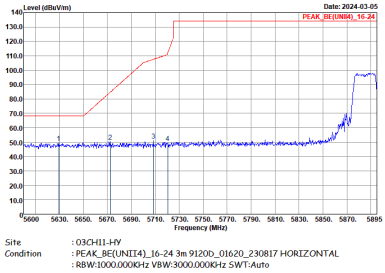
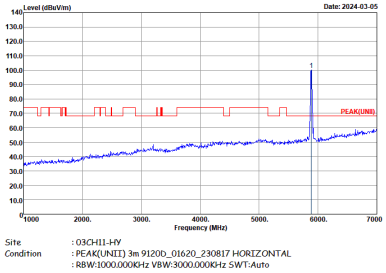
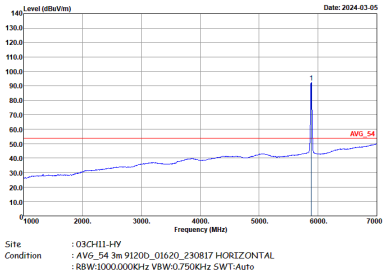
UNII-4 5835~5885MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

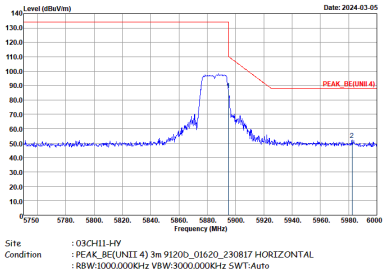
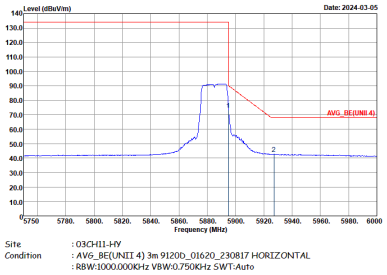
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11n HT20 CH169 5845MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

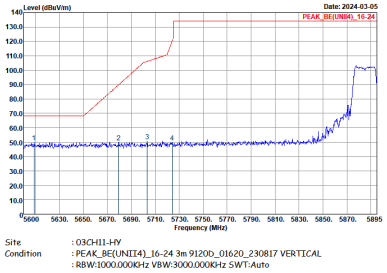
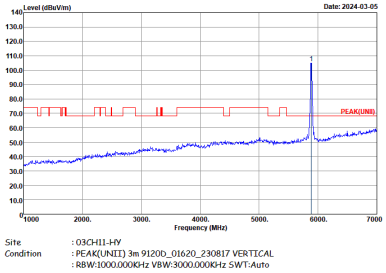
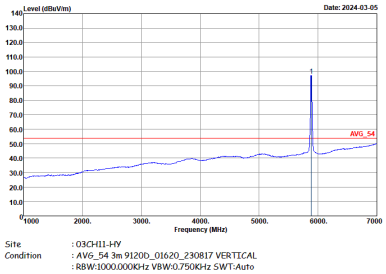
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11n HT20 CH169 5845MHz	
1	Horizontal	Fundamental
Peak		Left blank
Avg		Left blank

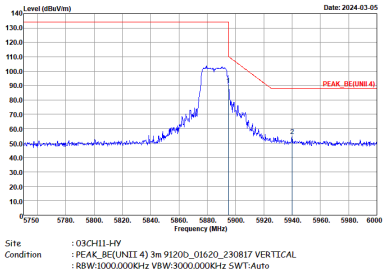
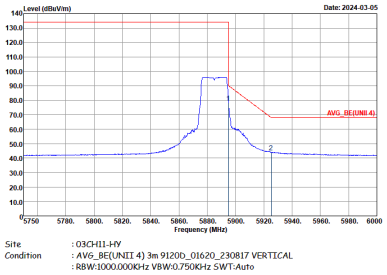
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11n HT20 CH169 5845MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11n HT20 CH169 5845MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

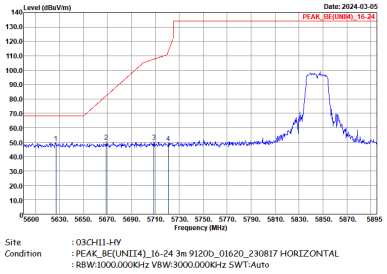
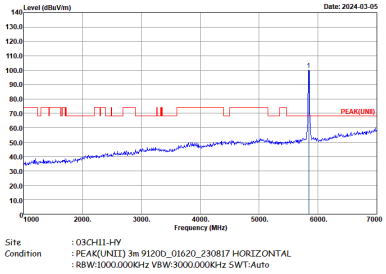
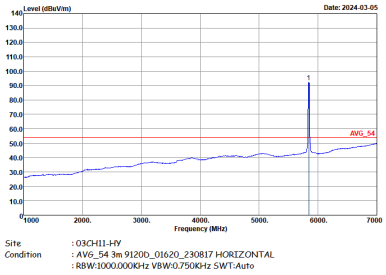
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11n HT20 CH177 5885MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

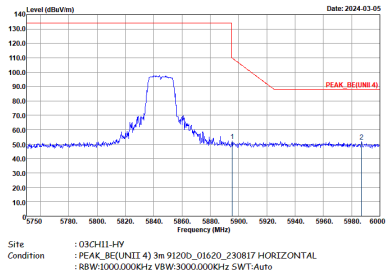
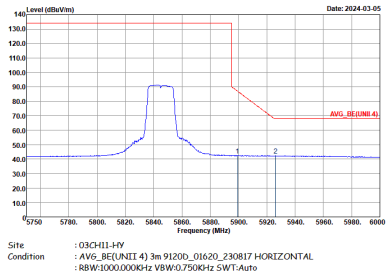
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11n HT20 CH177 5885MHz	
1	Horizontal	Fundamental
Peak		Left blank
Avg		Left blank

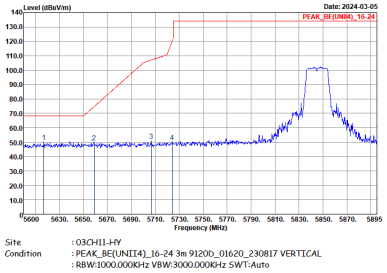
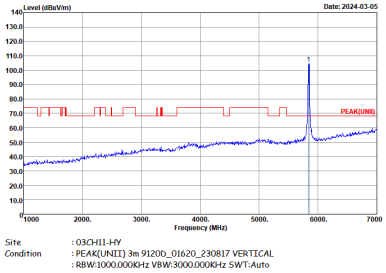
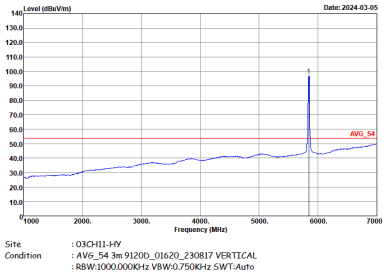
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11n HT20 CH177 5885MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

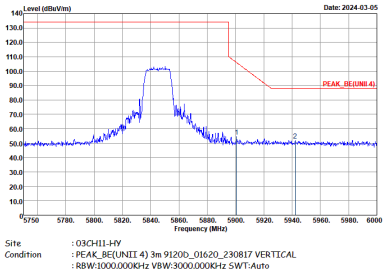
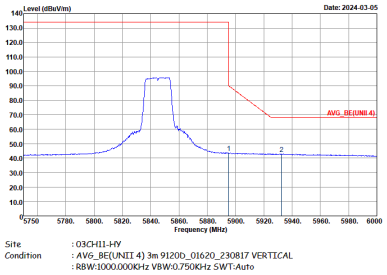
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11n HT20 CH177 5885MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

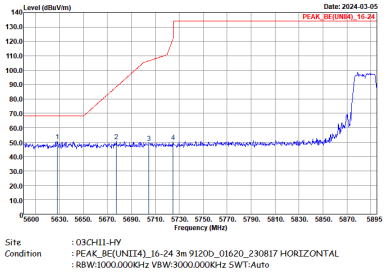
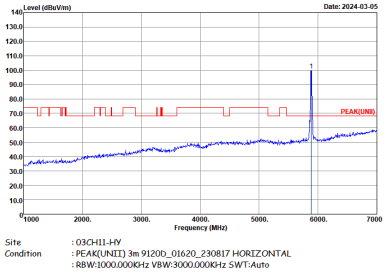
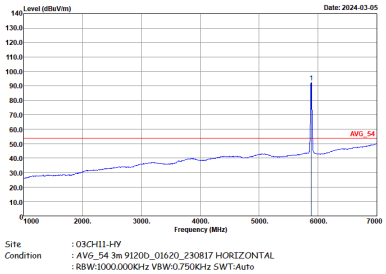
UNII-4 5835~5885MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

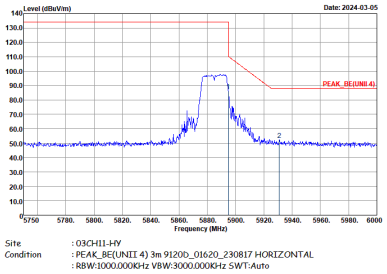
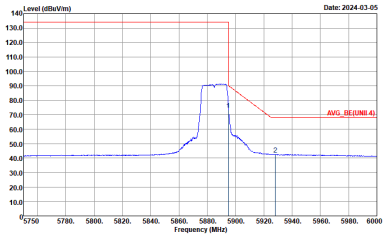
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH169 5845MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

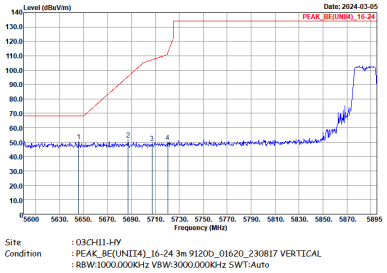
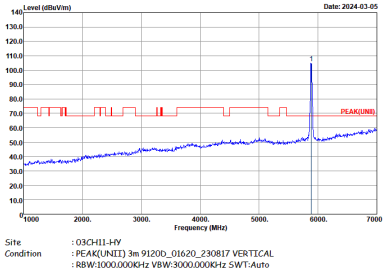
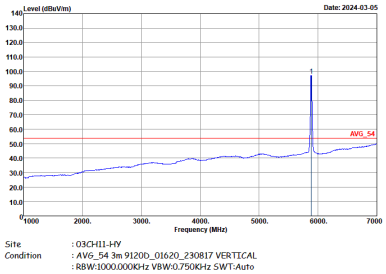
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH169 5845MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

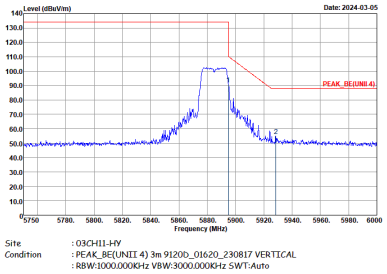
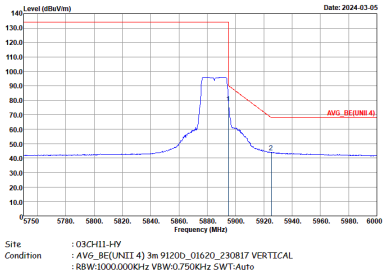
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH169 5845MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH169 5845MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

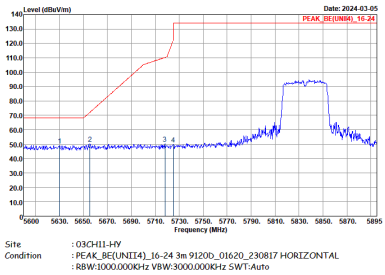
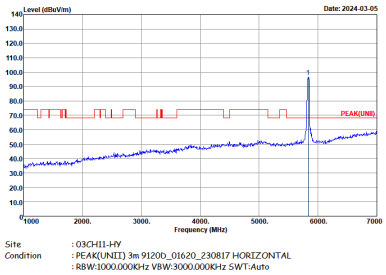
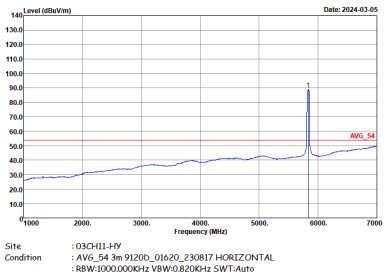
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH177 5885MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

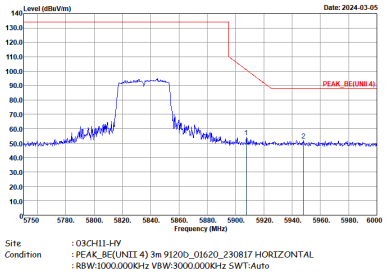
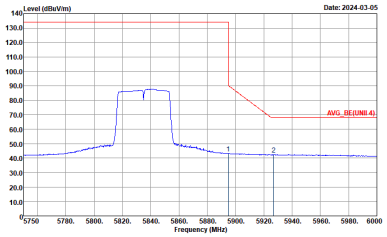
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH177 5885MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

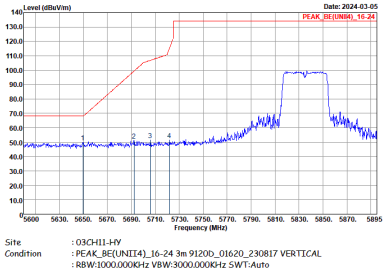
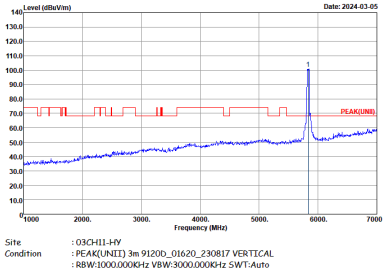
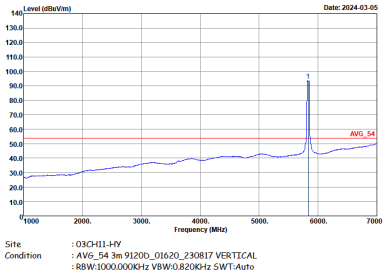
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH177 5885MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

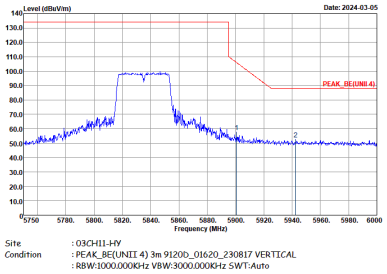
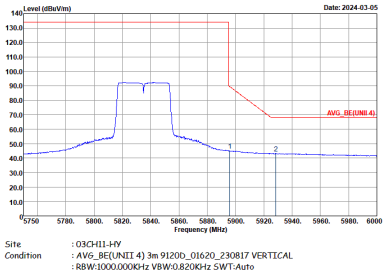
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH177 5885MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

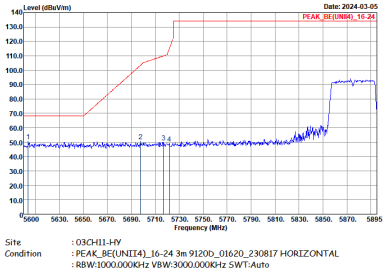
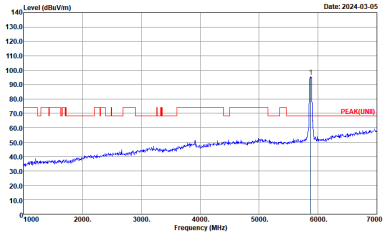
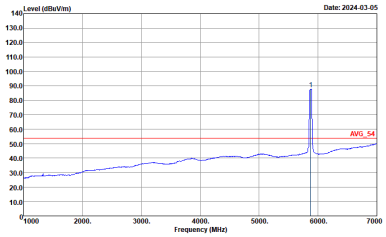
UNII-4 5835~5885MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

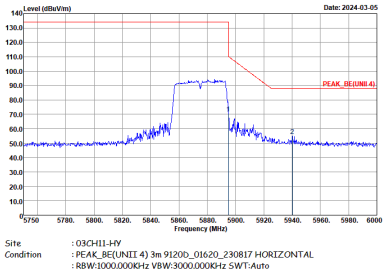
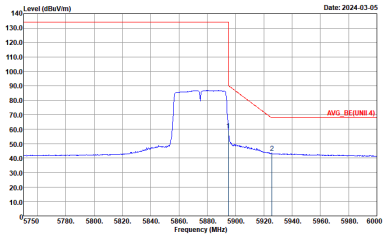
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH167 5835MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

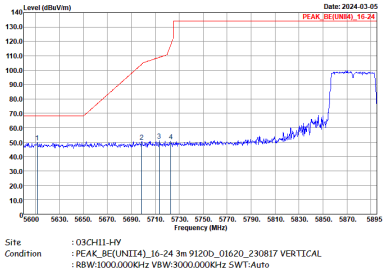
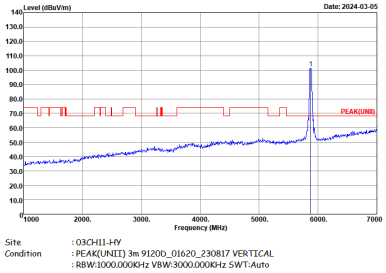
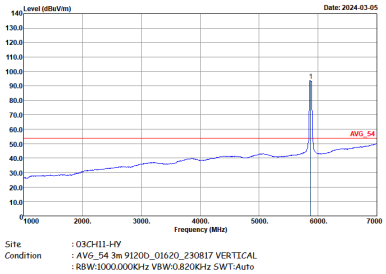
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH167 5835MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	Left blank

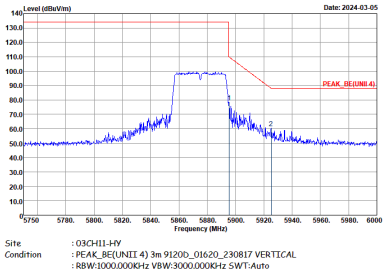
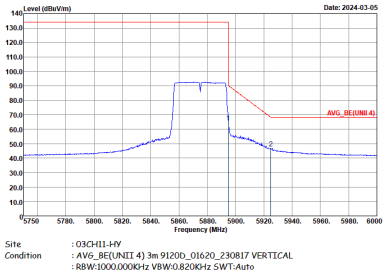
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH167 5835MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH167 5835MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

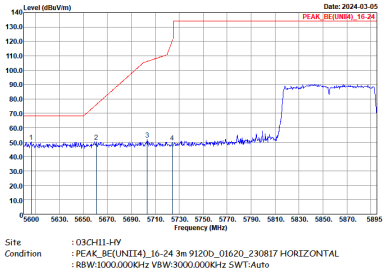
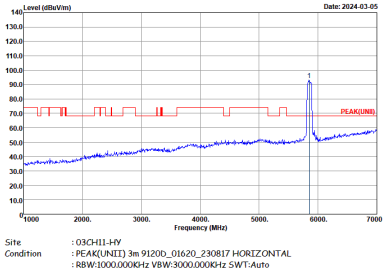
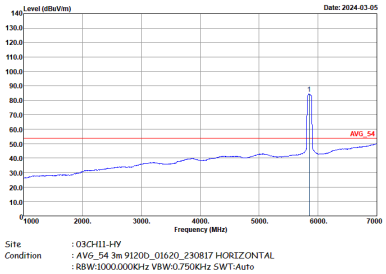
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH175 5875MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNI4)_16-24 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

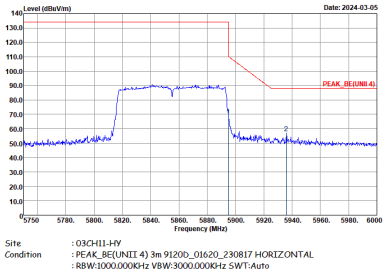
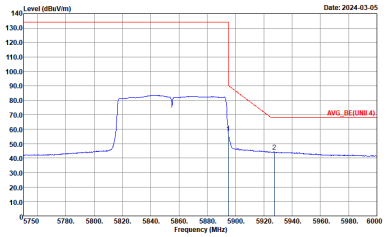
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH175 5875MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	Left blank

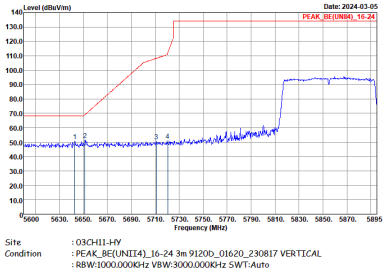
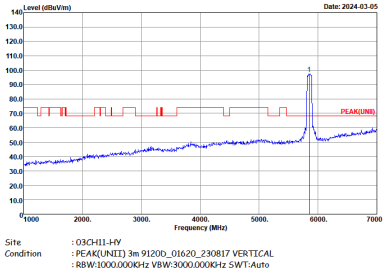
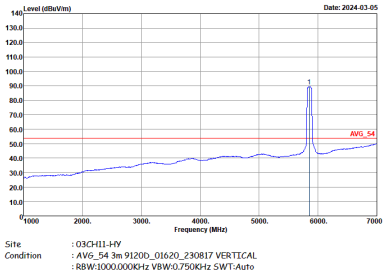
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH175 5875MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

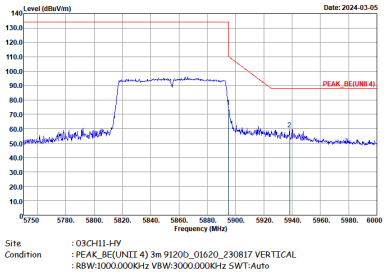
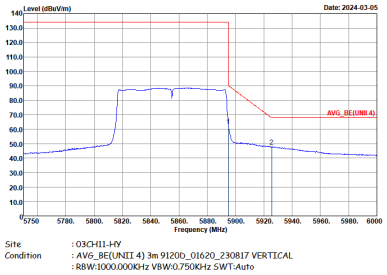
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH175 5875MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

UNII-4 5835~5885MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH171 5855MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

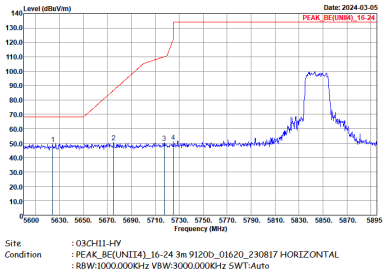
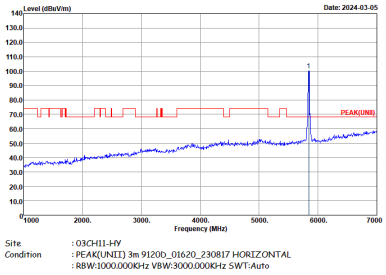
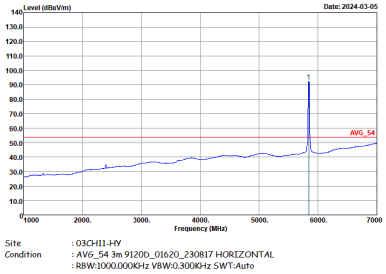
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH171 5855MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

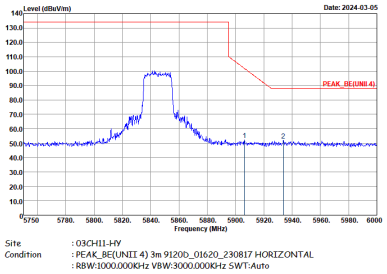
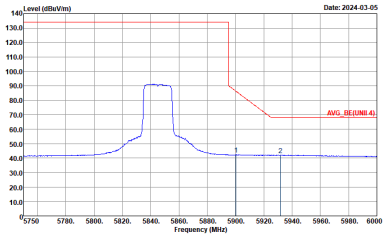
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH171 5855MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

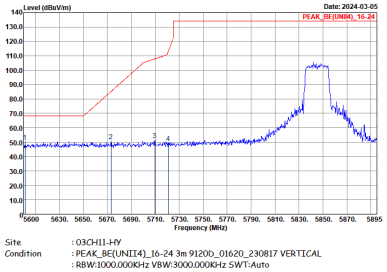
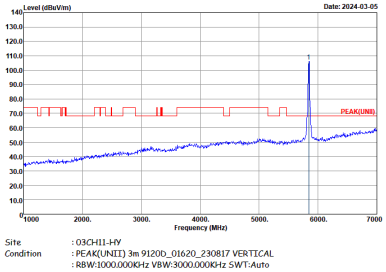
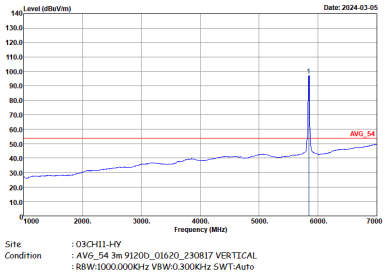
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH171 5855MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

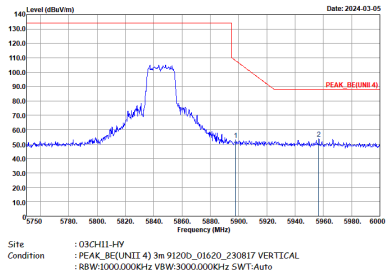
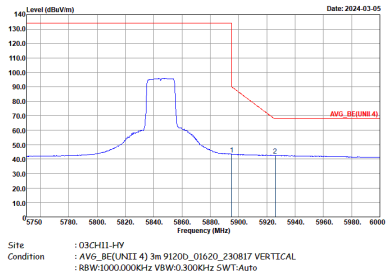
UNII-4 - 5835~5885MHz

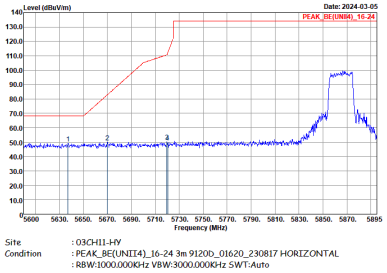
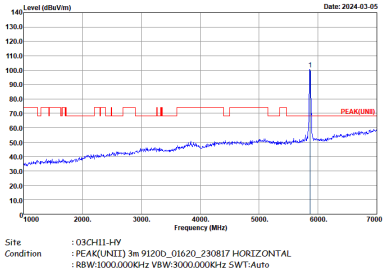
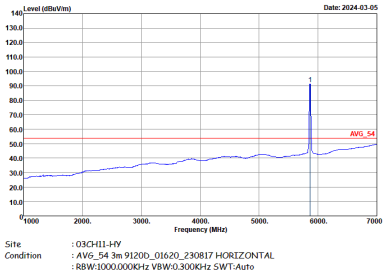
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

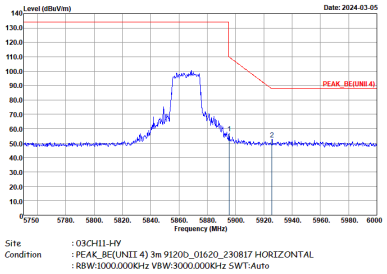
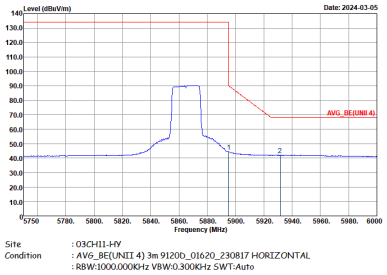
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH169 5845MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

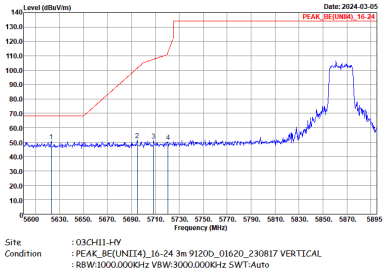
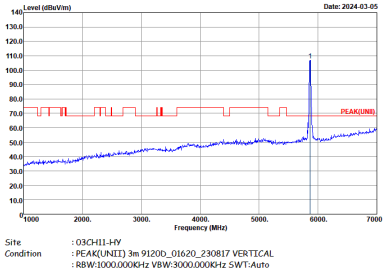
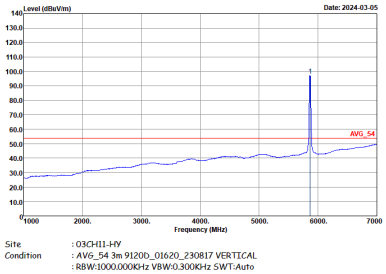
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH169 5845MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

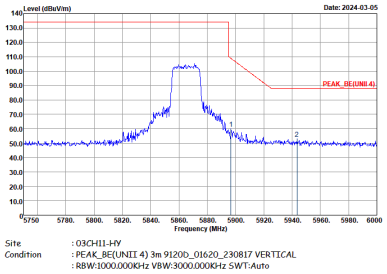
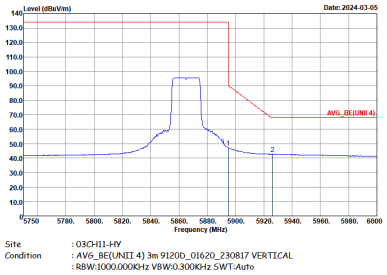
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH169 5845MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

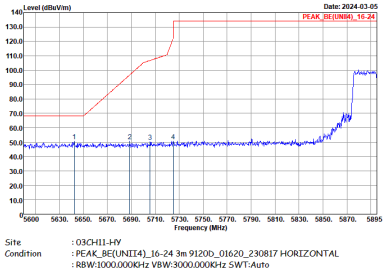
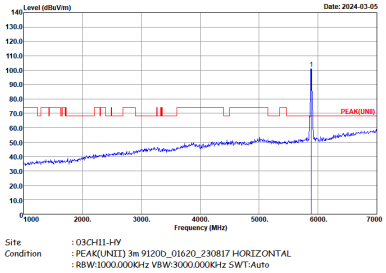
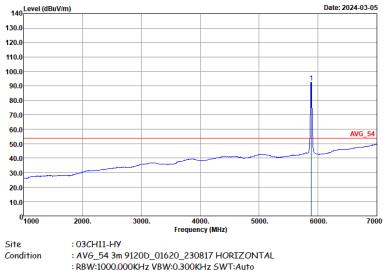
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH169 5845MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

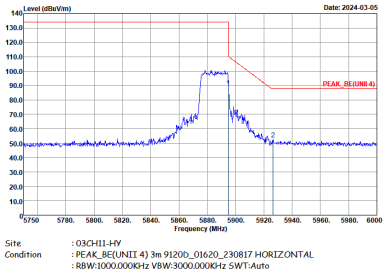
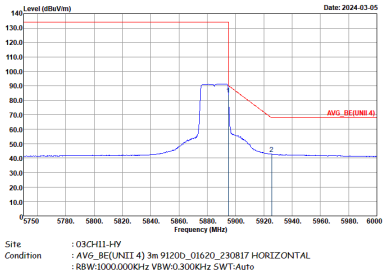
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH173 5865MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

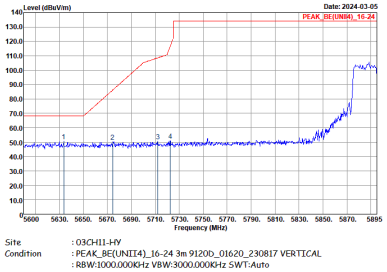
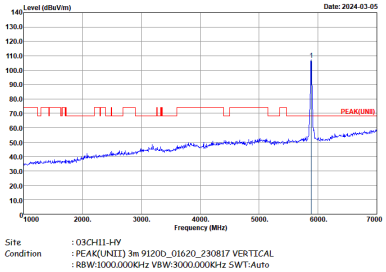
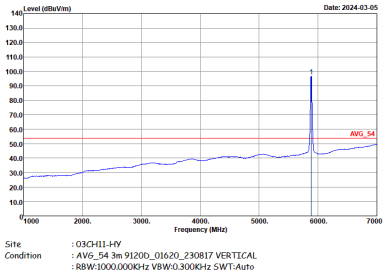
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH173 5865MHz	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

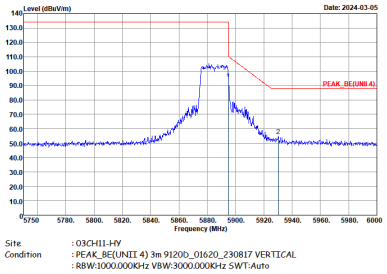
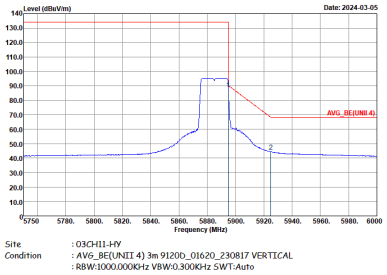
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH173 5865MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH173 5865MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH177 5885MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

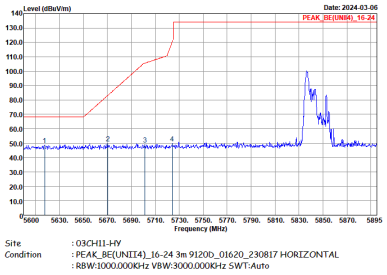
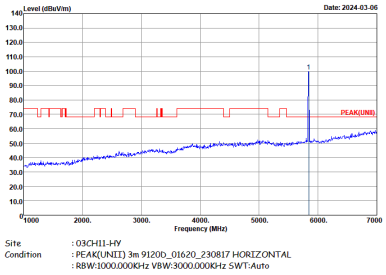
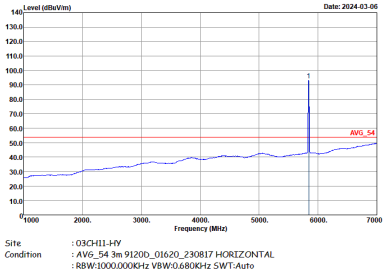
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH177 5885MHz	
1	Horizontal	Fundamental
Peak		Left blank
Avg		Left blank

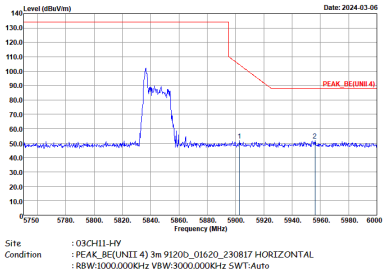
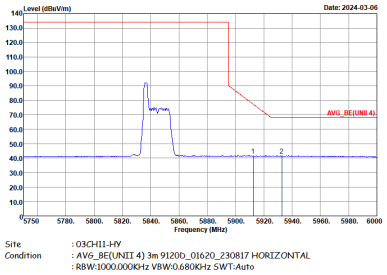
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH177 5885MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

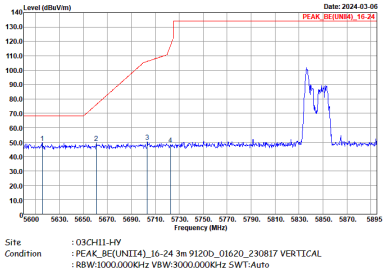
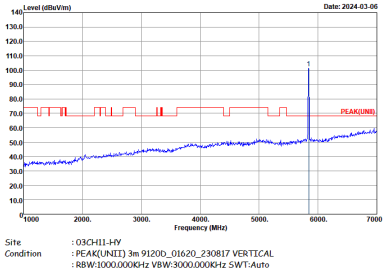
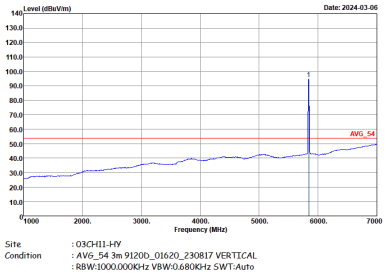
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH177 5885MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

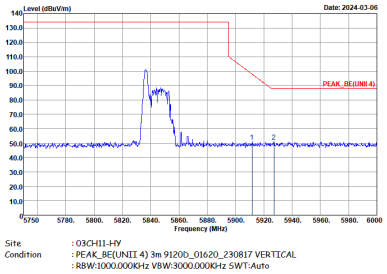
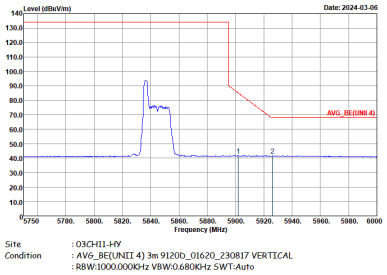
UNII-4 5835~5885MHz

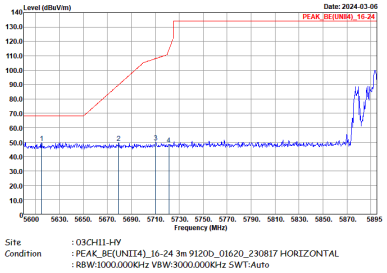
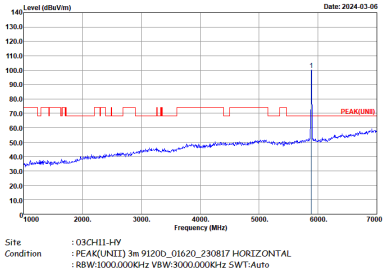
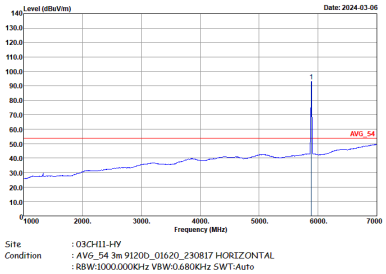
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

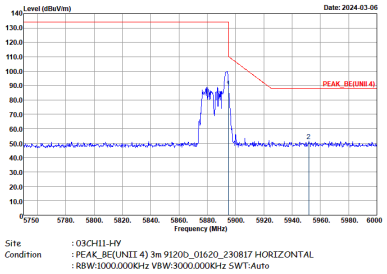
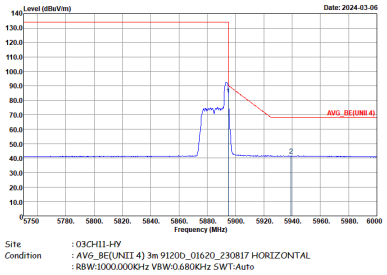
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

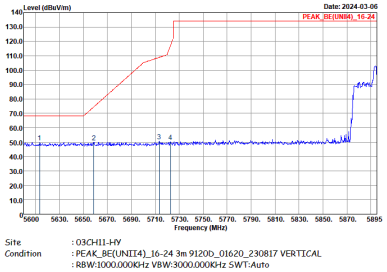
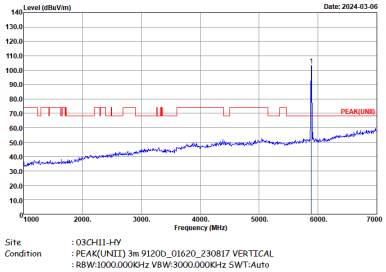
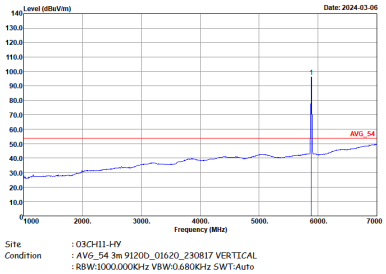
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
1	Horizontal	Fundamental
Peak		Left blank
Avg		Left blank

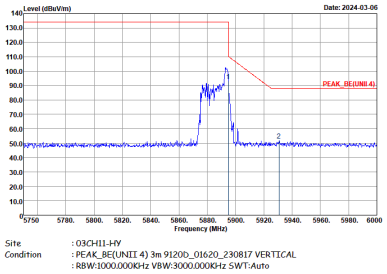
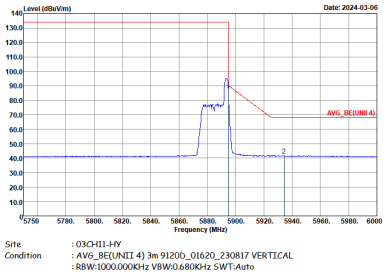
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH169 5845MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

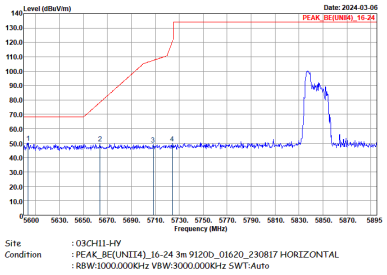
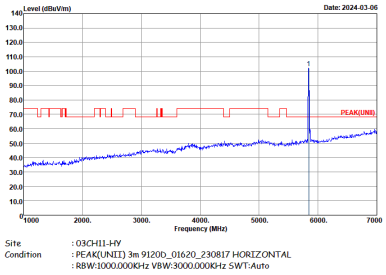
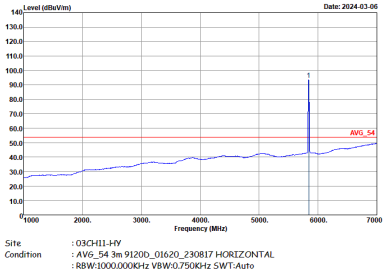
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
1	Horizontal	Fundamental
Peak		Left blank
Avg		Left blank

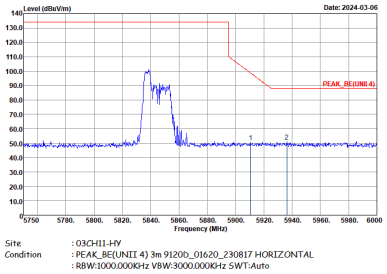
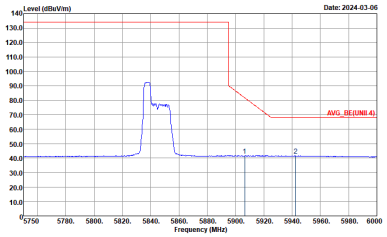
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

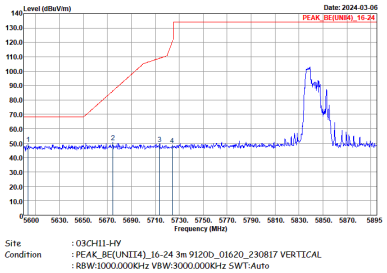
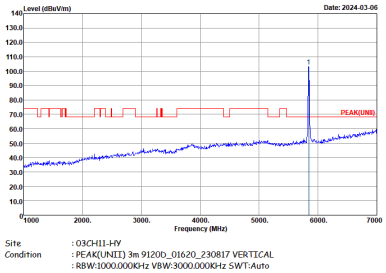
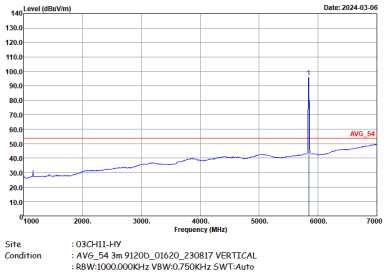
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH177 5885MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

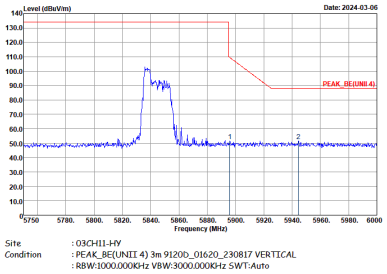
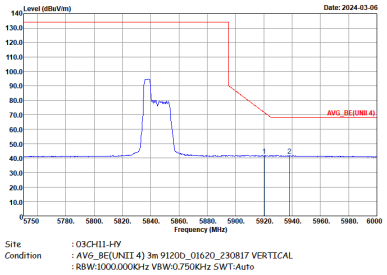
UNII-4 5835~5885MHz

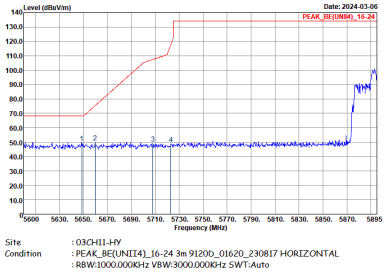
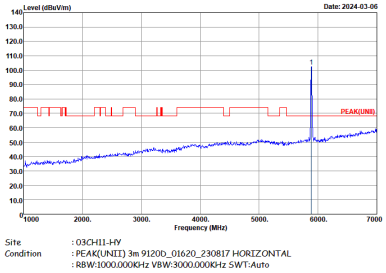
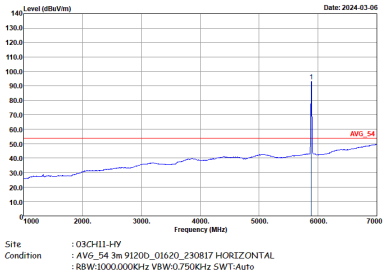
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

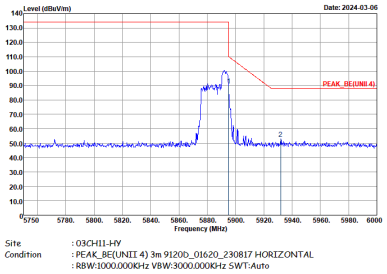
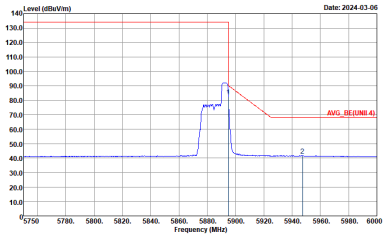
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

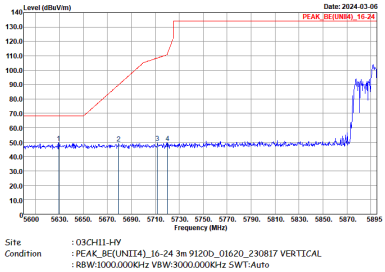
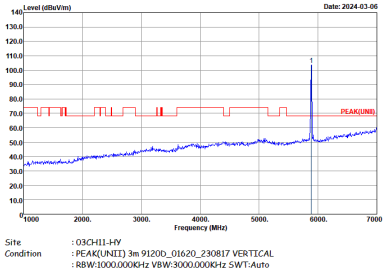
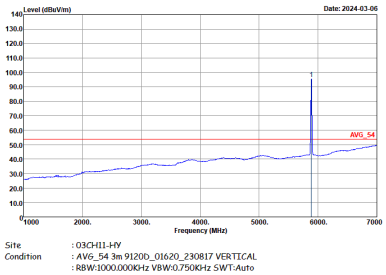
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

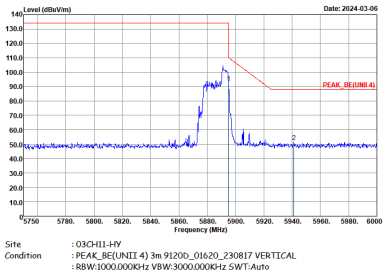
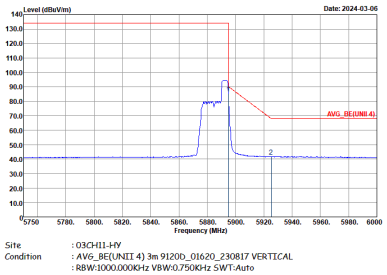
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH169 5845MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

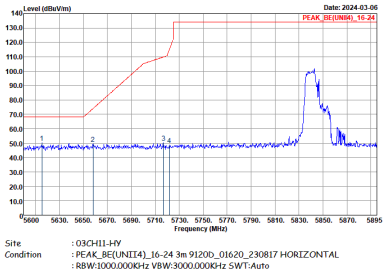
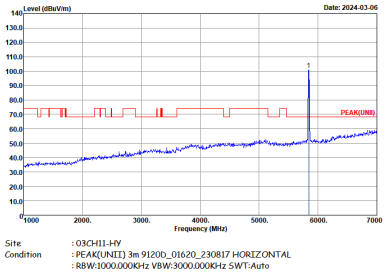
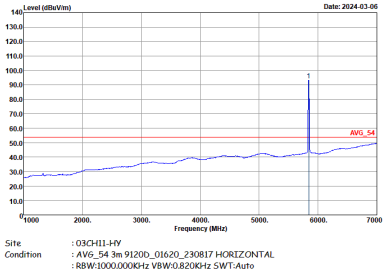
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	Left blank

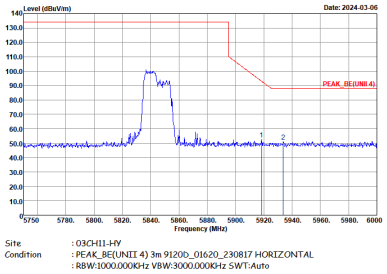
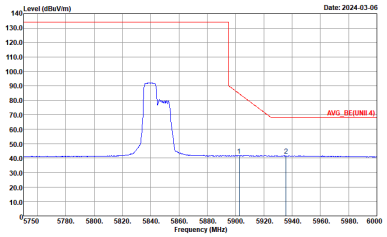
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

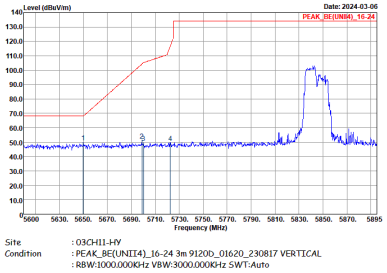
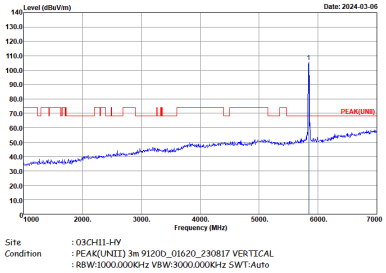
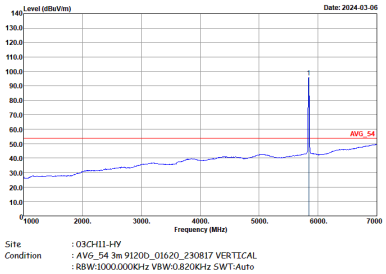
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH177 5885MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

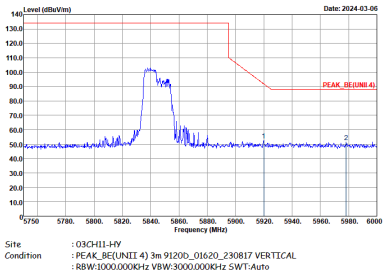
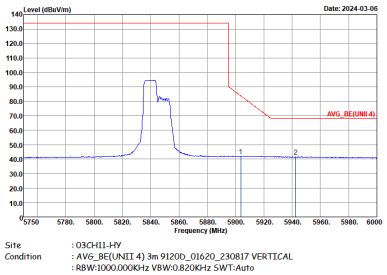
UNII-4 5835~5885MHz

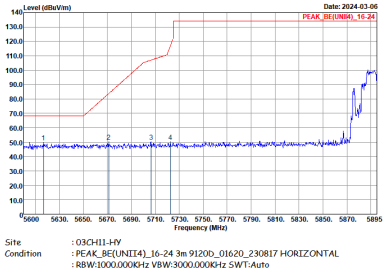
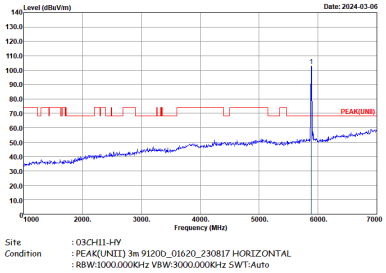
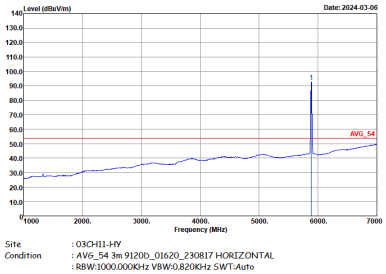
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

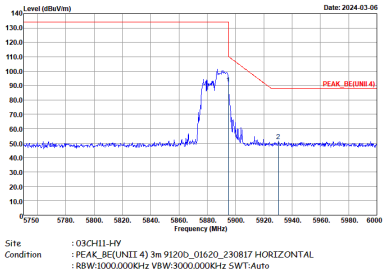
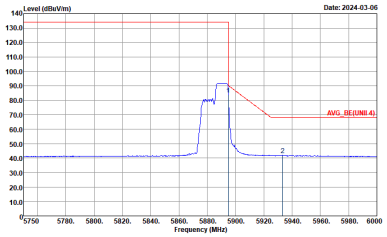
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH169 5845MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

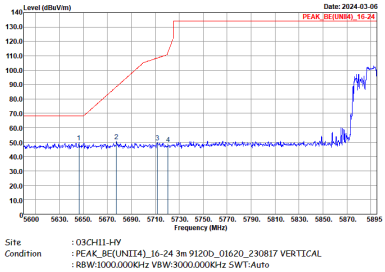
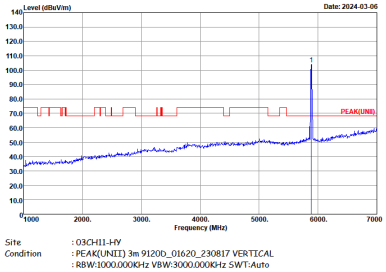
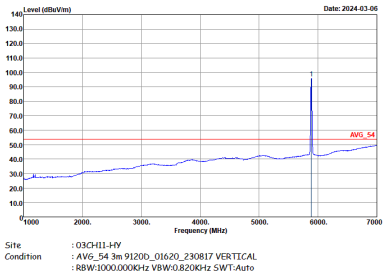
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH169 5845MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	Left blank

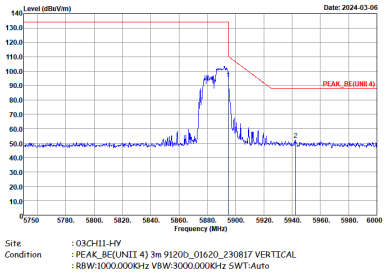
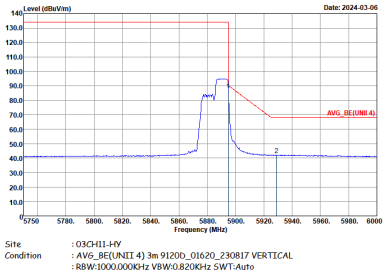
WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH169 5845MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH169 5845MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg		Left blank

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg	 Site : 03CH11-HY Condition : AVG_BE(UNII 4) 3m 9120b_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	Left blank

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	UNII-4 5835~5885MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz	
1	Vertical	Fundamental
Peak		Left blank
Avg	 Left blank	Left blank