FCC RADIO TEST REPORT

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

The product was received on Nov. 03, 2023 and testing was performed from Nov. 13, 2023 to Apr. 02, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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

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History of this test report

Report No.	Version	Description	Issue Date
FR420106F	01	Initial issue of report	Apr. 19, 2024
FR420106F	02	Revise Section 2.2 This report is an updated version, replacing the report issued on Apr. 19, 2024.	Apr. 26, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	10.29 dB under the limit at 5927.60 MHz
3.5	15.207	AC Conducted Emission	Pass	25.76 dB under the limit at 0.15 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Yun Huang

Report Producer: Rebecca Wu

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**
1J6501133103033A300F0F	RF Conducted Measurement
41311JEAYL00E3	Radiated Spurious Emission
41311JEAYL0087	Conducted Emission

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	-4.2

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

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

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

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

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

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

Single Mode

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

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

Ch. #		Band IV：5725-5850 MHz	
		802.11a	802.11n HT20
L	Low	149	149
M	Middle	157	157
H	High	165	165

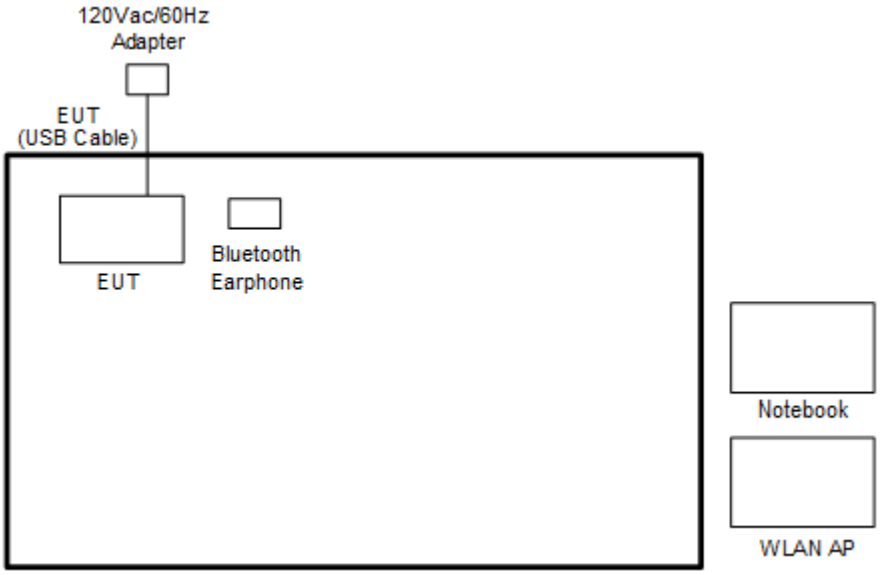
Ch. #		Band IV：5725-5850 MHz		
		802.11ac VHT20	802.11ac VHT40	802.11ac VHT80
L	Low	149	151	-
M	Middle	157	-	155
H	High	165	159	-

Ch. #		Band IV：5725-5850 MHz		
		802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	149	151	-
M	Middle	157	-	155
H	High	165	159	-

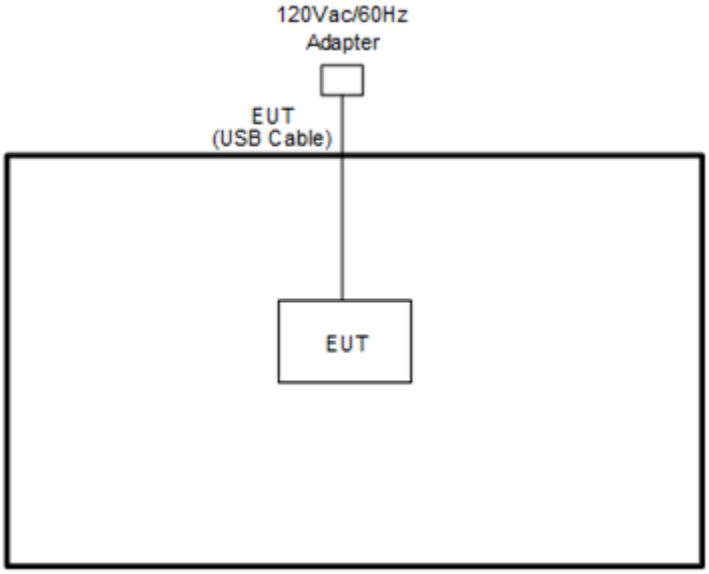
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony	SBH20	PY7-RD0010	N/A	N/A
2.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	AC Adapter	Chicony	G9BR1	N/A	N/A	N/A

Remark: Applicant has ensured support unit would not be attached with the product on the market, support unit is provided by lab or applicant for testing.

2.5 EUT Operation Test Setup

The RF test items, utility “Cmd Version 1.0.32” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

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

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

26dB and 99% Occupied bandwidth are reporting only.

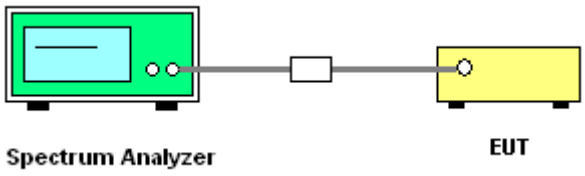
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup



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

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Measuring Instruments

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

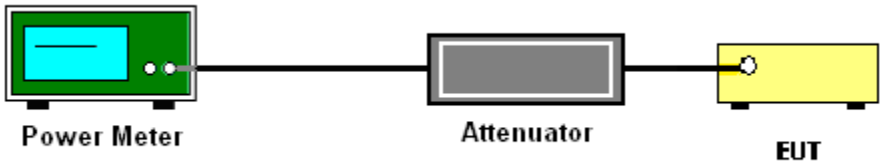
3.2.3 Test Procedures

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

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

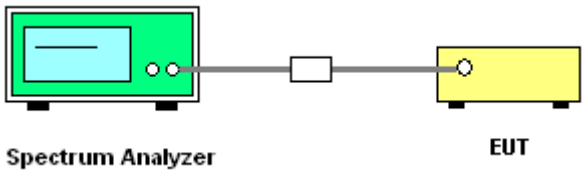
 # Method SA-2 #

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

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- 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.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(2) Unwanted spurious emissions falls in restricted bands shall comply with the general field strength limits as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

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

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

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

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 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

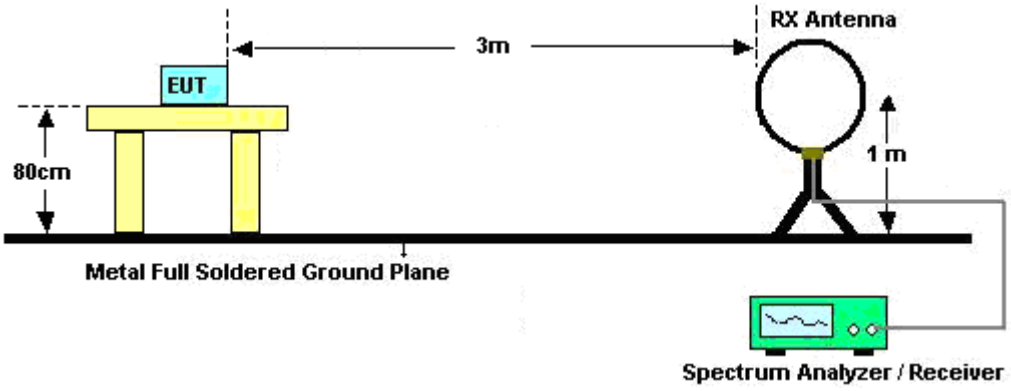
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - 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 is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

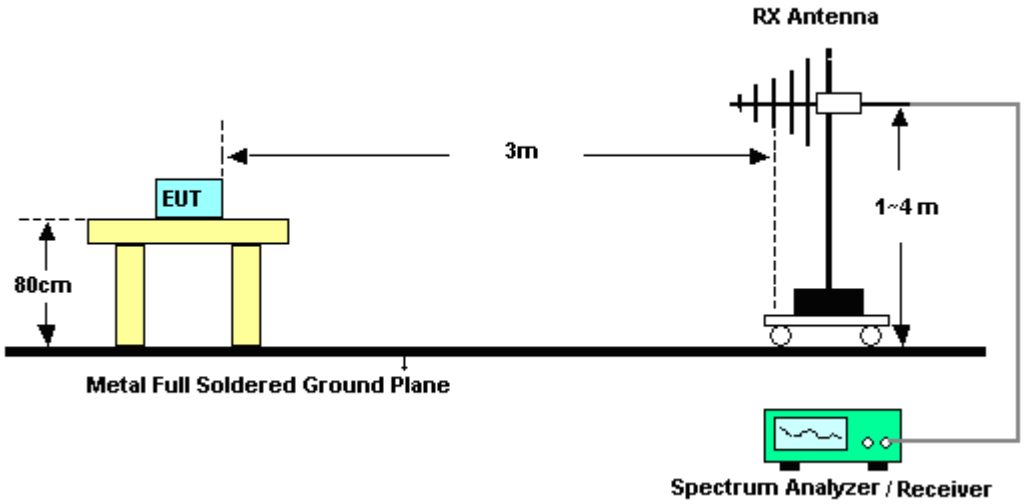
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies.
   When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

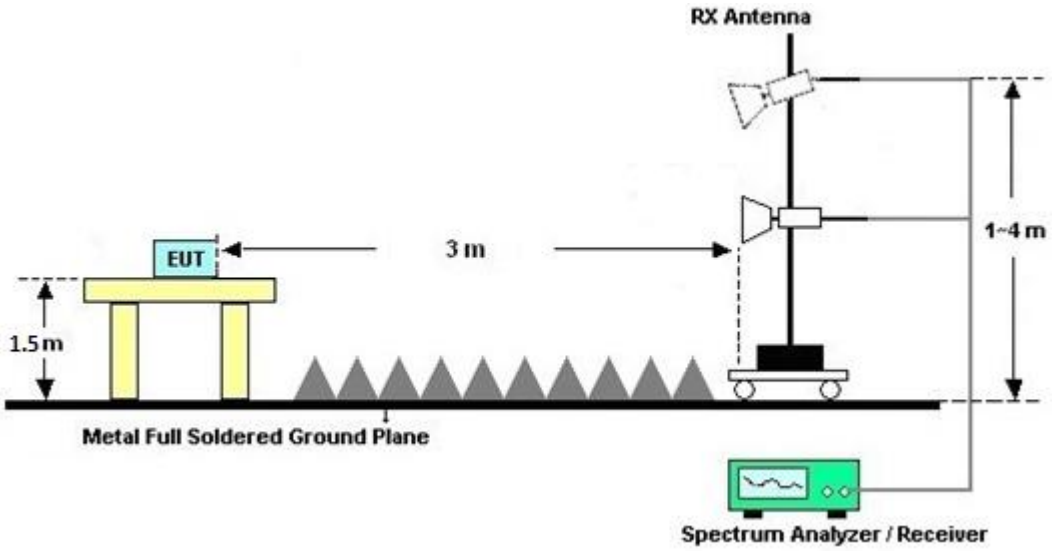
For radiated emissions below 30MHz



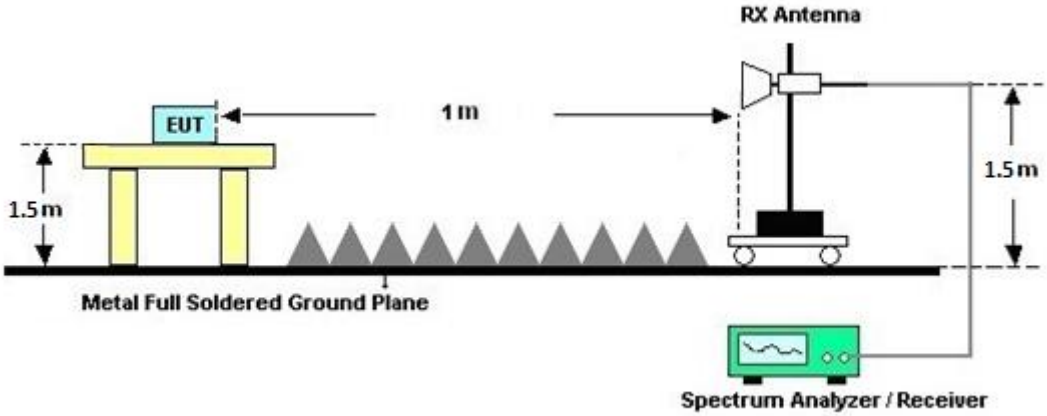
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (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.

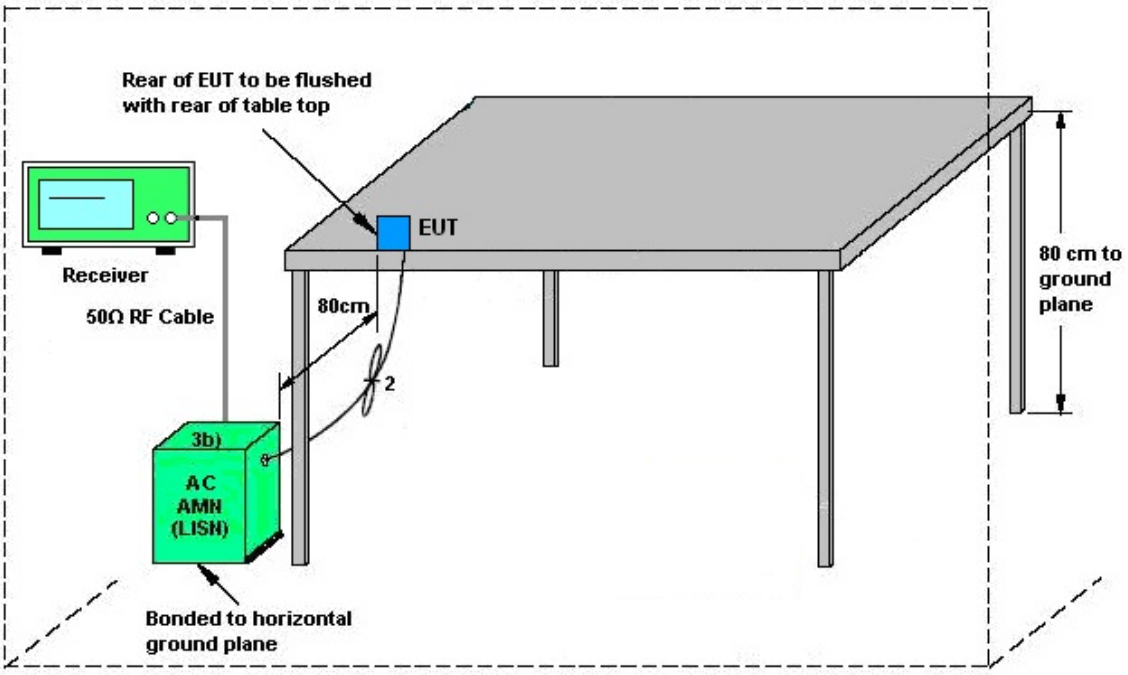
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07. 2023	Nov. 13, 2023~ Mar. 26, 2024	Nov. 06. 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 36 (NO:35)	10MHz~6GHz	Aug. 23, 2023	Nov. 13, 2023~ Mar. 26, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Nov. 13, 2023~ Mar. 26, 2024	Sep. 11, 2024	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Mar. 09, 2024~ Apr. 02, 2024	Sep. 11, 2024	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2023	Mar. 09, 2024~ Apr. 02, 2024	Nov. 23, 2024	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz to 1GHz	Oct. 07, 2023	Mar. 09, 2024~ Apr. 02, 2024	Oct. 06, 2024	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 23, 2023	Mar. 09, 2024~ Mar. 21, 2024	Mar. 22, 2024	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02038	1G~18GHz	Jul. 31, 2023	Mar. 22, 2024~ Apr. 02, 2024	Jul. 30, 2024	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 03, 2023	Mar. 09, 2024~ Apr. 02, 2024	Jul. 02, 2024	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 07, 2023	Mar. 09, 2024~ Apr. 02, 2024	Dec. 06, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 25, 2023	Mar. 09, 2024~ Apr. 02, 2024	Dec. 24, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Mar. 09, 2024~ Apr. 02, 2024	Jun. 26, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 15, 2024	Mar. 09, 2024~ Apr. 02, 2024	Jan. 14, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN3	3GHz High Pass Filter	Jun. 29, 2023	Mar. 09, 2024~ Apr. 02, 2024	Jun. 28, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN27	6.75GHz High Pass Filter	Nov. 13, 2023	Mar. 09, 2024~ Apr. 02, 2024	Nov. 12, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Mar. 09, 2024~ Apr. 02, 2024	Mar. 05, 2025	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-5757,805935/4,802434/4	30MHz~18GHz	Aug. 08, 2023	Mar. 09, 2024~ Apr. 02, 2024	Aug. 07, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	18-40GHz	Jan. 02, 2024	Mar. 09, 2024~ Apr. 02, 2024	Jan. 01, 2025	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Mar. 09, 2024~ Apr. 02, 2024	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Mar. 09, 2024~ Apr. 02, 2024	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 09, 2024~ Apr. 02, 2024	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 09, 2024~ Apr. 02, 2024	N/A	Radiation (03CH16-HY)

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)

5 Measurement Uncertainty

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.50 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu and Henry Ke	Temperature:	21~25	°C
Test Date:	2023/11/13 ~2024/03/26	Relative Humidity:	51~54	%

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

U-NII-3 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	149	5745	17.53	-	27.12	-	16.50	-	0.5	Pass
11a	6Mbps	1	157	5785	17.38	-	24.24	-	16.40	-	0.5	Pass
11a	6Mbps	1	165	5825	17.48	-	26.96	-	16.45	-	0.5	Pass
HT20	MCS0	1	149	5745	18.68	-	33.28	-	17.70	-	0.5	Pass
HT20	MCS0	1	157	5785	18.53	-	31.12	-	17.70	-	0.5	Pass
HT20	MCS0	1	165	5825	18.38	-	34.16	-	17.70	-	0.5	Pass
HT40	MCS0	1	151	5755	37.36	-	73.44	-	36.54	-	0.5	Pass
HT40	MCS0	1	159	5795	38.06	-	76.32	-	36.54	-	0.5	Pass
VHT20	MCS0	1	149	5745	18.53	-	36.40	-	17.70	-	0.5	Pass
VHT20	MCS0	1	157	5785	18.53	-	28.64	-	17.70	-	0.5	Pass
VHT20	MCS0	1	165	5825	18.38	-	31.92	-	17.70	-	0.5	Pass
VHT40	MCS0	1	151	5755	37.26	-	61.60	-	36.54	-	0.5	Pass
VHT40	MCS0	1	159	5795	37.06	-	78.08	-	36.54	-	0.5	Pass
VHT80	MCS0	1	155	5775	75.88	-	82.88	-	75.84	-	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	17.10	-		30.00	-	-4.20	0.00	Pass
11a	6Mbps	1	157	5785	17.20	-		30.00	-	-4.20	0.00	Pass
11a	6Mbps	1	165	5825	17.20	-		30.00	-	-4.20	0.00	Pass
HT20	MCS0	1	149	5745	17.30	-		30.00	-	-4.20	0.00	Pass
HT20	MCS0	1	157	5785	17.20	-		30.00	-	-4.20	0.00	Pass
HT20	MCS0	1	165	5825	17.00	-		30.00	-	-4.20	0.00	Pass
HT40	MCS0	1	151	5755	16.30	-		30.00	-	-4.20	0.00	Pass
HT40	MCS0	1	159	5795	16.10	-		30.00	-	-4.20	0.00	Pass
VHT20	MCS0	1	149	5745	17.30	-		30.00	-	-4.20	0.00	Pass
VHT20	MCS0	1	157	5785	17.20	-		30.00	-	-4.20	0.00	Pass
VHT20	MCS0	1	165	5825	17.00	-		30.00	-	-4.20	0.00	Pass
VHT40	MCS0	1	151	5755	16.30	-		30.00	-	-4.20	0.00	Pass
VHT40	MCS0	1	159	5795	16.10	-		30.00	-	-4.20	0.00	Pass
VHT80	MCS0	1	155	5775	15.30	-		30.00	-	-4.20	0.00	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	0.42		2.22	-	3.14	-		30.00	30.00	-4.20	0.00	Pass
11a	6Mbps	1	157	5785	0.42		2.22	-	3.01	-		30.00	30.00	-4.20	0.00	Pass
11a	6Mbps	1	165	5825	0.42		2.22	-	2.72	-		30.00	30.00	-4.20	0.00	Pass
HT20	MCS0	1	149	5745	0.47		2.22	-	2.03	-		30.00	30.00	-4.20	0.00	Pass
HT20	MCS0	1	157	5785	0.47		2.22	-	2.15	-		30.00	30.00	-4.20	0.00	Pass
HT20	MCS0	1	165	5825	0.47		2.22	-	1.97	-		30.00	30.00	-4.20	0.00	Pass
HT40	MCS0	1	151	5755	0.49		2.22	-	-1.74	-		30.00	30.00	-4.20	0.00	Pass
HT40	MCS0	1	159	5795	0.49		2.22	-	-1.71	-		30.00	30.00	-4.20	0.00	Pass
VHT20	MCS0	1	149	5745	0.44		2.22	-	2.03	-		30.00	30.00	-4.20	0.00	Pass
VHT20	MCS0	1	157	5785	0.44		2.22	-	2.05	-		30.00	30.00	-4.20	0.00	Pass
VHT20	MCS0	1	165	5825	0.44		2.22	-	1.70	-		30.00	30.00	-4.20	0.00	Pass
VHT40	MCS0	1	151	5755	0.46		2.22	-	-1.83	-		30.00	30.00	-4.20	0.00	Pass
VHT40	MCS0	1	159	5795	0.46		2.22	-	-1.76	-		30.00	30.00	-4.20	0.00	Pass
VHT80	MCS0	1	155	5775	0.52		2.22	-	-5.55	-		30.00	30.00	-4.20	0.00	Pass

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

U-NII-3 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	1	149	5745	Full	19.33	-	26.40	-	19.10	-	0.5	Pass
HE20	MCS0	1	157	5785	Full	19.28	-	26.24	-	18.95	-	0.5	Pass
HE20	MCS0	1	165	5825	Full	19.28	-	30.32	-	19.05	-	0.5	Pass
HE40	MCS0	1	151	5755	Full	37.96	-	43.04	-	37.80	-	0.5	Pass
HE40	MCS0	1	159	5795	Full	37.96	-	49.92	-	37.89	-	0.5	Pass
HE80	MCS0	1	155	5775	Full	76.96	-	82.56	-	76.96	-	0.5	Pass

TEST RESULTS DATA
Average Power Table

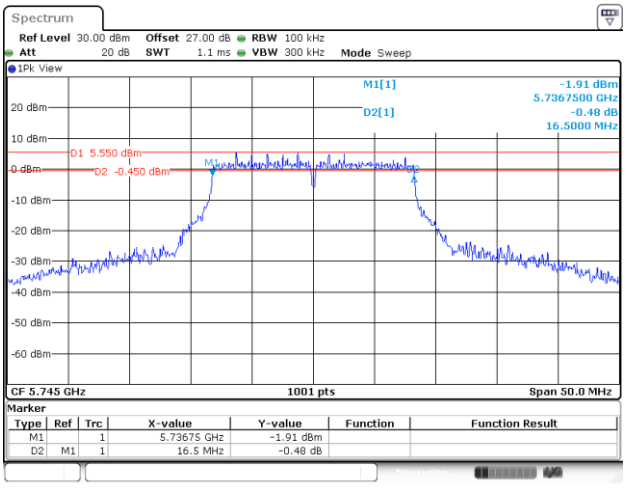
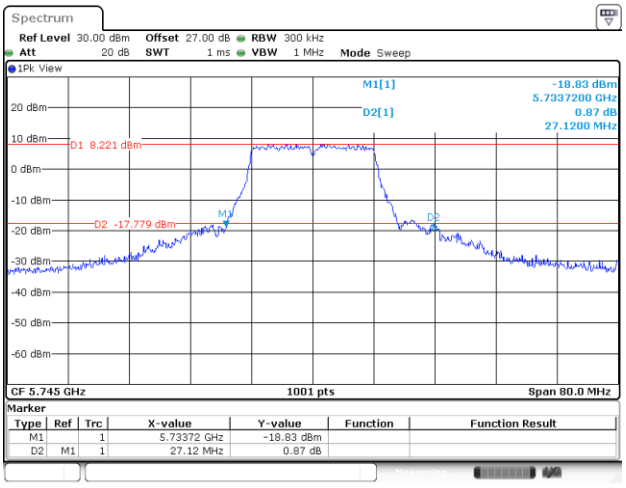
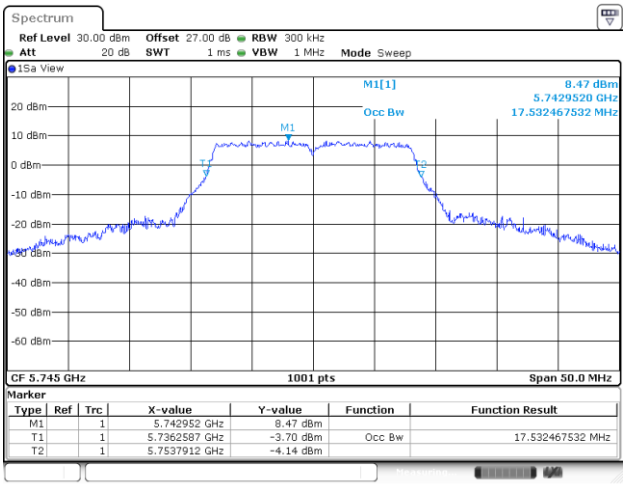
U-NII-3 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	149	5745	Full	17.30	-		30.00	-	-4.20	0.00	Pass
HE20	MCS0	1	149	5745	26/0	8.10	-		30.00	-	-4.20	0.00	Pass
HE20	MCS0	1	149	5745	52/37	11.10	-		30.00	-	-4.20	0.00	Pass
HE20	MCS0	1	149	5745	106/53	14.10	-		30.00	-	-4.20	0.00	Pass
HE20	MCS0	1	157	5785	Full	17.20	-		30.00	-	-4.20	0.00	Pass
HE20	MCS0	1	157	5785	26/4	7.80	-		30.00	-	-4.20	0.00	Pass
HE20	MCS0	1	157	5785	52/38	11.00	-		30.00	-	-4.20	0.00	Pass
HE20	MCS0	1	157	5785	106/53	13.90	-		30.00	-	-4.20	0.00	Pass
HE20	MCS0	1	165	5825	Full	17.00	-		30.00	-	-4.20	0.00	Pass
HE20	MCS0	1	165	5825	26/8	6.90	-		30.00	-	-4.20	0.00	Pass
HE20	MCS0	1	165	5825	52/40	10.40	-		30.00	-	-4.20	0.00	Pass
HE20	MCS0	1	165	5825	106/54	13.00	-		30.00	-	-4.20	0.00	Pass
HE40	MCS0	1	151	5755	Full	16.30	-		30.00	-	-4.20	0.00	Pass
HE40	MCS0	1	159	5795	Full	16.10	-		30.00	-	-4.20	0.00	Pass
HE80	MCS0	1	155	5775	Full	15.20	-		30.00	-	-4.20	0.00	Pass

TEST RESULTS DATA
Power Spectral Density

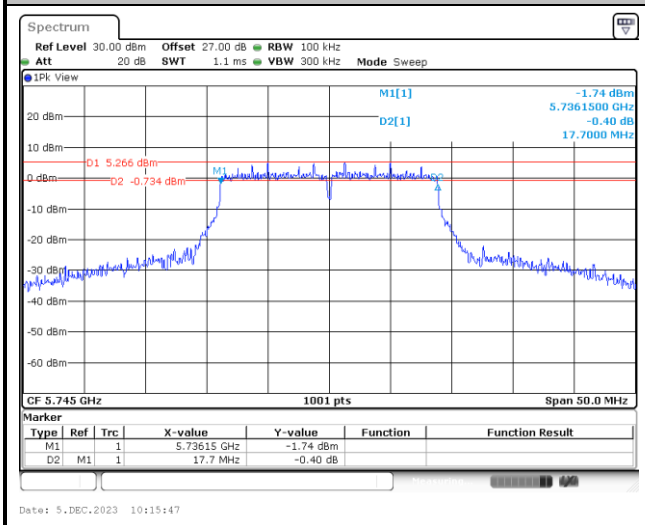
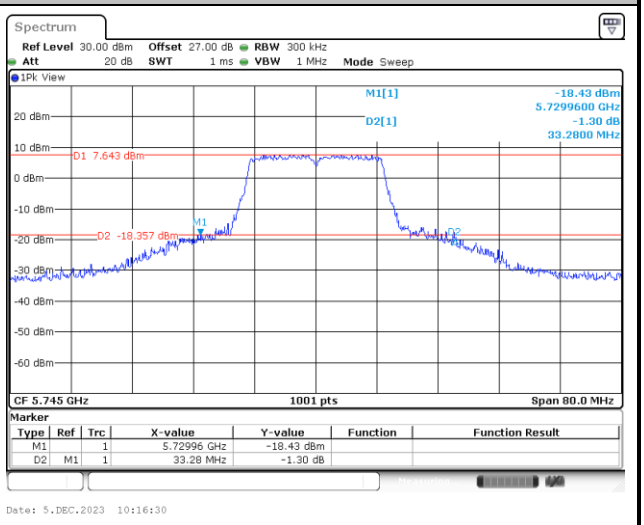
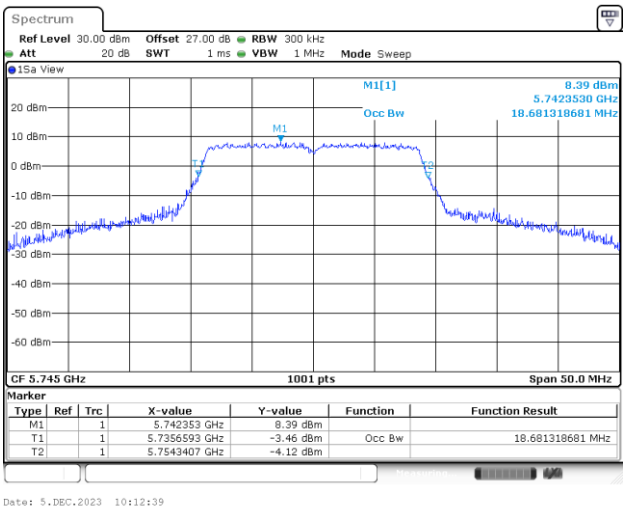
U-NII-3 single antenna																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	149	5745	Full	0.58	-	2.22	-	2.16	-		30.00	30.00	-4.20	0.00	Pass
HE20	MCS0	1	149	5745	26/0	0.25	-	2.22	-	2.11	-		30.00	30.00	-4.20	0.00	Pass
HE20	MCS0	1	149	5745	52/37	0.30	-	2.22	-	2.08	-		30.00	30.00	-4.20	0.00	Pass
HE20	MCS0	1	149	5745	106/53	0.33	-	2.22	-	2.12	-		30.00	30.00	-4.20	0.00	Pass
HE20	MCS0	1	157	5785	Full	0.58	-	2.22	-	2.05	-		30.00	30.00	-4.20	0.00	Pass
HE20	MCS0	1	157	5785	26/4	0.25	-	2.22	-	1.75	-		30.00	30.00	-4.20	0.00	Pass
HE20	MCS0	1	157	5785	52/38	0.30	-	2.22	-	2.04	-		30.00	30.00	-4.20	0.00	Pass
HE20	MCS0	1	157	5785	106/53	0.33	-	2.22	-	1.94	-		30.00	30.00	-4.20	0.00	Pass
HE20	MCS0	1	165	5825	Full	0.58	-	2.22	-	1.56	-		30.00	30.00	-4.20	0.00	Pass
HE20	MCS0	1	165	5825	26/8	0.25	-	2.22	-	1.10	-		30.00	30.00	-4.20	0.00	Pass
HE20	MCS0	1	165	5825	52/40	0.30	-	2.22	-	1.53	-		30.00	30.00	-4.20	0.00	Pass
HE20	MCS0	1	165	5825	106/54	0.33	-	2.22	-	1.37	-		30.00	30.00	-4.20	0.00	Pass
HE40	MCS0	1	151	5755	Full	0.59	-	2.22	-	-1.93	-		30.00	30.00	-4.20	0.00	Pass
HE40	MCS0	1	159	5795	Full	0.59	-	2.22	-	-2.07	-		30.00	30.00	-4.20	0.00	Pass
HE80	MCS0	1	155	5775	Full	0.60	-	2.22	-	-5.59	-		30.00	30.00	-4.20	0.00	Pass

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

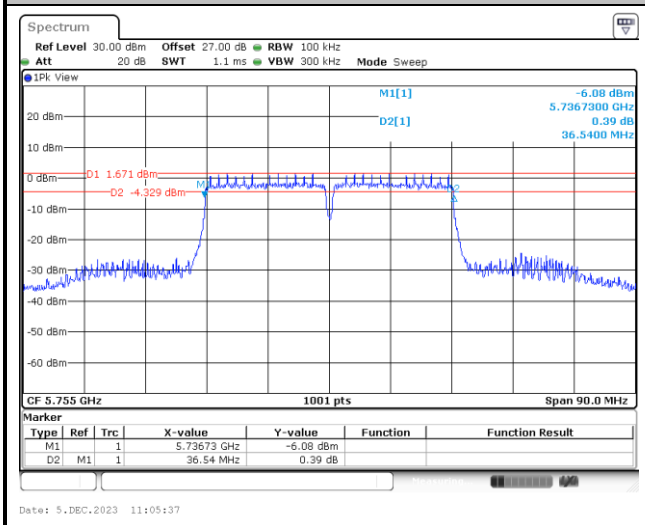
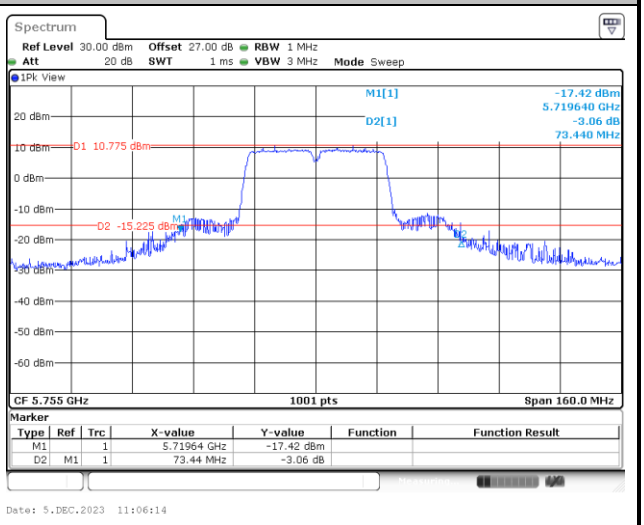
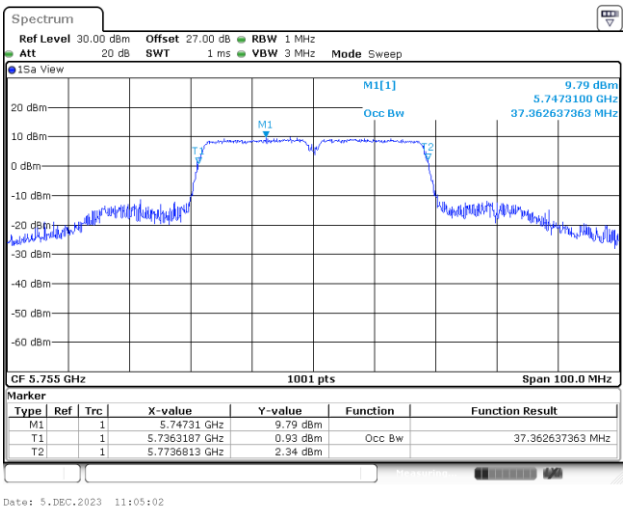
<802.11a>

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

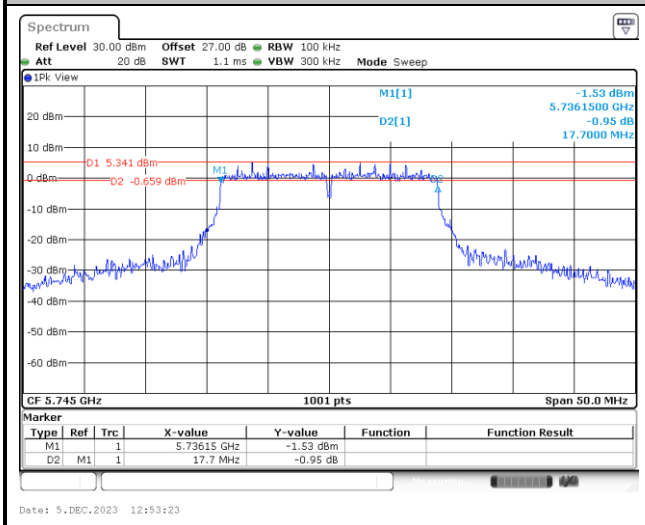
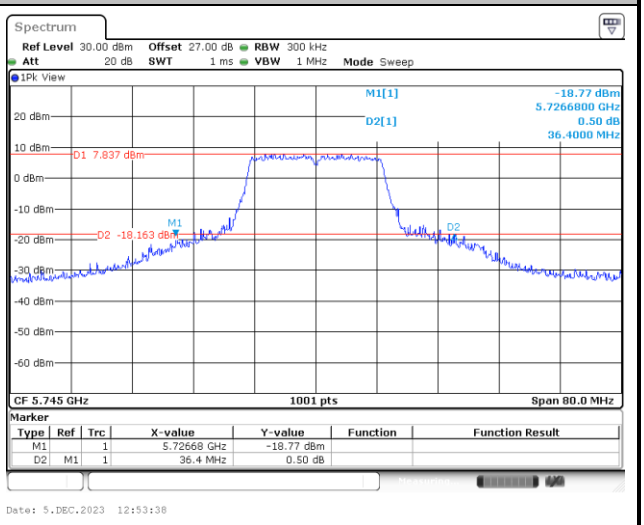
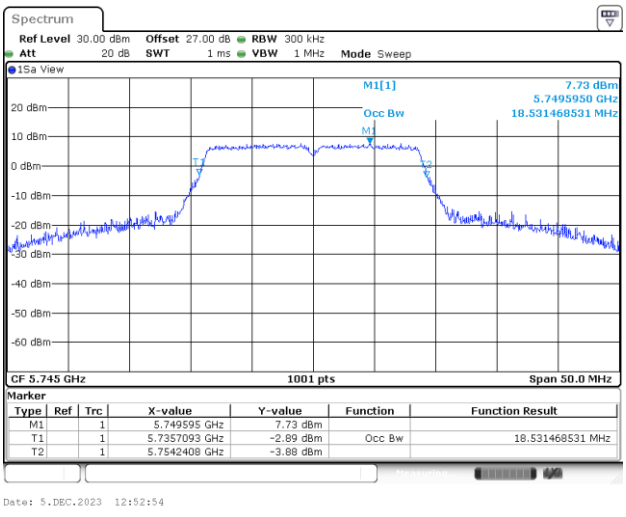
<802.11n HT20>

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

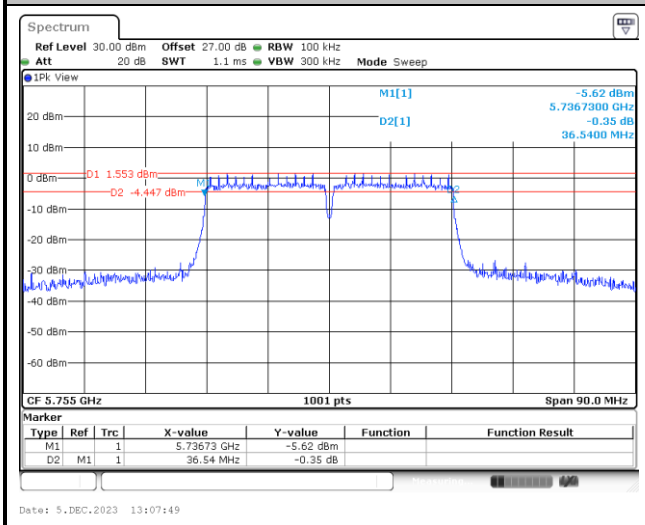
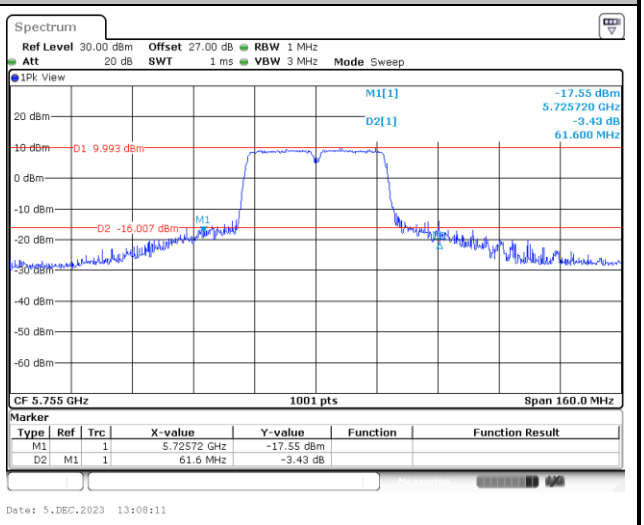
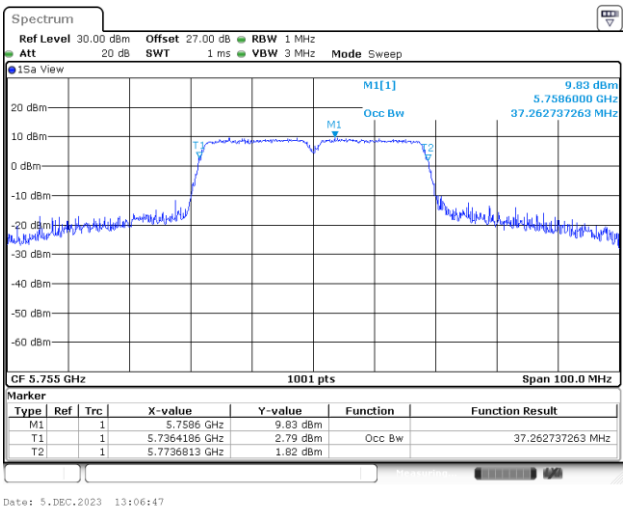
<802.11n HT40>

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

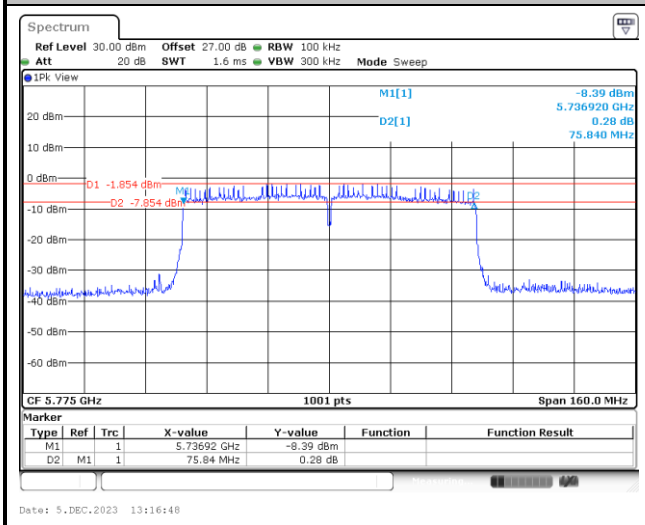
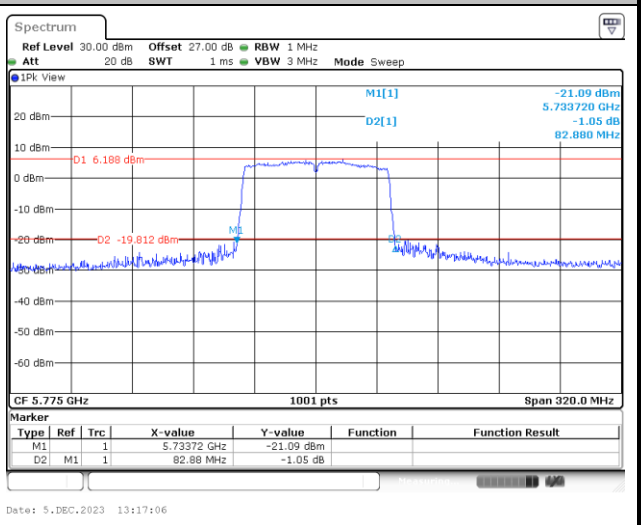
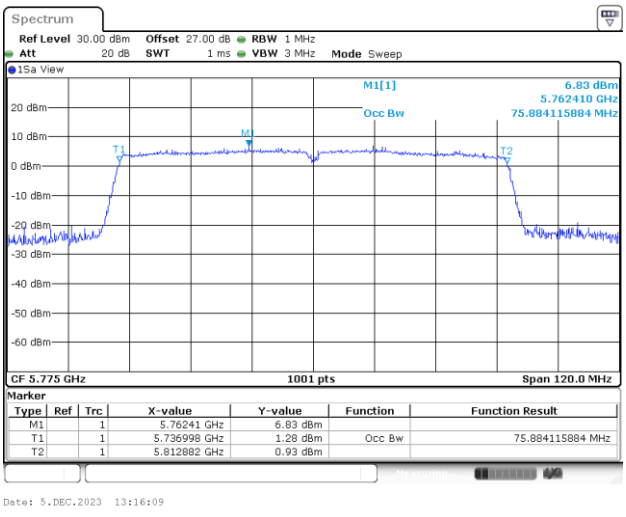
<802.11ac VHT20>

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

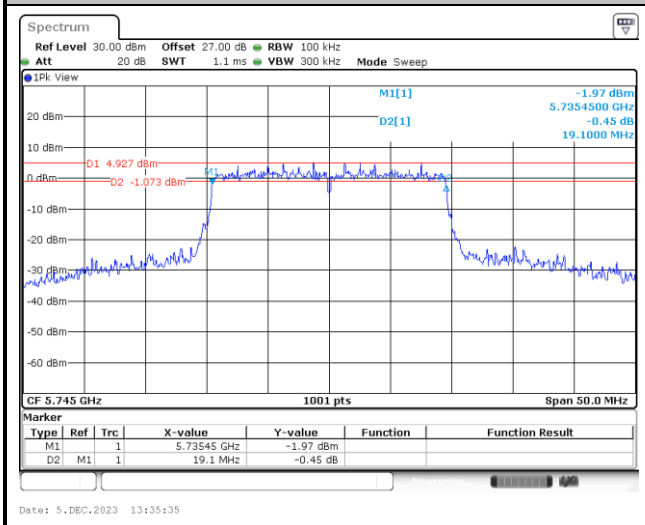
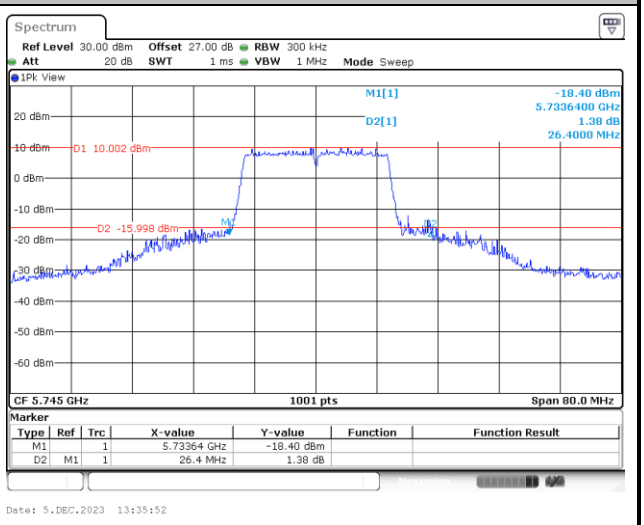
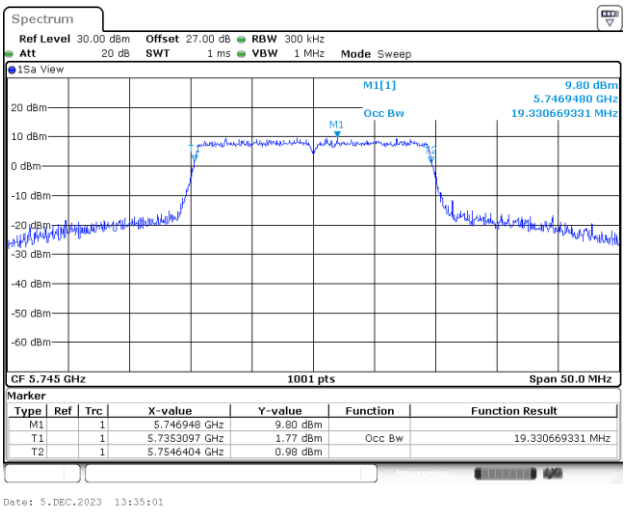
<802.11ac VHT40>

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

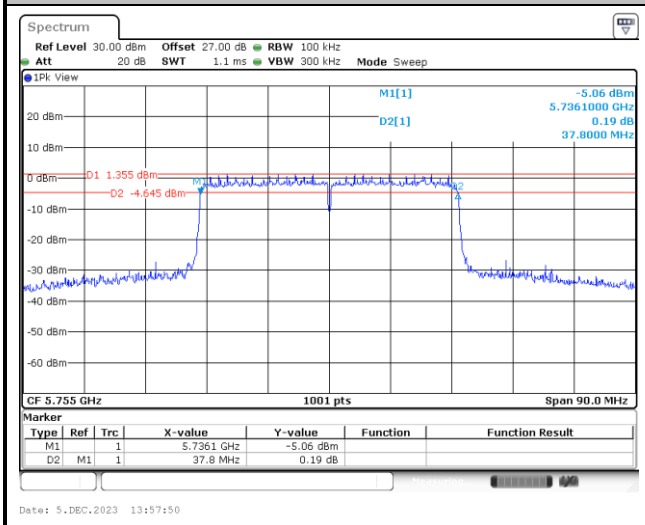
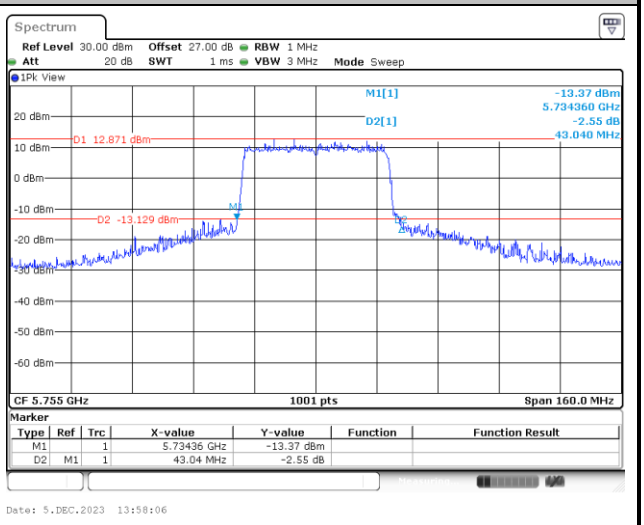
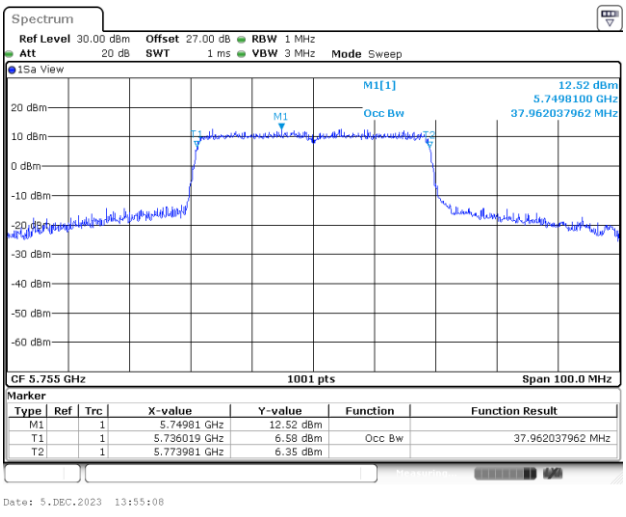
<802.11ac VHT80>

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

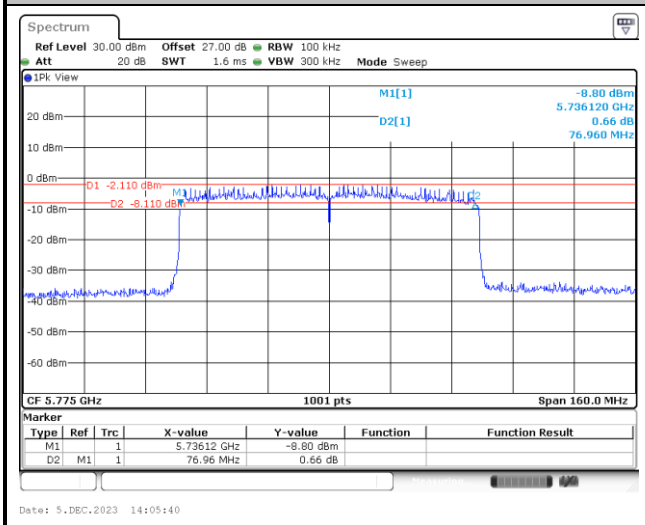
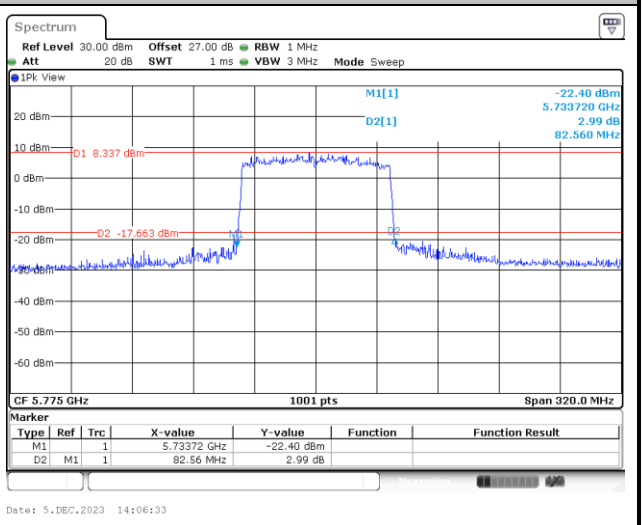
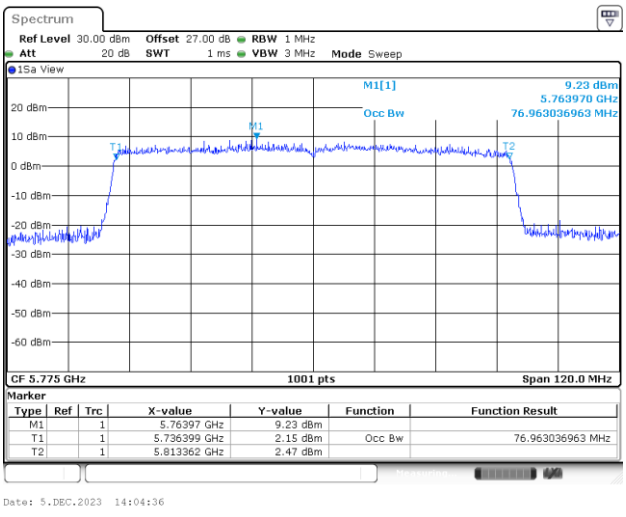
<802.11ax HE20>

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

<802.11ax HE40>

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

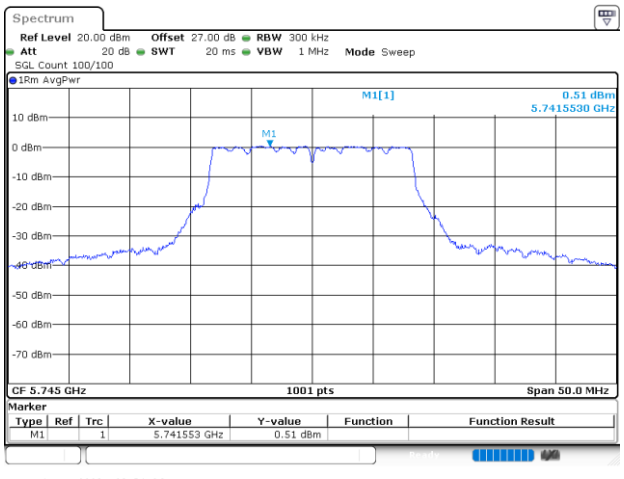
<802.11ax HE80>

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

Test Result of Power Spectral Density

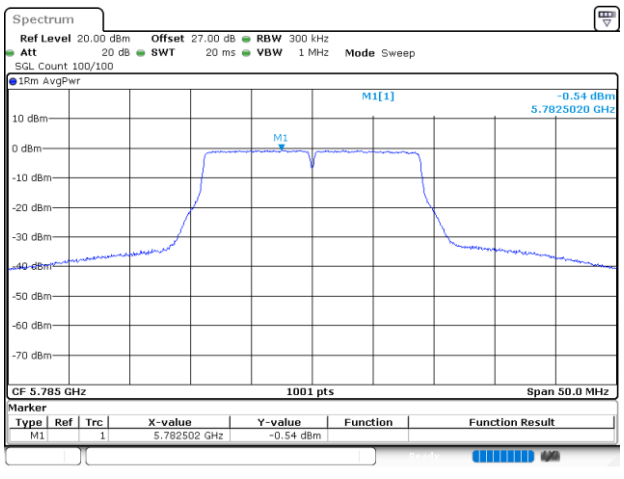
<802.11a>

Maximum Power Density Plot (dBm/300kHz)



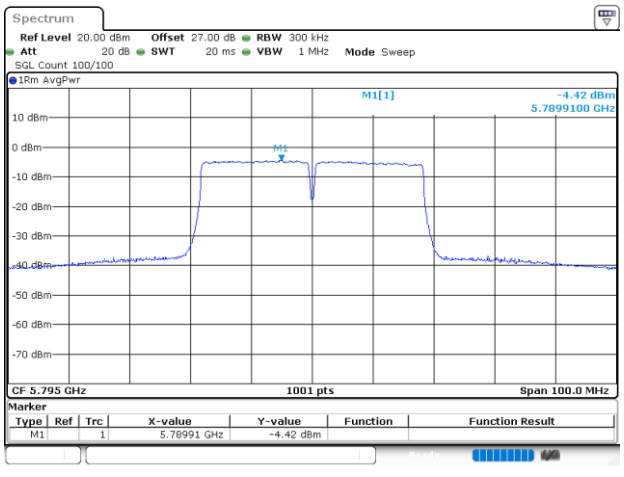
<802.11n HT20>

Maximum Power Density Plot (dBm/300kHz)



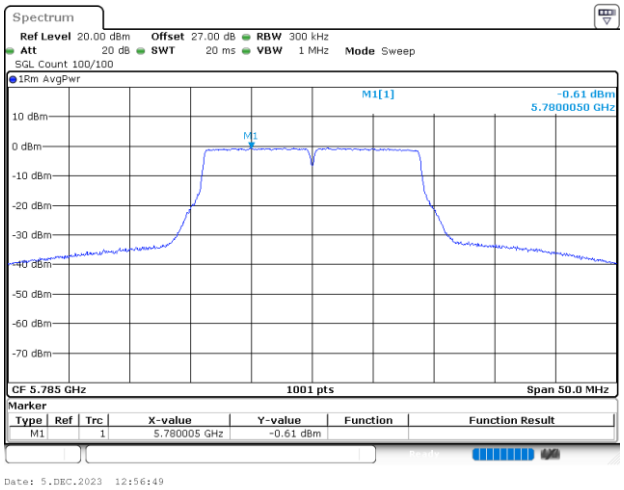
<802.11n HT40>

Maximum Power Density Plot (dBm/300kHz)

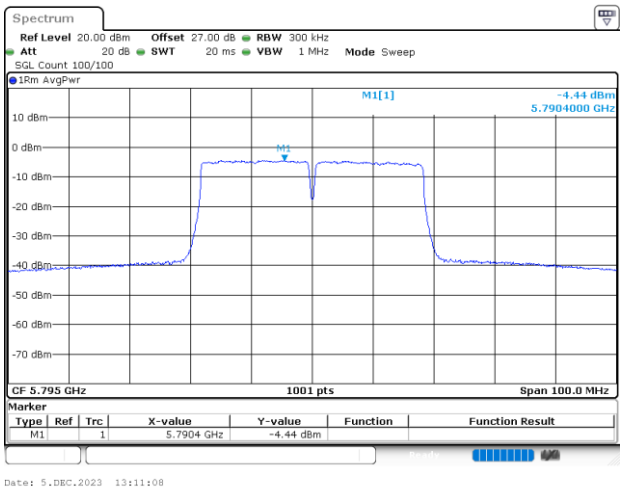


<802. 11ac VHT20>

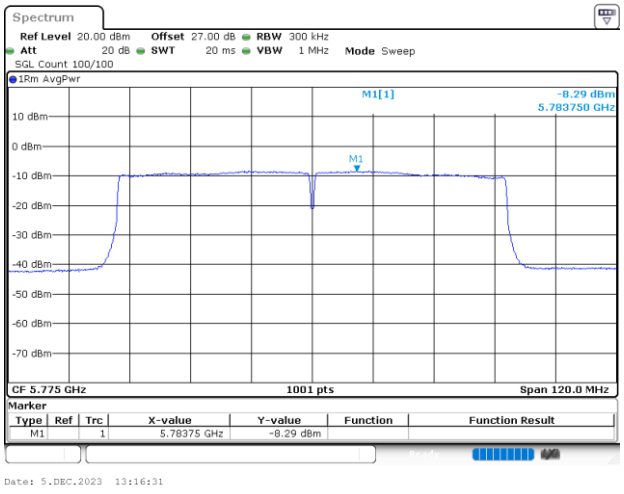
Maximum Power Density Plot (dBm/300kHz)



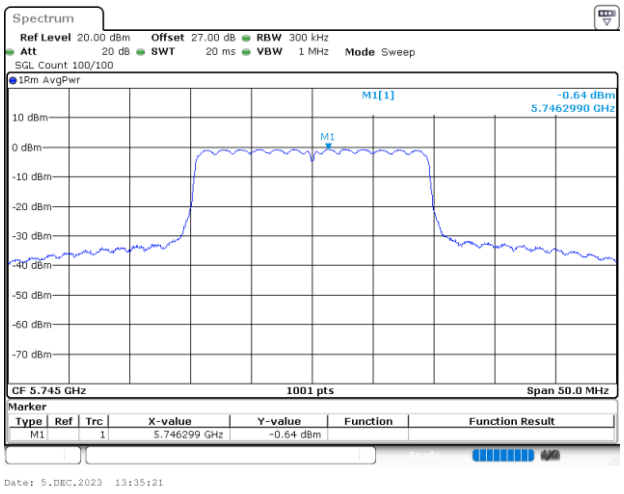
<802. 11ac VHT40>

Maximum Power Density Plot (dBm/300kHz)


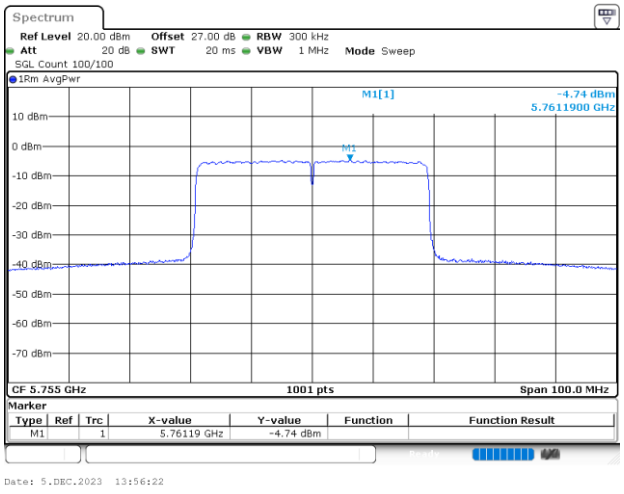
<802.11ac VHT80>

Maximum Power Density Plot (dBm/300kHz)


<802.11ax HE20>

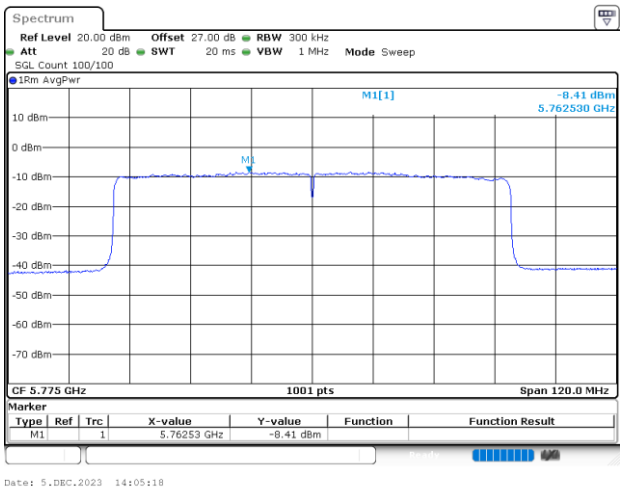
Maximum Power Density Plot (dBm/300kHz)


<802.11ax HE40>

Maximum Power Density Plot (dBm/300kHz)


<802.11ax HE80>

Maximum Power Density Plot (dBm/300kHz)

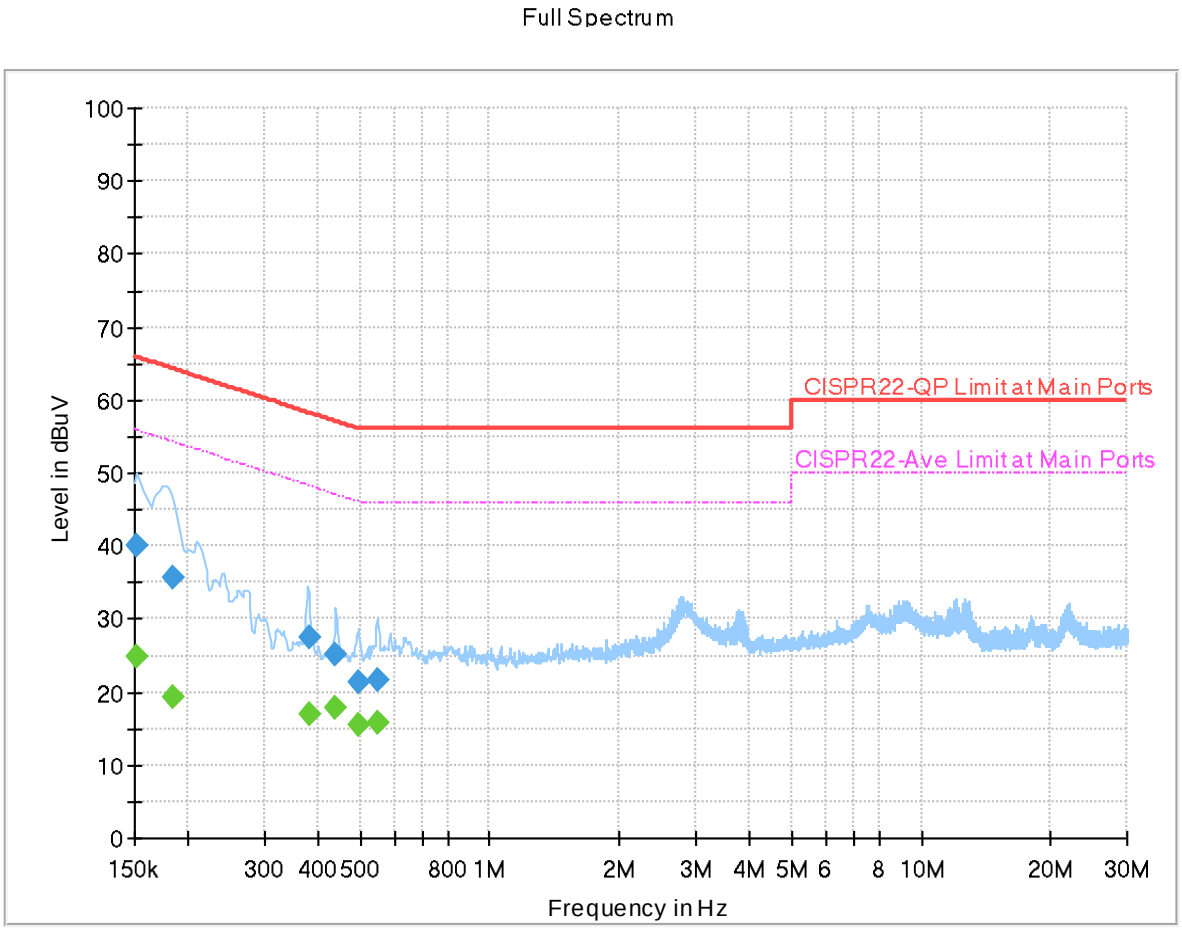


Appendix B. AC Conducted Emission Test Results

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

EUT Information

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

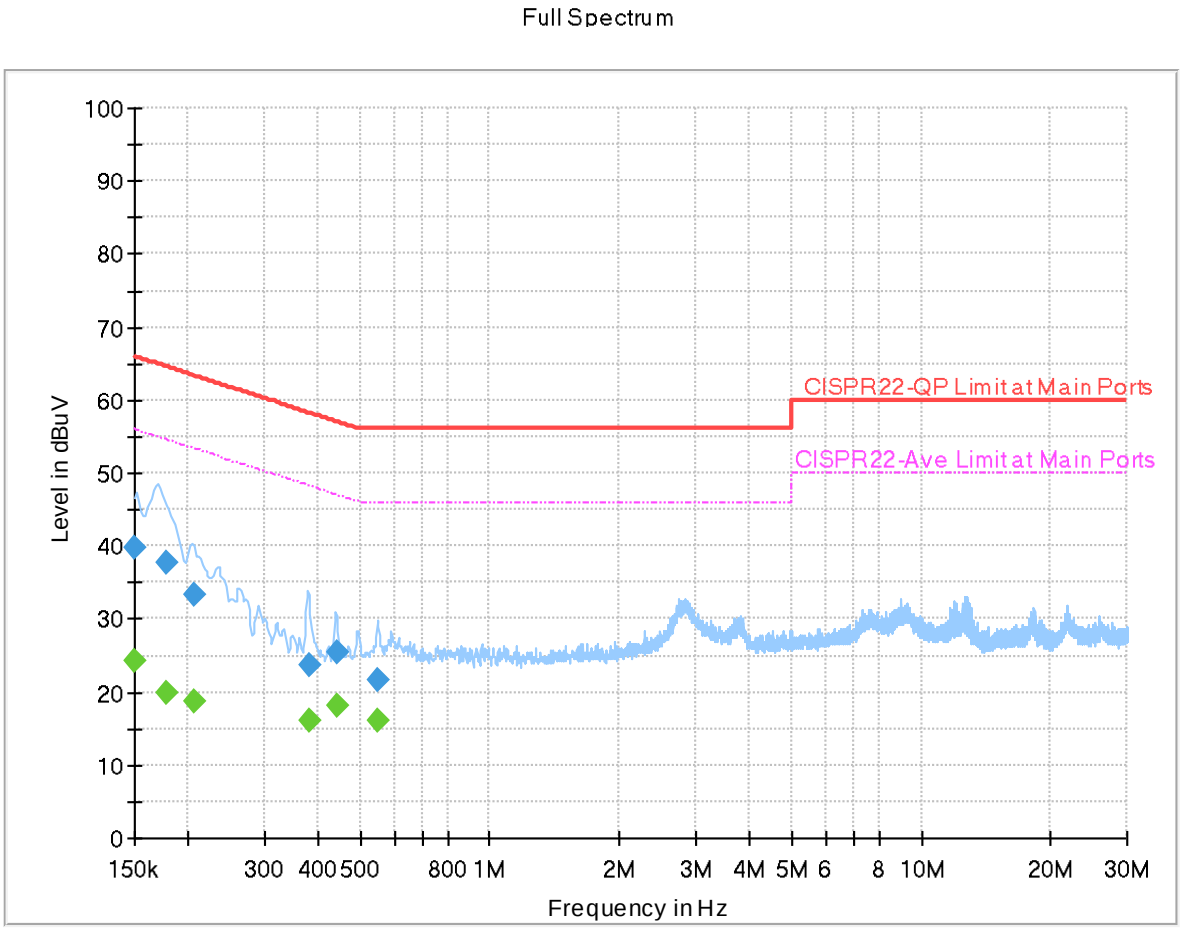


Final_Result

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

EUT Information

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



Final_Result

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

Appendix C. Radiated Spurious Emission

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

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5620.2	55.29	-12.91	68.2	39.81	32.98	11.87	29.37	400	10	P	H
		5659.6	56.03	-19.3	75.33	40.35	33.16	11.9	29.38	400	10	P	H
		5717	57.58	-52.38	109.96	41.53	33.5	11.94	29.39	400	10	P	H
		5725	65.55	-56.65	122.2	49.45	33.55	11.95	29.4	400	10	P	H
	*	5745	99.61	-	-	83.37	33.67	11.97	29.4	400	10	P	H
	*	5745	92.19	-	-	75.95	33.67	11.97	29.4	400	10	A	H
													H
													H
		5622.2	54.49	-13.71	68.2	39	32.99	11.87	29.37	400	54	P	V
		5698.8	54.08	-50.24	104.32	38.15	33.39	11.93	29.39	400	54	P	V
		5719.6	59	-51.69	110.69	42.92	33.52	11.95	29.39	400	54	P	V
		5724.2	62.31	-58.07	120.38	46.2	33.55	11.95	29.39	400	54	P	V
	*	5745	102.48	-	-	86.24	33.67	11.97	29.4	400	54	P	V
	*	5745	95.29	-	-	79.05	33.67	11.97	29.4	400	54	A	V
													V
													V

WIFI	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)
		5647.2	54.99	-13.21	68.2	39.39	33.09	11.89	29.38	340	4	P	H
		5658.8	55.38	-19.36	74.74	39.71	33.15	11.9	29.38	340	4	P	H
		5700.2	55	-50.26	105.26	39.06	33.4	11.93	29.39	340	4	P	H
		5722.4	53.33	-62.94	116.27	37.24	33.53	11.95	29.39	340	4	P	H
	*	5785	100.9	-	-	84.47	33.84	12	29.41	340	4	P	H
	*	5785	93.63	-	-	77.2	33.84	12	29.41	340	4	A	H
		5851.4	55.32	-63.69	119.01	38.59	34.01	12.14	29.42	340	4	P	H
		5863.4	56.56	-51.89	108.45	39.76	34.05	12.17	29.42	340	4	P	H
		5914.2	57.31	-18.86	76.17	40.25	34.2	12.29	29.43	340	4	P	H
		5942.6	56.92	-11.28	68.2	39.8	34.2	12.36	29.44	340	4	P	H
													H
802.11a CH 157 5785MHz													H
		5616.6	54.16	-14.04	68.2	38.7	32.97	11.86	29.37	396	38	P	V
		5658	55.89	-18.25	74.14	40.22	33.15	11.9	29.38	396	38	P	V
		5703.6	56.3	-49.91	106.21	40.34	33.42	11.93	29.39	396	38	P	V
		5723.6	56.27	-62.74	119.01	40.17	33.54	11.95	29.39	396	38	P	V
	*	5785	101.84	-	-	85.41	33.84	12	29.41	396	38	P	V
	*	5785	94.89	-	-	78.46	33.84	12	29.41	396	38	A	V
		5850.6	53.54	-67.29	120.83	36.83	34	12.13	29.42	396	38	P	V
		5856.2	56.04	-54.42	110.46	39.29	34.02	12.15	29.42	396	38	P	V
		5883.4	56.74	-42.22	98.96	39.83	34.13	12.21	29.43	396	38	P	V
		5941.2	56.2	-12	68.2	39.08	34.2	12.36	29.44	396	38	P	V
													V
													V

WIFI	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)
	*	5825	100.32	-	-	83.72	33.95	12.07	29.42	349	3	P	H
	*	5825	92.82	-	-	76.22	33.95	12.07	29.42	349	3	A	H
		5852	60.31	-57.33	117.64	43.58	34.01	12.14	29.42	349	3	P	H
		5857	60.16	-50.08	110.24	43.4	34.03	12.15	29.42	349	3	P	H
		5878	56.92	-46.05	102.97	40.04	34.11	12.2	29.43	349	3	P	H
		5938.4	57.47	-10.73	68.2	40.36	34.2	12.35	29.44	349	3	P	H
													H
802.11a													H
CH 165	*	5825	101.57	-	-	84.97	33.95	12.07	29.42	370	51	P	V
5825MHz	*	5825	94.03	-	-	77.43	33.95	12.07	29.42	370	51	A	V
		5851.6	58.37	-60.18	118.55	41.64	34.01	12.14	29.42	370	51	P	V
		5855.4	59.21	-51.48	110.69	42.46	34.02	12.15	29.42	370	51	P	V
		5875.2	56.58	-48.47	105.05	39.72	34.1	12.19	29.43	370	51	P	V
		5934.8	56.84	-11.36	68.2	39.74	34.2	12.34	29.44	370	51	P	V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	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 149 5745MHz		11490	48.63	-25.37	74	57.74	39.18	17.48	65.77	303	166	P	H
		11490	39.31	-14.69	54	48.42	39.18	17.48	65.77	303	166	A	H
		17235	49.85	-18.35	68.2	55.28	38.23	21.95	65.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	47.66	-26.34	74	56.77	39.18	17.48	65.77	-	-	P	V
		17235	49.21	-18.99	68.2	54.64	38.23	21.95	65.61	-	-	P	V
													V
													V
													V
													V
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													V
													V
													V
													V

WIFI	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)
		11570	48.84	-25.16	74	58.09	39.02	17.54	65.81	100	353	P	H
		11570	39.28	-14.72	54	48.53	39.02	17.54	65.81	100	353	A	H
		17355	48.3	-19.9	68.2	53.36	38.42	22	65.48	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 157 5785MHz													H
		11570	48.58	-25.42	74	57.83	39.02	17.54	65.81	100	262	P	V
		11570	39.16	-14.84	54	48.41	39.02	17.54	65.81	100	262	A	V
		17355	47.72	-20.48	68.2	52.78	38.42	22	65.48	-	-	P	V
													V
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													V
													V

WIFI	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)
		11650	47.44	-26.56	74	57.08	38.6	17.61	65.85	-	-	P	H
		17475	49.7	-18.5	68.2	54.29	38.7	22.06	65.35	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 165 5825MHz													H
		11650	47.09	-26.91	74	56.73	38.6	17.61	65.85	-	-	P	V
		17475	49.02	-19.18	68.2	53.61	38.7	22.06	65.35	-	-	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 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	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)
		5632.8	54.62	-13.58	68.2	39.09	33.03	11.88	29.38	400	9	P	H
		5677.8	54.24	-34.57	88.81	38.45	33.27	11.91	29.39	400	9	P	H
		5719.8	57.29	-53.45	110.74	41.21	33.52	11.95	29.39	400	9	P	H
		5724	63.14	-56.78	119.92	47.04	33.54	11.95	29.39	400	9	P	H
	*	5745	100.36	-	-	84.12	33.67	11.97	29.4	400	9	P	H
	*	5745	93.02	-	-	76.78	33.67	11.97	29.4	400	9	A	H
802.11n													H
HT20													H
CH 149		5609.6	54.79	-13.41	68.2	39.36	32.94	11.86	29.37	400	53	P	V
5745MHz		5675.8	55.55	-31.78	87.33	39.78	33.25	11.91	29.39	400	53	P	V
		5718.8	61.89	-48.57	110.46	45.82	33.51	11.95	29.39	400	53	P	V
		5725	61.89	-60.31	122.2	45.79	33.55	11.95	29.4	400	53	P	V
	*	5745	101.9	-	-	85.66	33.67	11.97	29.4	400	53	P	V
	*	5745	94.67	-	-	78.43	33.67	11.97	29.4	400	53	A	V
													V
													V

WIFI	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)
	*	5825	100.45	-	-	83.85	33.95	12.07	29.42	400	272	P	H
	*	5825	92.8	-	-	76.2	33.95	12.07	29.42	400	272	A	H
		5851.4	55.92	-63.09	119.01	39.19	34.01	12.14	29.42	400	272	P	H
		5863.4	57.08	-51.37	108.45	40.28	34.05	12.17	29.42	400	272	P	H
		5917.2	56.57	-17.38	73.95	39.5	34.2	12.3	29.43	400	272	P	H
		5947.8	56.63	-11.57	68.2	39.5	34.2	12.37	29.44	400	272	P	H
802.11n													H
HT20													H
CH 165	*	5825	101.73	-	-	85.13	33.95	12.07	29.42	400	238	P	V
5825MHz	*	5825	94.74	-	-	78.14	33.95	12.07	29.42	400	238	A	V
		5850	62.05	-60.15	122.2	45.34	34	12.13	29.42	400	238	P	V
		5859.4	57.66	-51.91	109.57	40.88	34.04	12.16	29.42	400	238	P	V
		5883.8	56.33	-42.34	98.67	39.4	34.14	12.22	29.43	400	238	P	V
		5948.8	55.66	-12.54	68.2	38.53	34.2	12.37	29.44	400	238	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	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)
		11570	47.6	-26.4	74	56.85	39.02	17.54	65.81	-	-	P	H
		17355	47.79	-20.41	68.2	52.85	38.42	22	65.48	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 157		11570	47.77	-26.23	74	57.02	39.02	17.54	65.81	-	-	P	V
5785MHz		17355	48.01	-20.19	68.2	53.07	38.42	22	65.48	-	-	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 5725~5850MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	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	54.4	-13.8	68.2	38.8	33.09	11.89	29.38	381	269	P	H
		5674.6	55.38	-31.06	86.44	39.6	33.25	11.91	29.38	381	269	P	H
		5717.4	57.59	-52.48	110.07	41.54	33.5	11.94	29.39	381	269	P	H
		5723.6	62.07	-56.94	119.01	45.97	33.54	11.95	29.39	381	269	P	H
	*	5745	99.39	-	-	83.15	33.67	11.97	29.4	381	269	P	H
	*	5745	92.43	-	-	76.19	33.67	11.97	29.4	381	269	A	H
802.11ac													H
VHT20													H
CH 149		5626.6	55.23	-12.97	68.2	39.73	33.01	11.87	29.38	389	232	P	V
5745MHz		5664.6	54.68	-24.36	79.04	38.97	33.19	11.9	29.38	389	232	P	V
		5719.8	58.74	-52	110.74	42.66	33.52	11.95	29.39	389	232	P	V
		5723	60.51	-57.13	117.64	44.41	33.54	11.95	29.39	389	232	P	V
	*	5745	102.59	-	-	86.35	33.67	11.97	29.4	389	232	P	V
	*	5745	95.26	-	-	79.02	33.67	11.97	29.4	389	232	A	V
													V
													V

WIFI	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)
	*	5825	100.31	-	-	83.71	33.95	12.07	29.42	397	269	P	H
	*	5825	92.81	-	-	76.21	33.95	12.07	29.42	397	269	A	H
		5851.4	59.7	-59.31	119.01	42.97	34.01	12.14	29.42	397	269	P	H
		5860.2	57.01	-52.33	109.34	40.23	34.04	12.16	29.42	397	269	P	H
		5924.8	55.52	-12.83	68.35	38.43	34.2	12.32	29.43	397	269	P	H
		5945.2	55.43	-12.77	68.2	38.3	34.2	12.37	29.44	397	269	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	102.14	-	-	85.54	33.95	12.07	29.42	400	235	P	V
5825MHz	*	5825	95.42	-	-	78.82	33.95	12.07	29.42	400	235	A	V
		5852.4	62.39	-54.34	116.73	45.66	34.01	12.14	29.42	400	235	P	V
		5859.6	56.34	-53.17	109.51	39.56	34.04	12.16	29.42	400	235	P	V
		5892.2	55.54	-36.9	92.44	38.56	34.17	12.24	29.43	400	235	P	V
		5934.6	56.1	-12.1	68.2	39	34.2	12.34	29.44	400	235	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	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)
		11570	47.86	-26.14	74	57.11	39.02	17.54	65.81	-	-	P	H
		17355	48.07	-20.13	68.2	53.13	38.42	22	65.48	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT20													H
CH 157		11570	47.87	-26.13	74	57.12	39.02	17.54	65.81	-	-	P	V
5785MHz		17355	47.74	-20.46	68.2	52.8	38.42	22	65.48	-	-	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 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	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)
		5633.6	54.95	-13.25	68.2	39.42	33.03	11.88	29.38	367	192	P	H
		5699	56.31	-48.15	104.46	40.38	33.39	11.93	29.39	367	192	P	H
		5702.8	59.6	-46.39	105.99	43.64	33.42	11.93	29.39	367	192	P	H
		5723.2	64.87	-53.23	118.1	48.77	33.54	11.95	29.39	367	192	P	H
	*	5755	98.01	-	-	81.72	33.72	11.97	29.4	367	192	P	H
	*	5755	89.62	-	-	73.33	33.72	11.97	29.4	367	192	A	H
		5851.2	56.52	-62.94	119.46	39.8	34	12.14	29.42	367	192	P	H
		5855.2	56.65	-54.09	110.74	39.9	34.02	12.15	29.42	367	192	P	H
		5924	57.28	-11.66	68.94	40.2	34.2	12.31	29.43	367	192	P	H
		5933.6	57.12	-11.08	68.2	40.02	34.2	12.34	29.44	367	192	P	H
802.11ac													H
VHT40													H
CH 151		5610.2	55.47	-12.73	68.2	40.04	32.94	11.86	29.37	392	221	P	V
5755MHz		5699	58.5	-45.96	104.46	42.57	33.39	11.93	29.39	392	221	P	V
		5720	66.42	-44.38	110.8	50.34	33.52	11.95	29.39	392	221	P	V
		5722.6	65.07	-51.66	116.73	48.97	33.54	11.95	29.39	392	221	P	V
	*	5755	99.7	-	-	83.41	33.72	11.97	29.4	392	221	P	V
	*	5755	92.36	-	-	76.07	33.72	11.97	29.4	392	221	A	V
		5852.8	55.79	-60.03	115.82	39.06	34.01	12.14	29.42	392	221	P	V
		5871.4	56.27	-49.94	106.21	39.42	34.09	12.18	29.42	392	221	P	V
		5879.2	57.8	-44.28	102.08	40.91	34.12	12.2	29.43	392	221	P	V
		5927.8	56.73	-11.47	68.2	39.65	34.2	12.32	29.44	392	221	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5636.2	55.97	-12.23	68.2	40.43	33.04	11.88	29.38	363	197	P	H
		5689.2	55.82	-41.42	97.24	39.95	33.34	11.92	29.39	363	197	P	H
		5716	56.26	-53.42	109.68	40.21	33.5	11.94	29.39	363	197	P	H
		5723.6	55.58	-63.43	119.01	39.48	33.54	11.95	29.39	363	197	P	H
	*	5795	96.83	-	-	80.35	33.88	12.01	29.41	363	197	P	H
	*	5795	89.32	-	-	72.84	33.88	12.01	29.41	363	197	A	H
		5850.6	58.01	-62.82	120.83	41.3	34	12.13	29.42	363	197	P	H
		5873.6	57.08	-48.51	105.59	40.22	34.09	12.19	29.42	363	197	P	H
		5900.8	58.1	-27.97	86.07	41.07	34.2	12.26	29.43	363	197	P	H
		5935.6	57.63	-10.57	68.2	40.53	34.2	12.34	29.44	363	197	P	H
802.11ac													H
VHT40													H
CH 159		5644.8	55.84	-12.36	68.2	40.25	33.08	11.89	29.38	388	224	P	V
5795MHz		5693.2	56.15	-44.04	100.19	40.26	33.36	11.92	29.39	388	224	P	V
		5716	56.75	-52.93	109.68	40.7	33.5	11.94	29.39	388	224	P	V
		5721	55.77	-57.31	113.08	39.68	33.53	11.95	29.39	388	224	P	V
	*	5795	99.68	-	-	83.2	33.88	12.01	29.41	388	224	P	V
	*	5795	92.08	-	-	75.6	33.88	12.01	29.41	388	224	A	V
		5850.4	58.36	-62.93	121.29	41.65	34	12.13	29.42	388	224	P	V
		5855.2	58.76	-51.98	110.74	42.01	34.02	12.15	29.42	388	224	P	V
		5896.6	57.79	-31.39	89.18	40.78	34.19	12.25	29.43	388	224	P	V
		5942.8	57.62	-10.58	68.2	40.5	34.2	12.36	29.44	388	224	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	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)
		11510	49.8	-24.2	74	58.9	39.18	17.5	65.78	394	58	P	H
		11510	39.22	-14.78	54	48.32	39.18	17.5	65.78	394	58	A	H
		17265	48.56	-19.64	68.2	53.94	38.23	21.96	65.57	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 151		11510	47.84	-26.16	74	56.94	39.18	17.5	65.78	-	-	P	V
5755MHz		17265	49.45	-18.75	68.2	54.83	38.23	21.96	65.57	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	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)
		11590	47.88	-26.12	74	57.2	38.94	17.56	65.82	-	-	P	H
		17385	48.19	-20.01	68.2	53.07	38.54	22.02	65.44	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 159		11590	47.39	-26.61	74	56.71	38.94	17.56	65.82	-	-	P	V
5795MHz		17385	49.02	-19.18	68.2	53.9	38.54	22.02	65.44	-	-	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 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	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)
		5622.6	54.41	-13.79	68.2	38.92	32.99	11.87	29.37	363	194	P	H
		5698.6	55.93	-48.24	104.17	40	33.39	11.93	29.39	363	194	P	H
		5716.2	57.27	-52.47	109.74	41.22	33.5	11.94	29.39	363	194	P	H
		5720.2	55.79	-55.47	111.26	39.71	33.52	11.95	29.39	363	194	P	H
	*	5775	93.47	-	-	77.09	33.8	11.99	29.41	363	194	P	H
	*	5775	85.88	-	-	69.5	33.8	11.99	29.41	363	194	A	H
		5850.4	55.44	-65.85	121.29	38.73	34	12.13	29.42	363	194	P	H
		5866.6	55.76	-51.79	107.55	38.94	34.07	12.17	29.42	363	194	P	H
		5877.4	55.97	-47.45	103.42	39.09	34.11	12.2	29.43	363	194	P	H
		5941	56.95	-11.25	68.2	39.83	34.2	12.36	29.44	363	194	P	H
802.11ac													H
VHT80													H
CH 155		5605	55.93	-12.27	68.2	40.53	32.92	11.85	29.37	386	231	P	V
5775MHz		5698.4	60.78	-43.24	104.02	44.85	33.39	11.93	29.39	386	231	P	V
		5719	61.55	-48.97	110.52	45.48	33.51	11.95	29.39	386	231	P	V
		5722.8	61.03	-56.15	117.18	44.93	33.54	11.95	29.39	386	231	P	V
	*	5775	95.25	-	-	78.87	33.8	11.99	29.41	386	231	P	V
	*	5775	88.09	-	-	71.71	33.8	11.99	29.41	386	231	A	V
		5850.2	58.8	-62.94	121.74	42.09	34	12.13	29.42	386	231	P	V
		5856.4	57.03	-53.38	110.41	40.27	34.03	12.15	29.42	386	231	P	V
		5902.4	57.52	-27.37	84.89	40.49	34.2	12.26	29.43	386	231	P	V
		5928.4	56.54	-11.66	68.2	39.46	34.2	12.32	29.44	386	231	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	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)
		11550	48.89	-25.11	74	58.06	39.1	17.53	65.8	100	281	P	H
		11550	39.39	-14.61	54	48.56	39.1	17.53	65.8	100	281	A	H
		17325	48.27	-19.93	68.2	53.44	38.35	21.99	65.51	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
i802.11ac													H
VHT80													H
CH 155		11550	48.93	-25.07	74	58.1	39.1	17.53	65.8	374	48	P	V
5775MHz		11550	40.91	-13.09	54	50.08	39.1	17.53	65.8	374	48	A	V
		17325	48.22	-19.98	68.2	53.39	38.35	21.99	65.51	-	-	P	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 - 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI	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	55.14	-13.06	68.2	39.64	33.01	11.87	29.38	356	192	P	H
		5666.6	55.91	-24.61	80.52	40.19	33.2	11.9	29.38	356	192	P	H
		5719.8	62.56	-48.18	110.74	46.48	33.52	11.95	29.39	356	192	P	H
		5725	66.99	-55.21	122.2	50.89	33.55	11.95	29.4	356	192	P	H
	*	5745	101.57	-	-	85.33	33.67	11.97	29.4	356	192	P	H
	*	5745	93.11	-	-	76.87	33.67	11.97	29.4	356	192	A	H
802.11ax													H
HE20 Full													H
CH 149		5640.4	54.87	-13.33	68.2	39.31	33.06	11.88	29.38	339	226	P	V
5745MHz		5670.4	55.68	-27.66	83.34	39.93	33.22	11.91	29.38	339	226	P	V
		5719.6	65.18	-45.51	110.69	49.1	33.52	11.95	29.39	339	226	P	V
		5722.8	68.77	-48.41	117.18	52.67	33.54	11.95	29.39	339	226	P	V
	*	5745	104.72	-	-	88.48	33.67	11.97	29.4	339	226	P	V
	*	5745	95.72	-	-	79.48	33.67	11.97	29.4	339	226	A	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5629.2	54.67	-13.53	68.2	39.16	33.02	11.87	29.38	400	187	P	H
		5664.8	55.66	-23.53	79.19	39.95	33.19	11.9	29.38	400	187	P	H
		5709	55.05	-52.67	107.72	39.05	33.45	11.94	29.39	400	187	P	H
		5723.8	54.27	-65.19	119.46	38.17	33.54	11.95	29.39	400	187	P	H
	*	5785	100.16	-	-	83.73	33.84	12	29.41	400	187	P	H
	*	5785	92.64	-	-	76.21	33.84	12	29.41	400	187	A	H
		5851	56.23	-63.69	119.92	39.52	34	12.13	29.42	400	187	P	H
		5856	56.4	-54.12	110.52	39.65	34.02	12.15	29.42	400	187	P	H
		5918.8	56.69	-16.08	72.77	39.62	34.2	12.3	29.43	400	187	P	H
		5937	56.3	-11.9	68.2	39.19	34.2	12.35	29.44	400	187	P	H
802.11ax													H
HE20 Full													H
CH 157		5622	56.49	-11.71	68.2	41	32.99	11.87	29.37	386	229	P	V
5785MHz		5699.4	55.13	-49.63	104.76	39.19	33.4	11.93	29.39	386	229	P	V
		5713.8	54.83	-54.24	109.07	38.8	33.48	11.94	29.39	386	229	P	V
		5722	54.73	-60.63	115.36	38.64	33.53	11.95	29.39	386	229	P	V
	*	5785	102.83	-	-	86.4	33.84	12	29.41	386	229	P	V
	*	5785	93.95	-	-	77.52	33.84	12	29.41	386	229	A	V
		5851.4	54.78	-64.23	119.01	38.05	34.01	12.14	29.42	386	229	P	V
		5867.4	55.93	-51.4	107.33	39.1	34.07	12.18	29.42	386	229	P	V
		5885	56.55	-41.22	97.77	39.62	34.14	12.22	29.43	386	229	P	V
		5927.6	55.69	-12.51	68.2	38.61	34.2	12.32	29.44	386	229	P	V
													V
													V

WIFI	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)
	*	5825	101.32	-	-	84.72	33.95	12.07	29.42	397	187	P	H
	*	5825	92.99	-	-	76.39	33.95	12.07	29.42	397	187	A	H
		5851.8	60.39	-57.71	118.1	43.66	34.01	12.14	29.42	397	187	P	H
		5855.8	56.38	-54.2	110.58	39.63	34.02	12.15	29.42	397	187	P	H
		5923	55.97	-13.7	69.67	38.89	34.2	12.31	29.43	397	187	P	H
		5943.4	55.5	-12.7	68.2	38.38	34.2	12.36	29.44	397	187	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	102.39	-	-	85.79	33.95	12.07	29.42	399	222	P	V
5825MHz	*	5825	94.06	-	-	77.46	33.95	12.07	29.42	399	222	A	V
		5850.6	61.38	-59.45	120.83	44.67	34	12.13	29.42	399	222	P	V
		5857	58.39	-51.85	110.24	41.63	34.03	12.15	29.42	399	222	P	V
		5917.8	55.8	-17.71	73.51	38.73	34.2	12.3	29.43	399	222	P	V
		5927.6	57.91	-10.29	68.2	40.83	34.2	12.32	29.44	399	222	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	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)
		11490	47.91	-26.09	74	57.02	39.18	17.48	65.77	-	-	P	H
		17235	49.22	-18.98	68.2	54.65	38.23	21.95	65.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		11490	47.82	-26.18	74	56.93	39.18	17.48	65.77	-	-	P	V
5745MHz		17235	49.81	-18.39	68.2	55.24	38.23	21.95	65.61	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	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)
		11570	47.88	-26.12	74	57.13	39.02	17.54	65.81	-	-	P	H
		17355	48.42	-19.78	68.2	53.48	38.42	22	65.48	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	47.72	-26.28	74	56.97	39.02	17.54	65.81	-	-	P	V
5785MHz		17355	48.21	-19.99	68.2	53.27	38.42	22	65.48	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	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)
		11650	47.56	-26.44	74	57.2	38.6	17.61	65.85	-	-	P	H
		17475	49.66	-18.54	68.2	54.25	38.7	22.06	65.35	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 165		11650	47.76	-26.24	74	57.4	38.6	17.61	65.85	-	-	P	V
5825MHz		17475	49.55	-18.65	68.2	54.14	38.7	22.06	65.35	-	-	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 5725~5850MHz

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

WIFI	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 149 5745MHz		5647.2	55.81	-12.39	68.2	40.21	33.09	11.89	29.38	388	267	P	H
		5652.4	55.79	-14.19	69.98	40.17	33.11	11.89	29.38	388	267	P	H
		5716	56.32	-53.36	109.68	40.27	33.5	11.94	29.39	388	267	P	H
		5720.6	55.12	-57.05	112.17	39.04	33.52	11.95	29.39	388	267	P	H
	*	5745	101.06	-	-	84.82	33.67	11.97	29.4	388	267	P	H
	*	5745	93.48	-	-	77.24	33.67	11.97	29.4	388	267	A	H
													H
													H
		5638	55.69	-12.51	68.2	40.14	33.05	11.88	29.38	390	219	P	V
		5692.4	56.36	-43.24	99.6	40.48	33.35	11.92	29.39	390	219	P	V
		5714.6	56.04	-53.25	109.29	40	33.49	11.94	29.39	390	219	P	V
		5723.8	55.28	-64.18	119.46	39.18	33.54	11.95	29.39	390	219	P	V
	*	5745	101.28	-	-	85.04	33.67	11.97	29.4	390	219	P	V
	*	5745	94.03	-	-	77.79	33.67	11.97	29.4	390	219	A	V
													V
													V

WIFI	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 165 5825MHz	*	5825	100.23	-	-	83.63	33.95	12.07	29.42	378	265	P	H
	*	5825	92.71	-	-	76.11	33.95	12.07	29.42	378	265	A	H
		5850	56.18	-66.02	122.2	39.47	34	12.13	29.42	378	265	P	H
		5859.4	57.49	-52.08	109.57	40.71	34.04	12.16	29.42	378	265	P	H
		5891.4	57.75	-35.28	93.03	40.78	34.17	12.23	29.43	378	265	P	H
		5939	57.51	-10.69	68.2	40.4	34.2	12.35	29.44	378	265	P	H
													H
													H
	*	5825	100.49	-	-	83.89	33.95	12.07	29.42	397	232	P	V
	*	5825	93.07	-	-	76.47	33.95	12.07	29.42	397	232	A	V
		5850.4	57.41	-63.88	121.29	40.7	34	12.13	29.42	397	232	P	V
		5856.6	56.95	-53.4	110.35	40.19	34.03	12.15	29.42	397	232	P	V
		5914	58.49	-17.82	76.31	41.43	34.2	12.29	29.43	397	232	P	V
		5926	57.78	-10.42	68.2	40.7	34.2	12.32	29.44	397	232	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Harmonic @ 3m)

WIFI	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 149 5745MHz		11490	47.92	-26.08	74	57.03	39.18	17.48	65.77	-	-	P	H
		17235	48.68	-19.52	68.2	54.11	38.23	21.95	65.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	47.8	-26.2	74	56.91	39.18	17.48	65.77	-	-	P	V
		17235	49.21	-18.99	68.2	54.64	38.23	21.95	65.61	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	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 26/4 CH 157 5785MHz		11570	47.82	-26.18	74	57.07	39.02	17.54	65.81	-	-	P	H
		17355	47.86	-20.34	68.2	52.92	38.42	22	65.48	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	47.78	-26.22	74	57.03	39.02	17.54	65.81	-	-	P	V
		17355	47.76	-20.44	68.2	52.82	38.42	22	65.48	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	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)
i802.11ax HE20 Partial 26/8 CH 165 5825MHz		11650	47.65	-26.35	74	57.29	38.6	17.61	65.85	-	-	P	H
		17475	49.58	-18.62	68.2	54.17	38.7	22.06	65.35	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11650	47.85	-26.15	74	57.49	38.6	17.61	65.85	-	-	P	V
		17475	48.86	-19.34	68.2	53.45	38.7	22.06	65.35	-	-	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 5725~5850MHz

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

WIFI	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	56.18	-12.02	68.2	40.63	33.05	11.88	29.38	374	263	P	H
		5653.2	55.97	-14.61	70.58	40.34	33.12	11.89	29.38	374	263	P	H
		5715	55.88	-53.52	109.4	39.84	33.49	11.94	29.39	374	263	P	H
		5723	58.17	-59.47	117.64	42.07	33.54	11.95	29.39	374	263	P	H
	*	5745	100.92	-	-	84.68	33.67	11.97	29.4	374	263	P	H
802.11ax	*	5745	93.72	-	-	77.48	33.67	11.97	29.4	374	263	A	H
HE20													H
Partial													H
52/37		5648.4	55.89	-12.31	68.2	40.29	33.09	11.89	29.38	394	222	P	V
CH 149		5661.2	55.86	-20.66	76.52	40.17	33.17	11.9	29.38	394	222	P	V
5745MHz		5710.4	56.59	-51.52	108.11	40.58	33.46	11.94	29.39	394	222	P	V
		5720.4	56.17	-55.54	111.71	40.09	33.52	11.95	29.39	394	222	P	V
	*	5745	100.86	-	-	84.62	33.67	11.97	29.4	394	222	P	V
	*	5745	94.24	-	-	78	33.67	11.97	29.4	394	222	A	V
													V
													V

WIFI	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)
	*	5825	101.08	-	-	84.48	33.95	12.07	29.42	378	264	P	H
	*	5825	92.82	-	-	76.22	33.95	12.07	29.42	378	264	A	H
		5854.6	56.74	-54.97	111.71	40	34.02	12.14	29.42	378	264	P	H
		5874.4	56.72	-48.65	105.37	39.85	34.1	12.19	29.42	378	264	P	H
		5915.4	57.39	-17.89	75.28	40.33	34.2	12.29	29.43	378	264	P	H
802.11ax		5947.8	57.4	-10.8	68.2	40.27	34.2	12.37	29.44	378	264	P	H
HE20													H
Partial													H
52/40	*	5825	99.79	-	-	83.19	33.95	12.07	29.42	396	223	P	V
CH 165	*	5825	93.14	-	-	76.54	33.95	12.07	29.42	396	223	A	V
5825MHz		5852.6	56.87	-59.4	116.27	40.14	34.01	12.14	29.42	396	223	P	V
		5856.2	56.75	-53.71	110.46	40	34.02	12.15	29.42	396	223	P	V
		5920.4	57.1	-14.49	71.59	40.03	34.2	12.3	29.43	396	223	P	V
		5927.6	57.81	-10.39	68.2	40.73	34.2	12.32	29.44	396	223	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

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

WIFI	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)
		5643	56.04	-12.16	68.2	40.47	33.07	11.88	29.38	355	194	P	H
		5676.8	55.89	-32.18	88.07	40.11	33.26	11.91	29.39	355	194	P	H
		5703.8	55.51	-50.76	106.27	39.55	33.42	11.93	29.39	355	194	P	H
		5725	57.42	-64.78	122.2	41.32	33.55	11.95	29.4	355	194	P	H
	*	5745	99.02	-	-	82.78	33.67	11.97	29.4	355	194	P	H
802.11ax	*	5745	91.83	-	-	75.59	33.67	11.97	29.4	355	194	A	H
HE20													H
Partial													H
106/53		5610.6	56.32	-11.88	68.2	40.89	32.94	11.86	29.37	392	222	P	V
CH 149		5694.2	56.2	-44.72	100.92	40.29	33.37	11.93	29.39	392	222	P	V
5745MHz		5719.8	57.16	-53.58	110.74	41.08	33.52	11.95	29.39	392	222	P	V
		5724.6	58.91	-62.38	121.29	42.8	33.55	11.95	29.39	392	222	P	V
	*	5745	100.46	-	-	84.22	33.67	11.97	29.4	392	222	P	V
	*	5745	94.05	-	-	77.81	33.67	11.97	29.4	392	222	A	V
													V
													V

WIFI	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 165 5825MHz	*	5830	101.3	-	-	84.68	33.96	12.08	29.42	397	268	P	H
	*	5825	92.62	-	-	76.02	33.95	12.07	29.42	397	268	A	H
		5850.6	56.65	-64.18	120.83	39.94	34	12.13	29.42	397	268	P	H
		5858.4	57.28	-52.57	109.85	40.52	34.03	12.15	29.42	397	268	P	H
		5905.4	57.5	-25.17	82.67	40.46	34.2	12.27	29.43	397	268	P	H
		5931	57.26	-10.94	68.2	40.17	34.2	12.33	29.44	397	268	P	H
													H
													H
	*	5825	104.13	-	-	87.53	33.95	12.07	29.42	398	221	P	V
	*	5825	93.58	-	-	76.98	33.95	12.07	29.42	398	221	A	V
		5854.2	55.91	-56.71	112.62	39.17	34.02	12.14	29.42	398	221	P	V
		5866.8	57.12	-50.37	107.49	40.3	34.07	12.17	29.42	398	221	P	V
		5914.2	56.75	-19.42	76.17	39.69	34.2	12.29	29.43	398	221	P	V
		5925.8	57.41	-10.79	68.2	40.33	34.2	12.32	29.44	398	221	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI	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)
		5638.2	55.39	-12.81	68.2	39.84	33.05	11.88	29.38	368	262	P	H
		5660.6	56.19	-19.88	76.07	40.51	33.16	11.9	29.38	368	262	P	H
		5719.4	61.94	-48.69	110.63	45.86	33.52	11.95	29.39	368	262	P	H
		5722.6	63.16	-53.57	116.73	47.06	33.54	11.95	29.39	368	262	P	H
	*	5755	99.47	-	-	83.18	33.72	11.97	29.4	368	262	P	H
	*	5755	89.26	-	-	72.97	33.72	11.97	29.4	368	262	A	H
		5851.2	55.32	-64.14	119.46	38.6	34	12.14	29.42	368	262	P	H
		5872.6	56.05	-49.82	105.87	39.19	34.09	12.19	29.42	368	262	P	H
		5890.4	56.39	-37.38	93.77	39.43	34.16	12.23	29.43	368	262	P	H
		5939.2	57.33	-10.87	68.2	40.22	34.2	12.35	29.44	368	262	P	H
802.11ax													H
HE40 Full													H
CH 151		5621.6	55.22	-12.98	68.2	39.73	32.99	11.87	29.37	388	225	P	V
5755MHz		5699	55.99	-48.47	104.46	40.06	33.39	11.93	29.39	388	225	P	V
		5718.8	61.56	-48.9	110.46	45.49	33.51	11.95	29.39	388	225	P	V
		5722.8	66.28	-50.9	117.18	50.18	33.54	11.95	29.39	388	225	P	V
	*	5755	100.23	-	-	83.94	33.72	11.97	29.4	388	225	P	V
	*	5755	89.97	-	-	73.68	33.72	11.97	29.4	388	225	A	V
		5850.6	55.45	-65.38	120.83	38.74	34	12.13	29.42	388	225	P	V
		5874.6	56.18	-49.13	105.31	39.31	34.1	12.19	29.42	388	225	P	V
		5917.6	56.12	-17.54	73.66	39.05	34.2	12.3	29.43	388	225	P	V
		5944.2	57.43	-10.77	68.2	40.31	34.2	12.36	29.44	388	225	P	V
													V
													V

WIFI	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5617.8	55.1	-13.1	68.2	39.64	32.97	11.86	29.37	362	264	P	H
		5671.2	55.11	-28.82	83.93	39.35	33.23	11.91	29.38	362	264	P	H
		5713.4	56.24	-52.71	108.95	40.21	33.48	11.94	29.39	362	264	P	H
		5725	55.33	-66.87	122.2	39.23	33.55	11.95	29.4	362	264	P	H
	*	5795	98.93	-	-	82.45	33.88	12.01	29.41	362	264	P	H
	*	5795	89.52	-	-	73.04	33.88	12.01	29.41	362	264	A	H
		5854	57.52	-55.56	113.08	40.78	34.02	12.14	29.42	362	264	P	H
		5863.8	57.15	-51.18	108.33	40.34	34.06	12.17	29.42	362	264	P	H
		5906.8	57.19	-24.44	81.63	40.15	34.2	12.27	29.43	362	264	P	H
		5929.6	56.88	-11.32	68.2	39.79	34.2	12.33	29.44	362	264	P	H
802.11ax													H
HE40 Full													H
CH 159		5601	56.59	-11.61	68.2	41.21	32.9	11.85	29.37	386	220	P	V
5795MHz		5661	55.7	-20.67	76.37	40.01	33.17	11.9	29.38	386	220	P	V
		5717	56.31	-53.65	109.96	40.26	33.5	11.94	29.39	386	220	P	V
		5724	56.56	-63.36	119.92	40.46	33.54	11.95	29.39	386	220	P	V
	*	5795	98.26	-	-	81.78	33.88	12.01	29.41	386	220	P	V
	*	5795	90.16	-	-	73.68	33.88	12.01	29.41	386	220	A	V
		5850.4	57.05	-64.24	121.29	40.34	34	12.13	29.42	386	220	P	V
		5873.6	56.8	-48.79	105.59	39.94	34.09	12.19	29.42	386	220	P	V
		5888.4	56.79	-38.46	95.25	39.84	34.15	12.23	29.43	386	220	P	V
		5933.8	56.59	-11.61	68.2	39.49	34.2	12.34	29.44	386	220	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI	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)
		11510	48.94	-25.06	74	58.04	39.18	17.5	65.78	183	115	P	H
		11510	39.07	-14.93	54	48.17	39.18	17.5	65.78	183	115	A	H
		17265	49.02	-19.18	68.2	54.4	38.23	21.96	65.57	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	47.84	-26.16	74	56.94	39.18	17.5	65.78	-	-	P	V
5755MHz		17265	48.94	-19.26	68.2	54.32	38.23	21.96	65.57	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	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)
		11590	47.89	-26.11	74	57.21	38.94	17.56	65.82	-	-	P	H
		17385	49.01	-19.19	68.2	53.89	38.54	22.02	65.44	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	47.86	-26.14	74	57.18	38.94	17.56	65.82	-	-	P	V
5795MHz		17385	49.74	-18.46	68.2	54.62	38.54	22.02	65.44	-	-	P	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 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI	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	56.27	-11.93	68.2	40.77	33.01	11.87	29.38	370	264	P	H
		5696	56.35	-45.9	102.25	40.43	33.38	11.93	29.39	370	264	P	H
		5716	56.45	-53.23	109.68	40.4	33.5	11.94	29.39	370	264	P	H
		5720.4	55.81	-55.9	111.71	39.73	33.52	11.95	29.39	370	264	P	H
	*	5775	94.54	-	-	78.16	33.8	11.99	29.41	370	264	P	H
	*	5775	85.07	-	-	68.69	33.8	11.99	29.41	370	264	A	H
		5852.2	56.68	-60.5	117.18	39.95	34.01	12.14	29.42	370	264	P	H
		5872.4	57.45	-48.48	105.93	40.59	34.09	12.19	29.42	370	264	P	H
		5881.4	58.19	-42.26	100.45	41.28	34.13	12.21	29.43	370	264	P	H
		5942.8	56.69	-11.51	68.2	39.57	34.2	12.36	29.44	370	264	P	H
802.11ax													H
HE80 Full													H
CH 155		5603.8	55.11	-13.09	68.2	39.71	32.92	11.85	29.37	387	231	P	V
5775MHz		5695	55.43	-46.08	101.51	39.52	33.37	11.93	29.39	387	231	P	V
		5705.2	58.51	-48.15	106.66	42.54	33.43	11.93	29.39	387	231	P	V
		5722.8	58.12	-59.06	117.18	42.02	33.54	11.95	29.39	387	231	P	V
	*	5775	94.57	-	-	78.19	33.8	11.99	29.41	387	231	P	V
	*	5775	85.62	-	-	69.24	33.8	11.99	29.41	387	231	A	V
		5854.4	56.76	-55.41	112.17	40.02	34.02	12.14	29.42	387	231	P	V
		5864.2	56.74	-51.48	108.22	39.93	34.06	12.17	29.42	387	231	P	V
		5919	56.94	-15.68	72.62	39.87	34.2	12.3	29.43	387	231	P	V
		5936.8	56.47	-11.73	68.2	39.36	34.2	12.35	29.44	387	231	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI	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)
		11550	47.68	-26.32	74	56.85	39.1	17.53	65.8	-	-	P	H
		17325	49.13	-19.07	68.2	54.3	38.35	21.99	65.51	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	47.75	-26.25	74	56.92	39.1	17.53	65.8	-	-	P	V
5775MHz		17325	49.35	-18.85	68.2	54.52	38.35	21.99	65.51	-	-	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.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full SHF		38240	45.97	-22.23	68.2	60.47	43.5	-0.59	57.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		37910	45.6	-22.6	68.2	60.36	43.76	-0.8	57.72	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI	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	1	30.27	22.01	-17.99	40	29.42	24.28	0.75	32.44	-	-	P	H
	2	186.87	22.7	-20.8	43.5	38.17	14.93	1.96	32.36	-	-	P	H
	3	259.23	20.71	-25.29	46	30.9	19.88	2.35	32.42	-	-	P	H
	4	558.3	26.57	-19.43	46	29.64	25.99	3.51	32.57	-	-	P	H
	5	830.6	30.5	-15.5	46	29.9	28.49	4.44	32.33	-	-	P	H
	6	942.6	33.61	-12.39	46	29.89	30.48	4.82	31.58	-	-	P	H
													H
													H
													H
													H
													H
													H
	1	35.13	22.44	-17.56	40	31.98	22.11	0.81	32.46	-	-	P	V
	2	185.52	24.72	-18.78	43.5	40.19	14.93	1.95	32.35	-	-	P	V
	3	262.47	19.36	-26.64	46	29.4	20.01	2.37	32.42	-	-	P	V
	4	437.2	24.66	-21.34	46	31.04	22.95	3.18	32.51	-	-	P	V
	5	643	28.37	-17.63	46	30.73	26.36	3.91	32.63	-	-	P	V
	6	943.3	33.47	-12.53	46	29.71	30.51	4.82	31.57	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

*	**Fundamental Frequency** which can 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.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		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 @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 68.2(dBμV/m)

= -12.75 (dB)

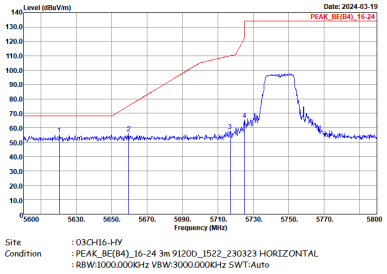
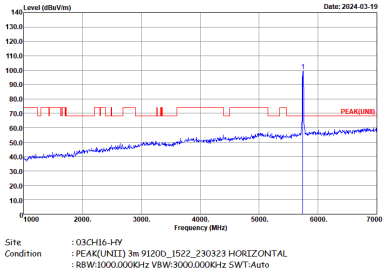
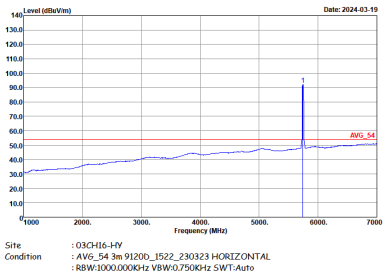
Both peak and average measured complies with the limit line, so test result is “PASS”.

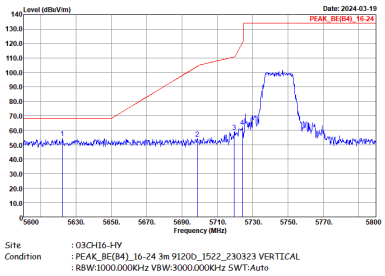
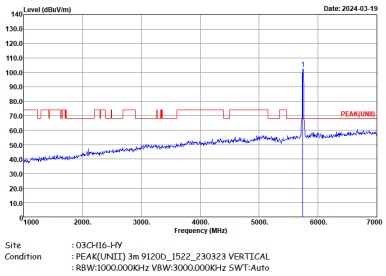
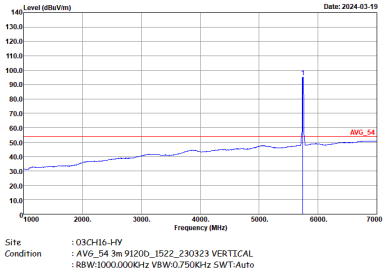
Appendix D. Radiated Spurious Emission Plots

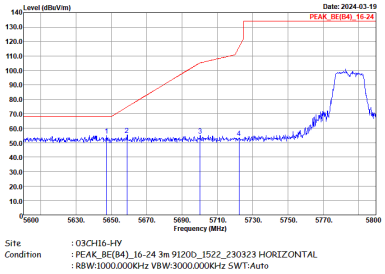
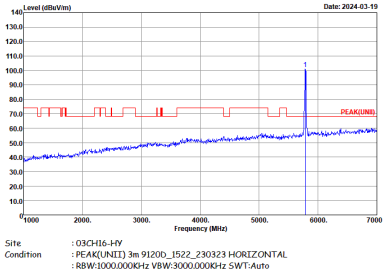
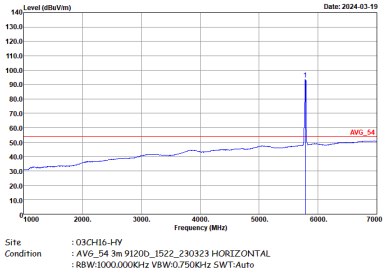
Test Engineer :	Bill Chang, Gary Guo, and Steven Wu	**Temperature :**	18.2~20.2°C
		Relative Humidity :	54.2~56.1%

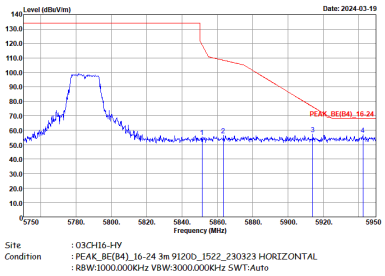
Band 4 - 5725~5850MHz

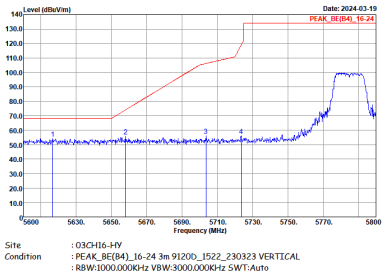
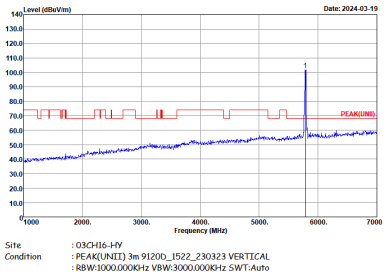
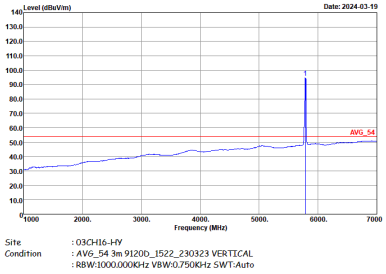
WIFI 802.11a (Band Edge @ 3m)

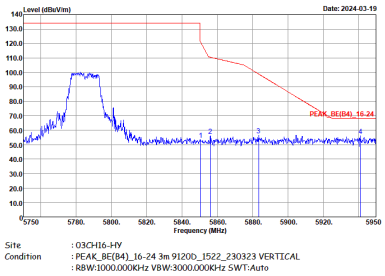
WIFI	**Band 4 5725~5850MHz Band Edge @ 3m**	
ANT	**802.11a CH149 5745MHz**	
1	**Horizontal**	**Fundamental**
Peak		
Avg	Left blank	

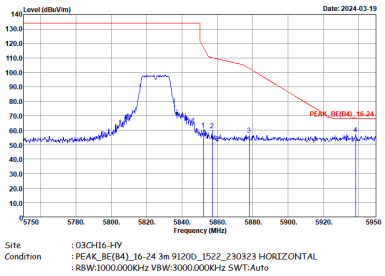
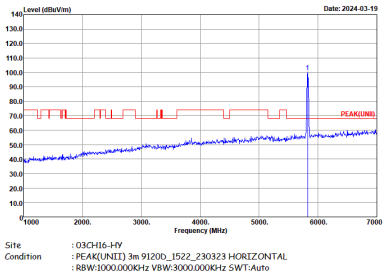
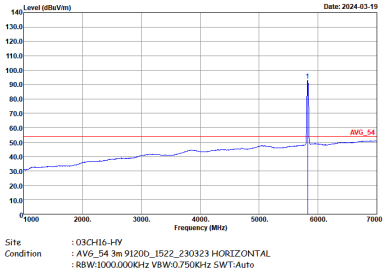
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

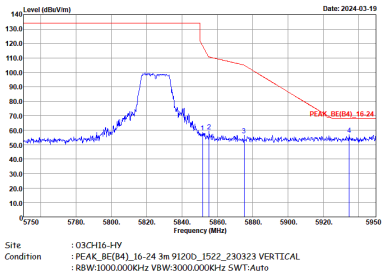
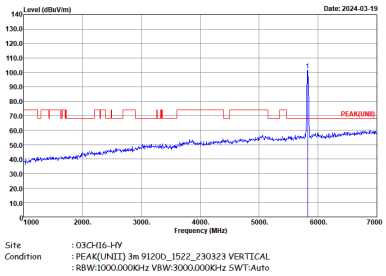
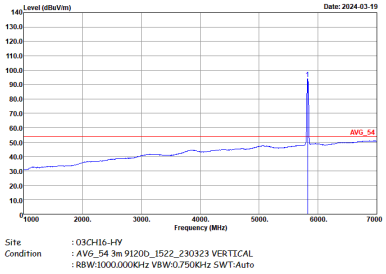
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

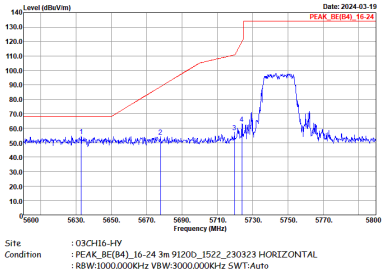
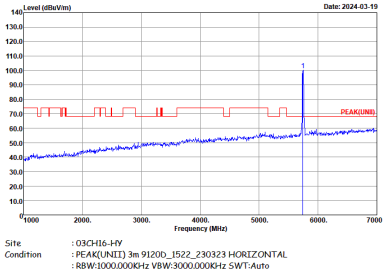
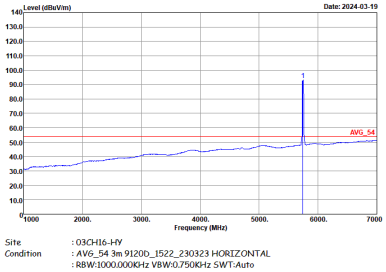
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak		Left blank

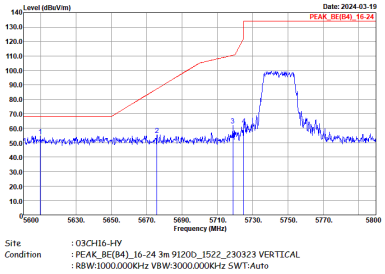
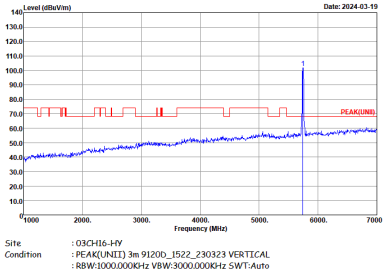
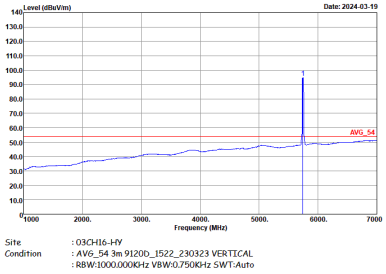
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

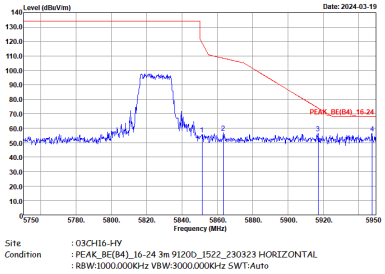
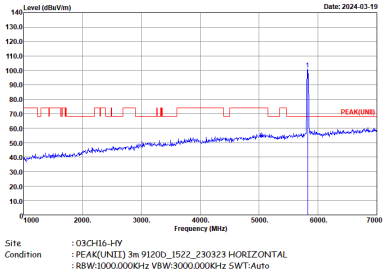
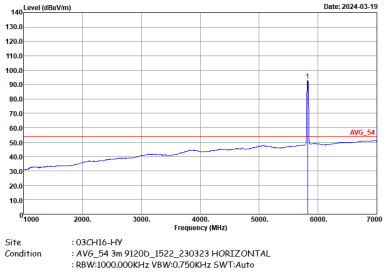
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

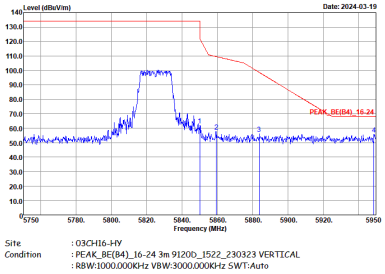
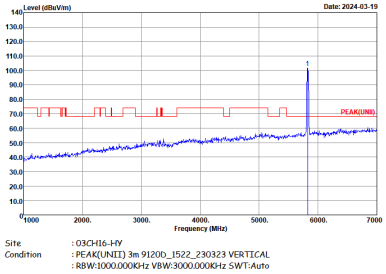
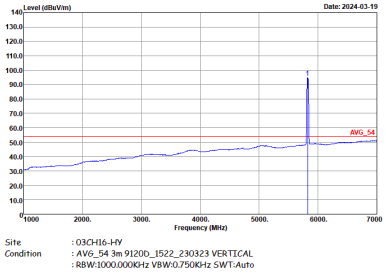
Band 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

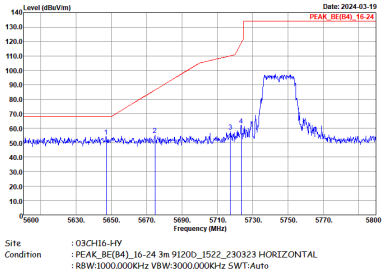
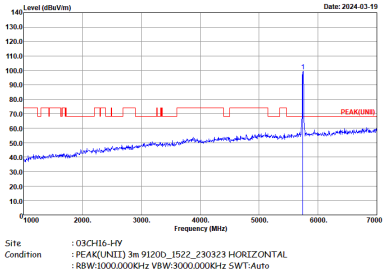
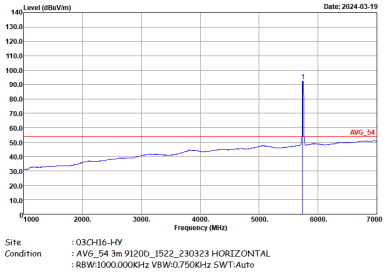
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

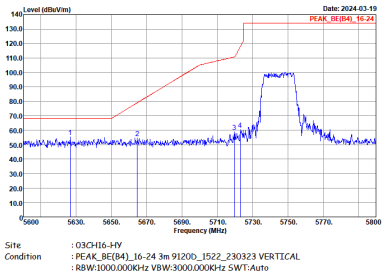
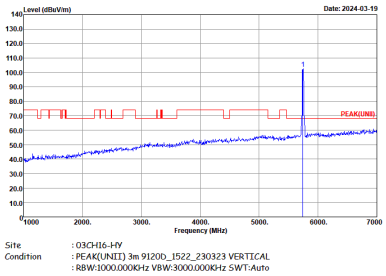
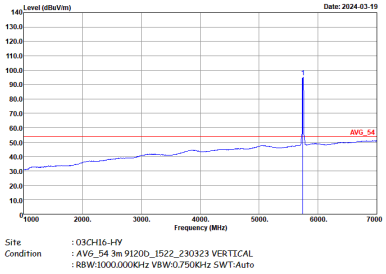
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

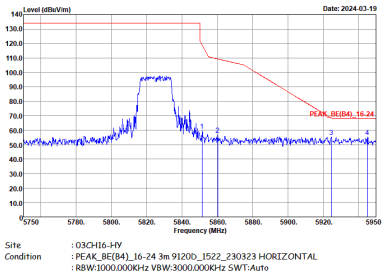
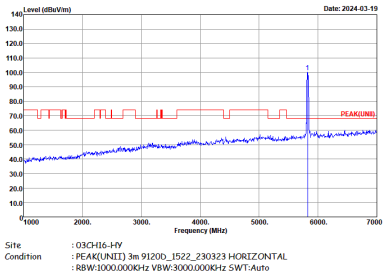
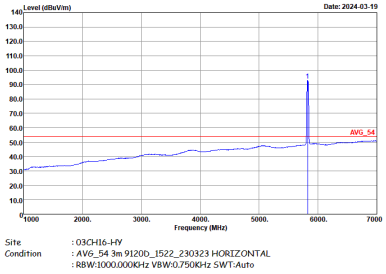
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

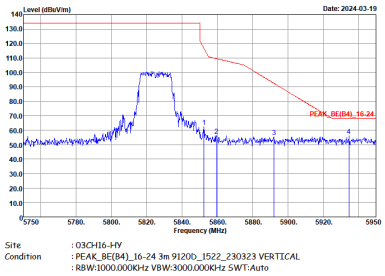
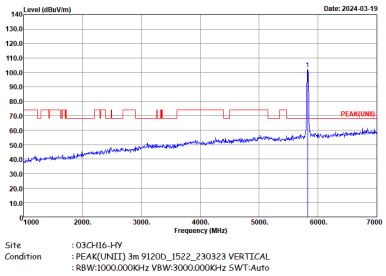
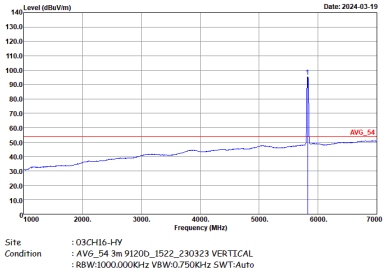
Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

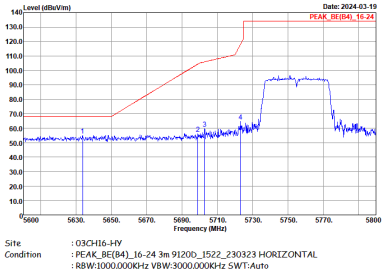
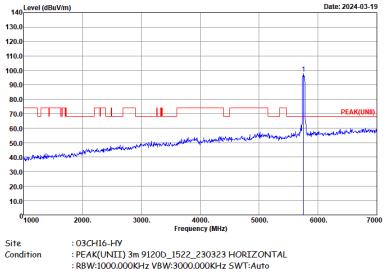
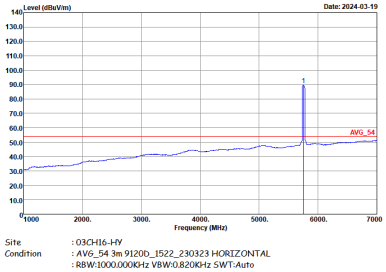
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

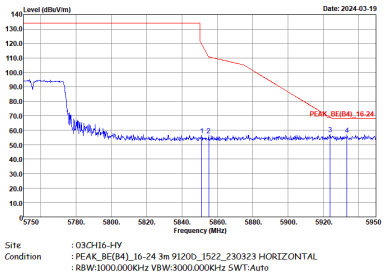
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

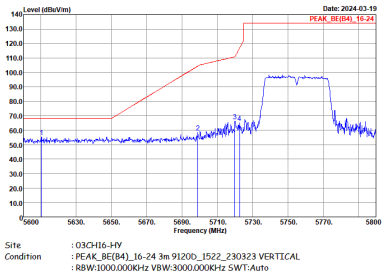
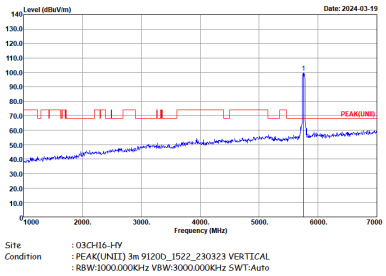
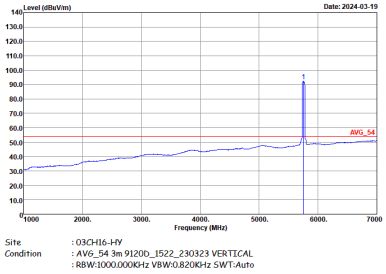
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

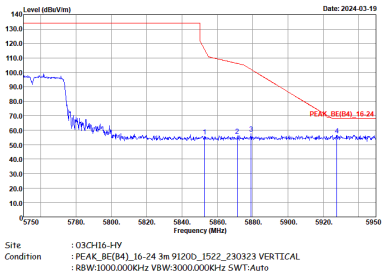
Band 4 5725~5850MHz

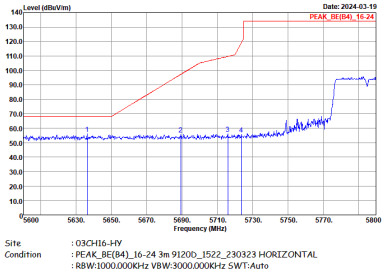
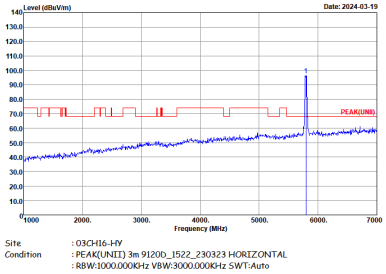
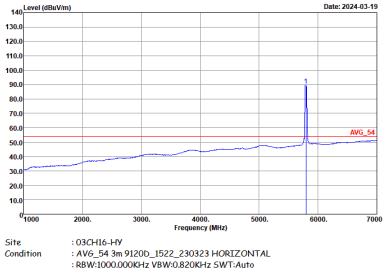
WIFI 802.11ac VHT40 (Band Edge @ 3m)

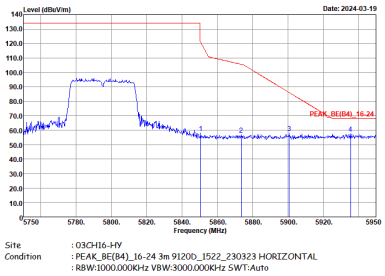
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

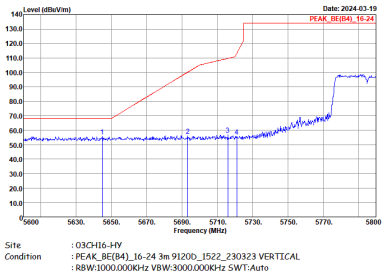
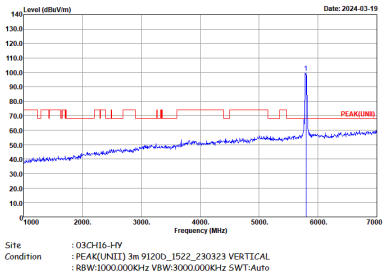
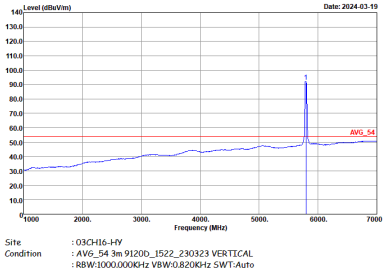
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1	Horizontal	Fundamental
Peak		Left blank

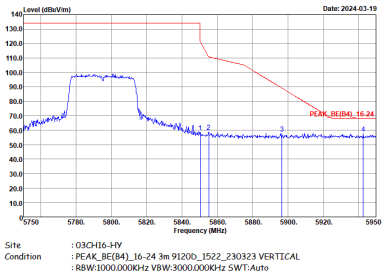
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1	Vertical	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

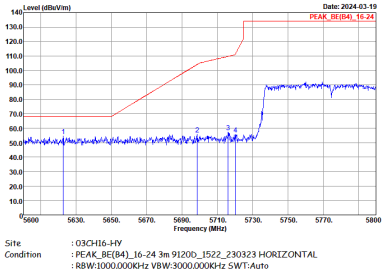
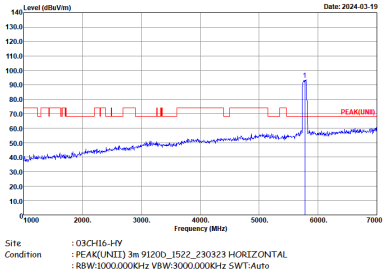
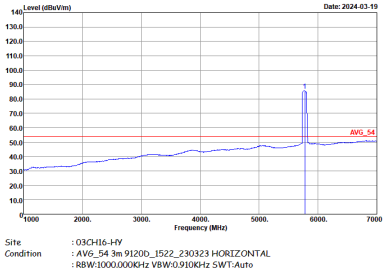
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak		Left blank

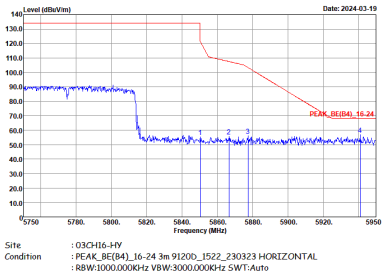
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

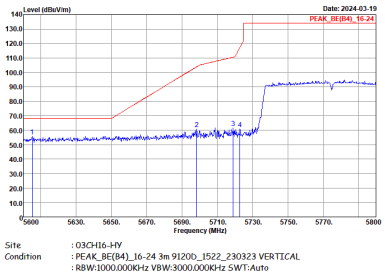
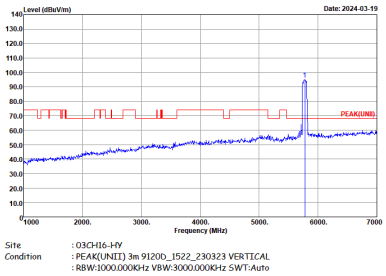
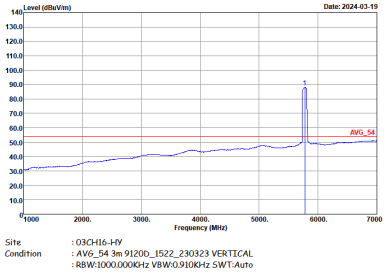
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1	Vertical	Fundamental
Peak		Left blank

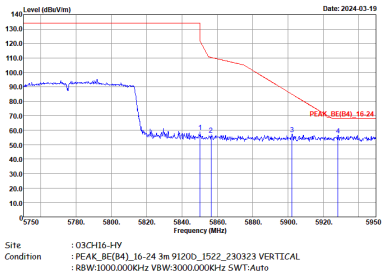
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

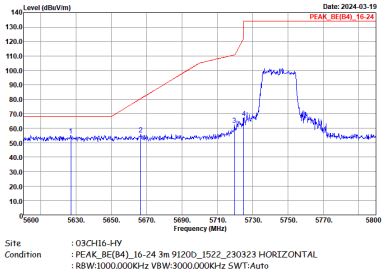
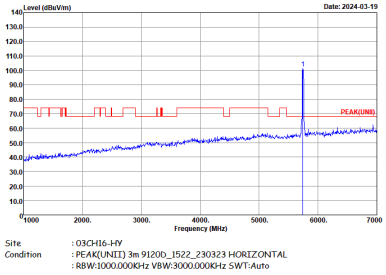
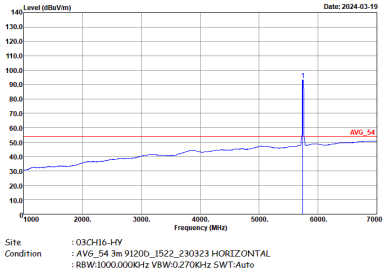
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Fundamental
Peak		Left blank

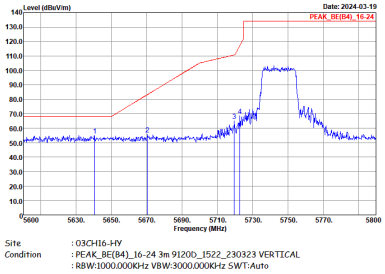
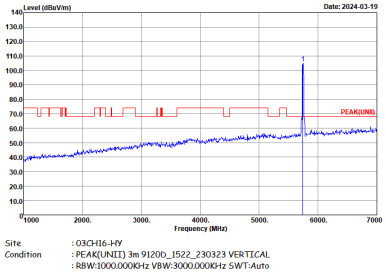
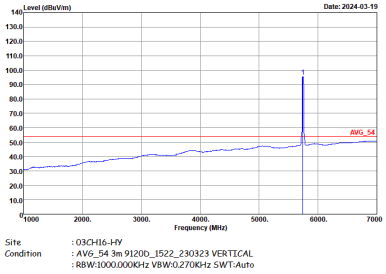
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

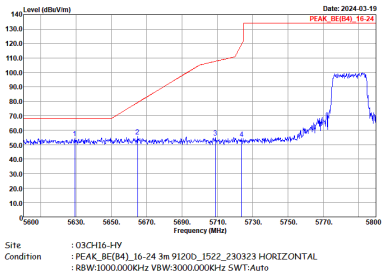
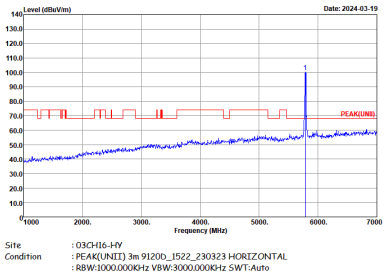
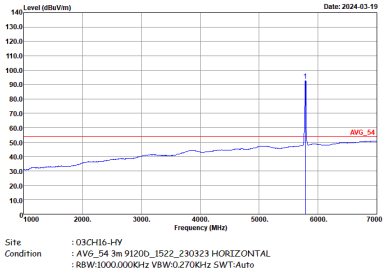
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Vertical	Fundamental
Peak		Left blank

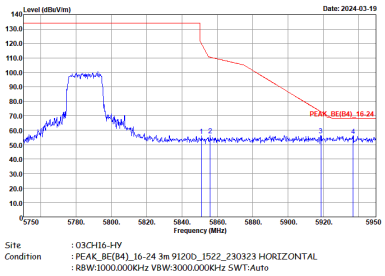
Band 4 - 5725~5850MHz

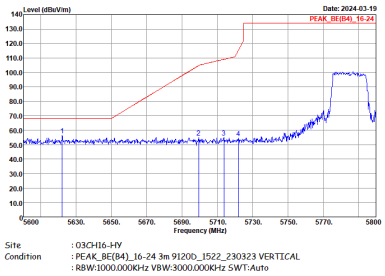
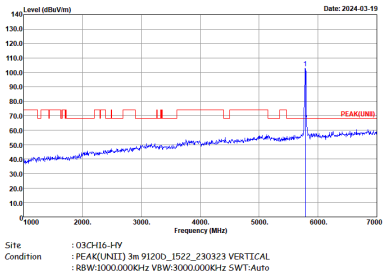
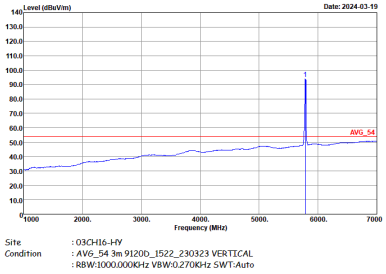
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

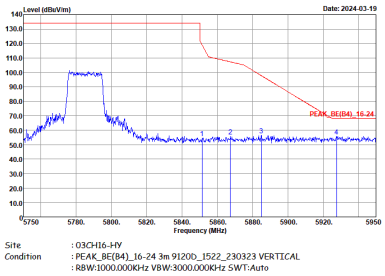
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

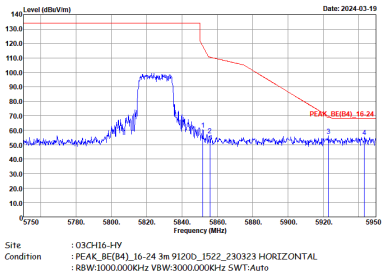
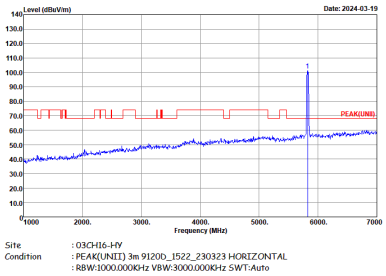
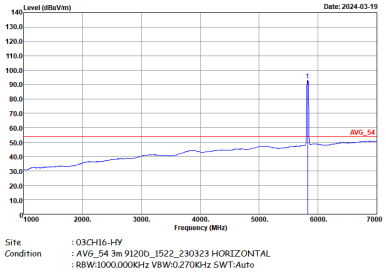
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

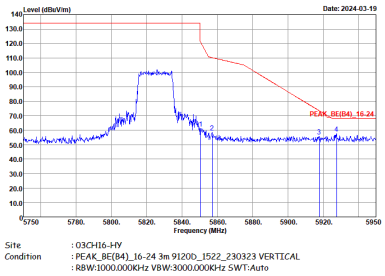
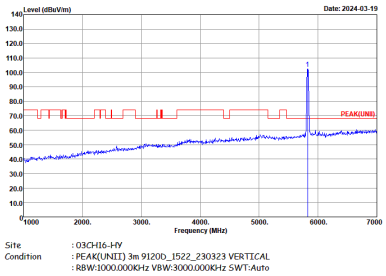
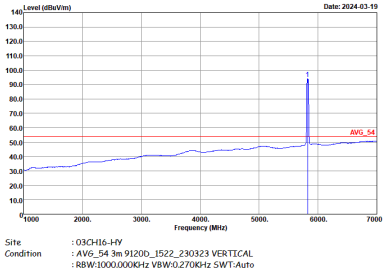
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

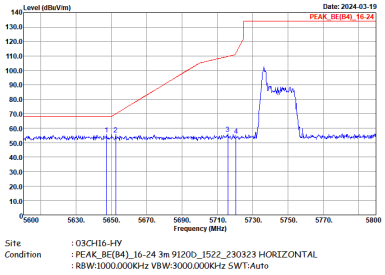
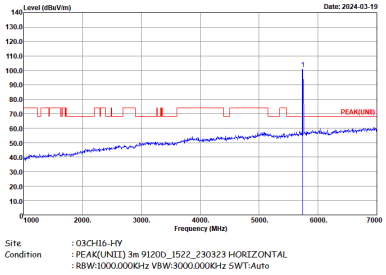
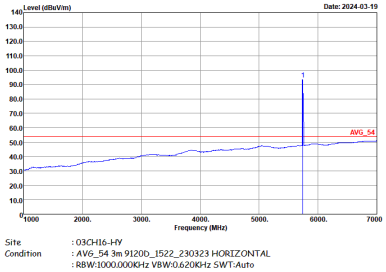
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1	Vertical	Fundamental
Peak		Left blank

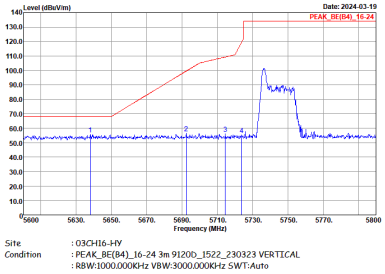
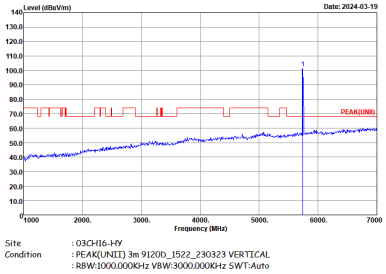
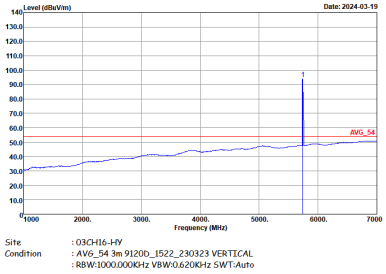
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

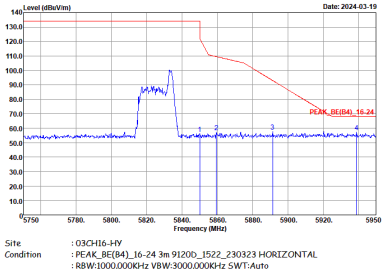
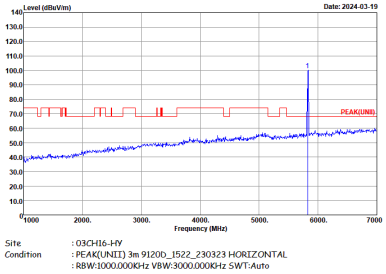
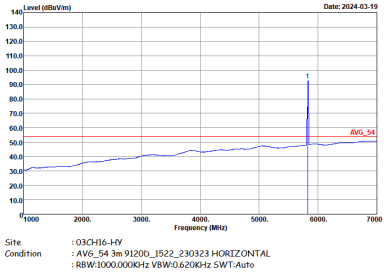
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

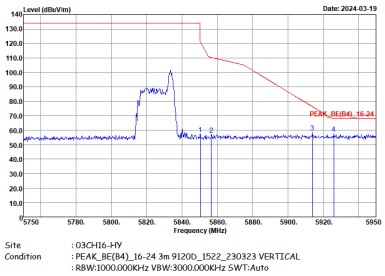
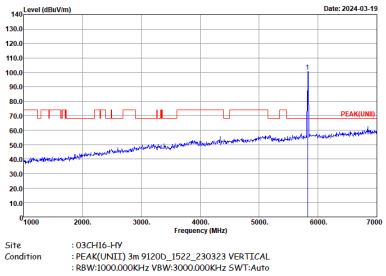
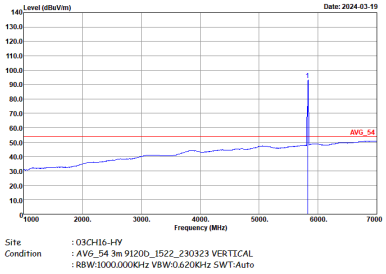
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank		

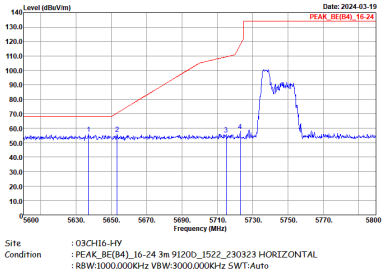
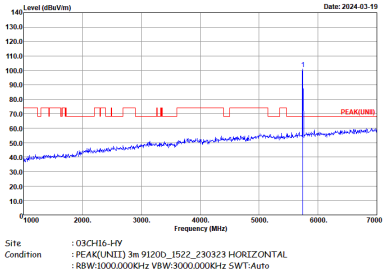
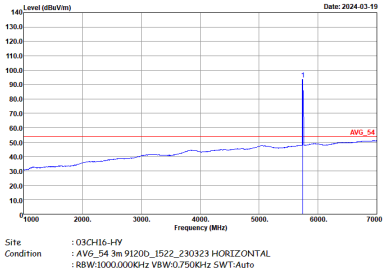
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

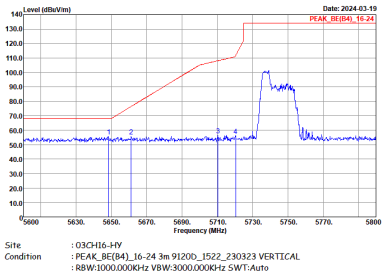
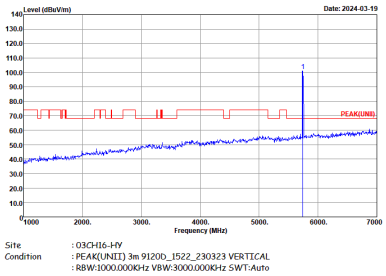
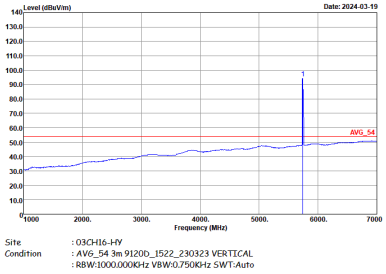
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

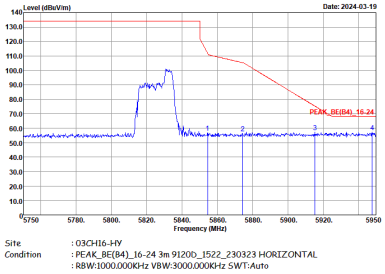
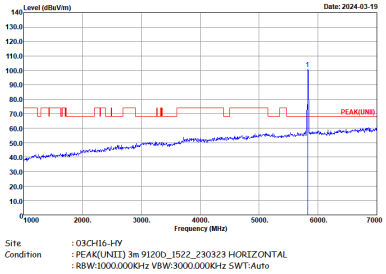
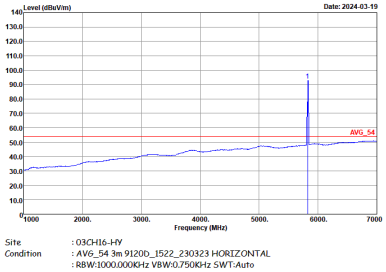
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

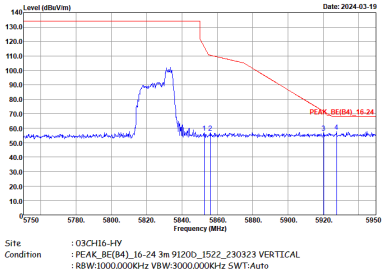
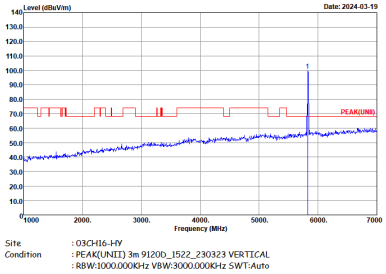
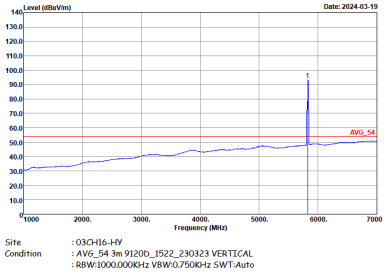
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

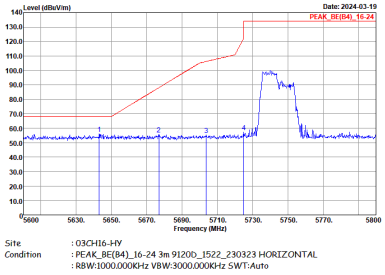
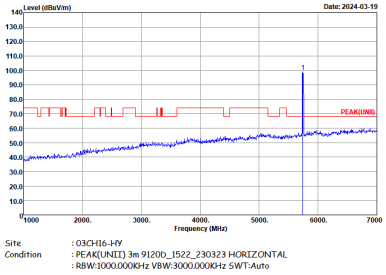
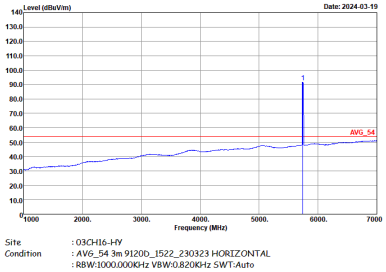
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

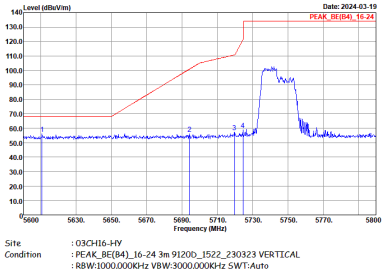
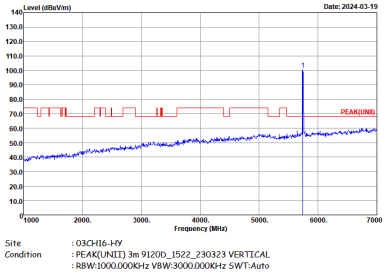
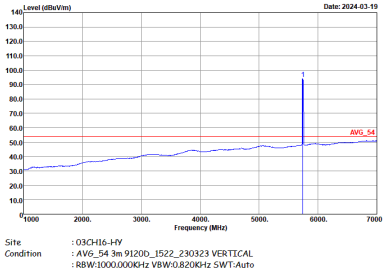
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

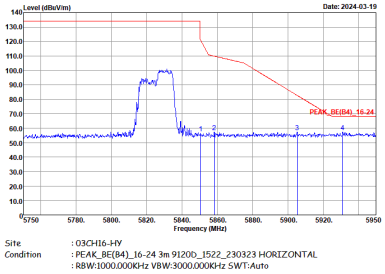
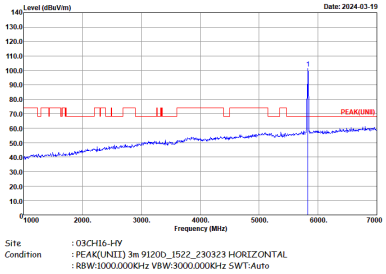
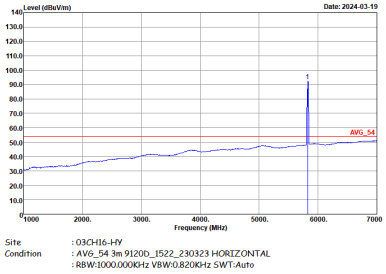
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

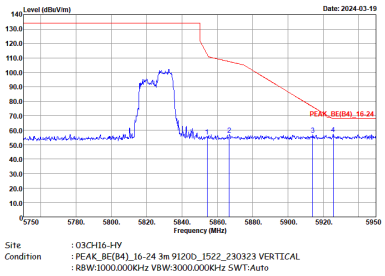
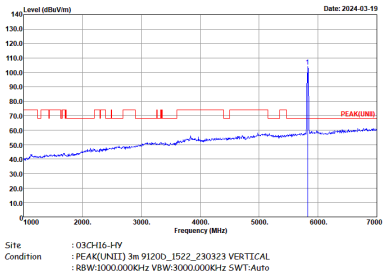
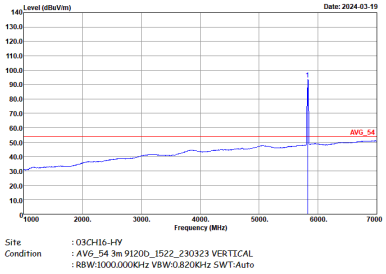
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

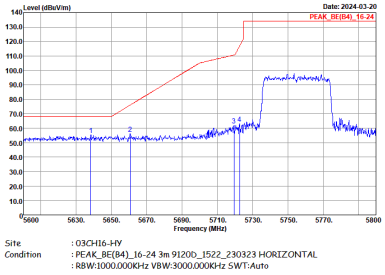
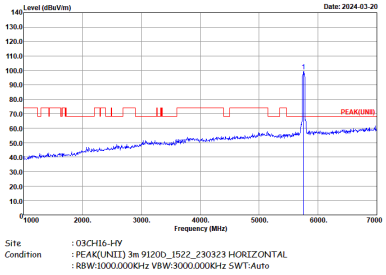
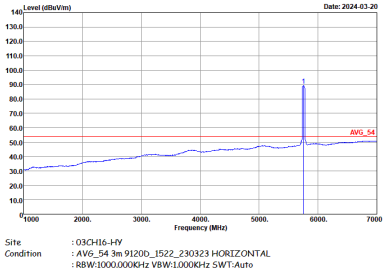
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

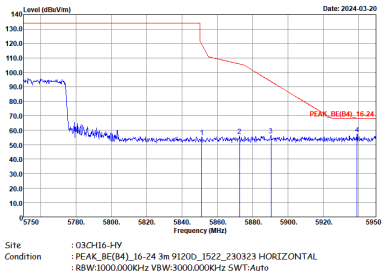
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

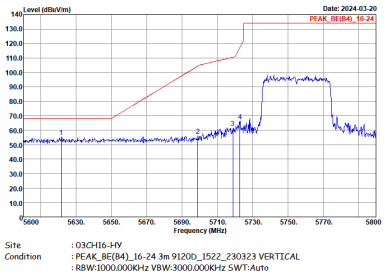
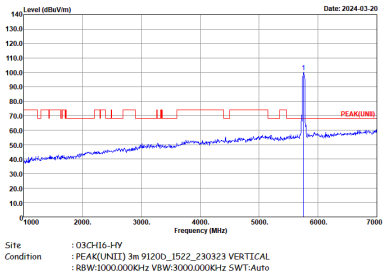
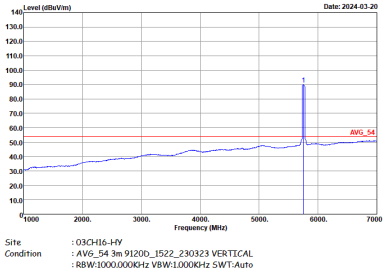
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

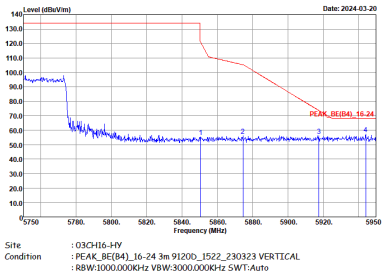
Band 4 5725~5850MHz

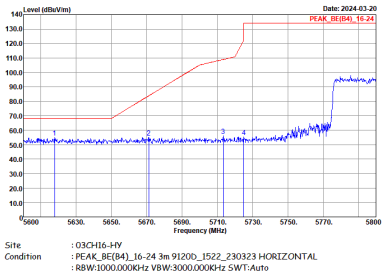
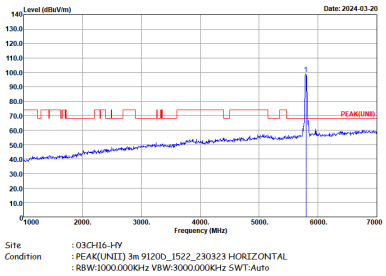
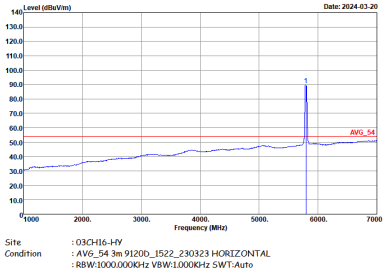
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

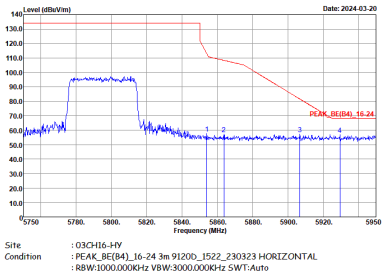
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

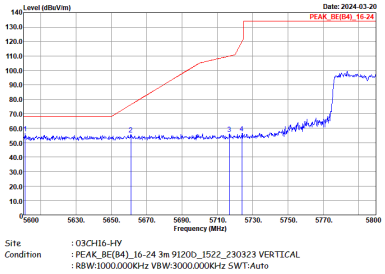
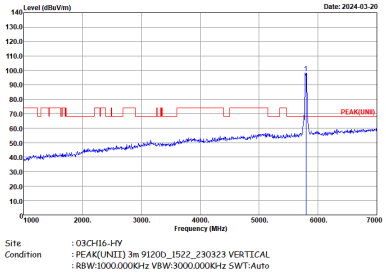
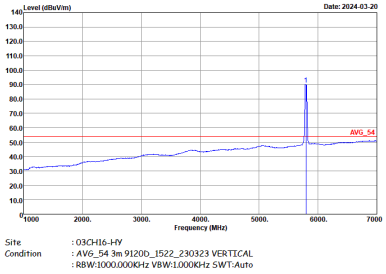
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1	Horizontal	Fundamental
Peak		Left blank

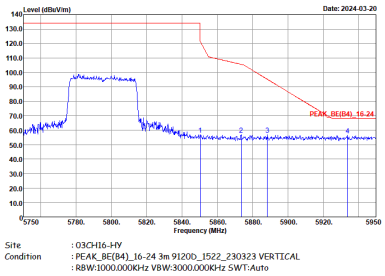
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1	Vertical	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

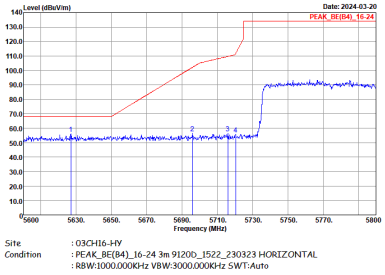
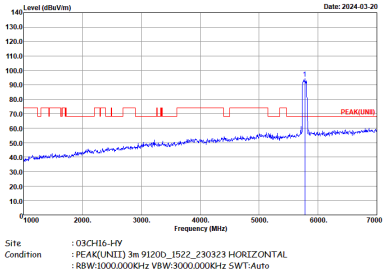
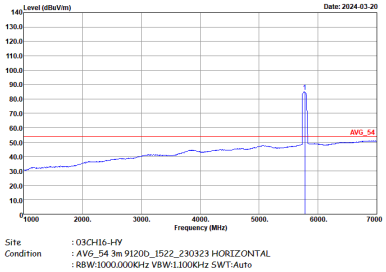
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak		Left blank

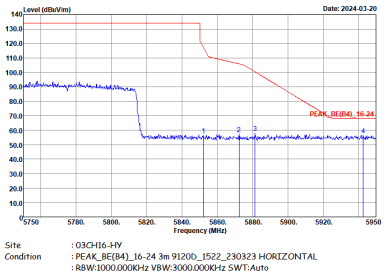
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

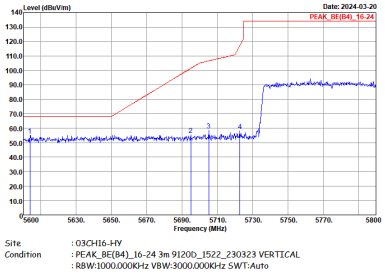
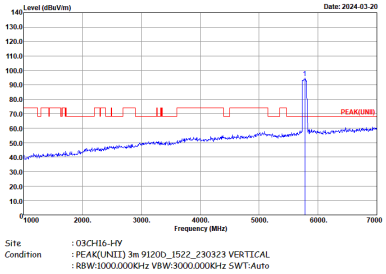
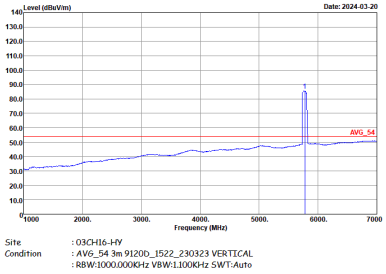
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1	Vertical	Fundamental
Peak		Left blank

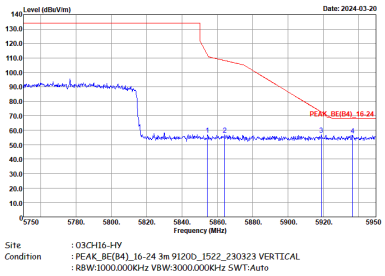
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

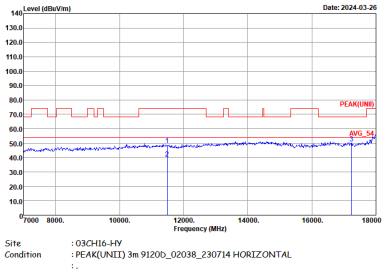
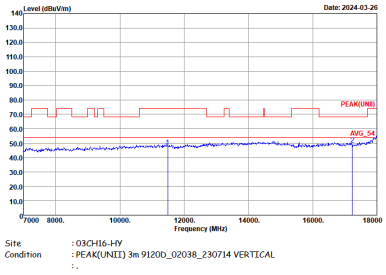
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1	Horizontal	Fundamental
Peak		Left blank

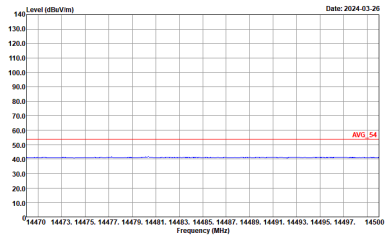
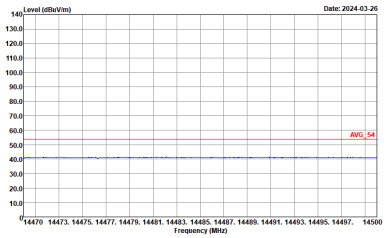
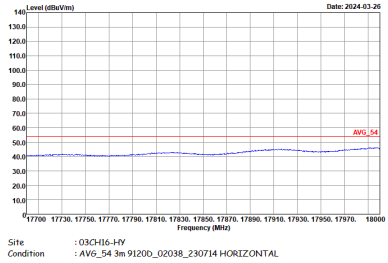
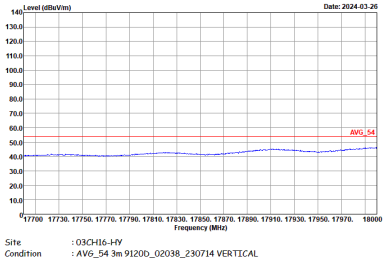
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

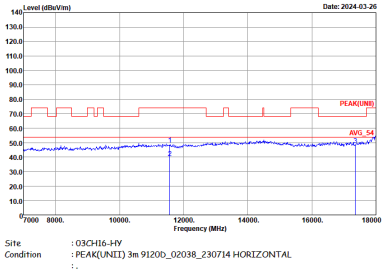
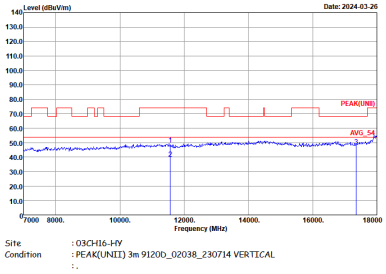
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1	Vertical	Fundamental
Peak		Left blank

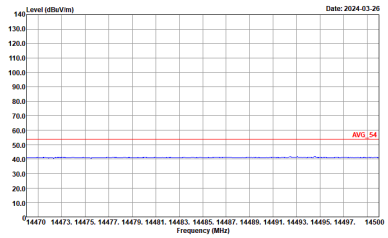
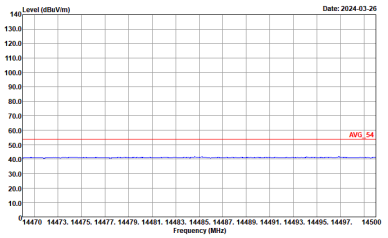
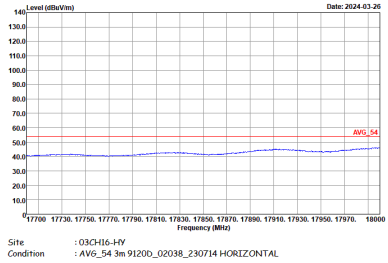
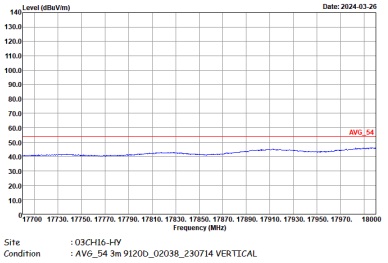
Band 4 - 5725~5850MHz

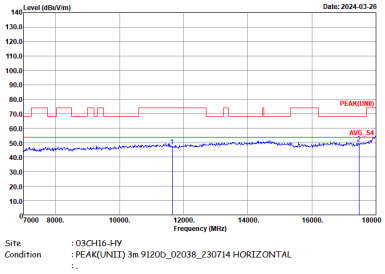
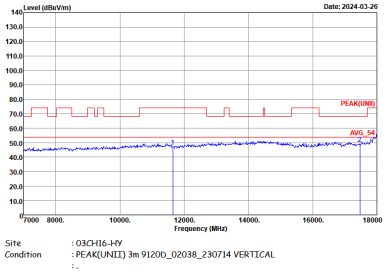
WIFI 802.11a (Harmonic @ 3m)

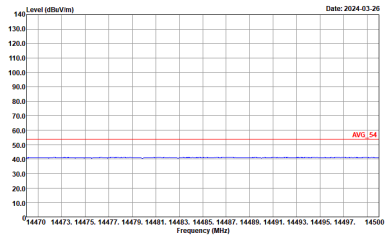
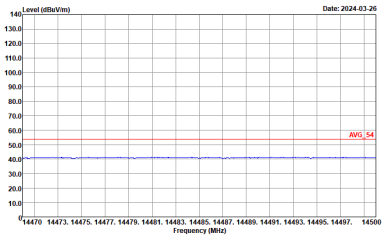
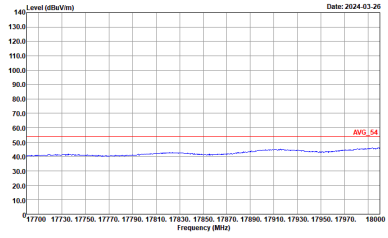
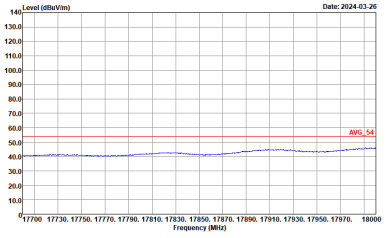
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.		

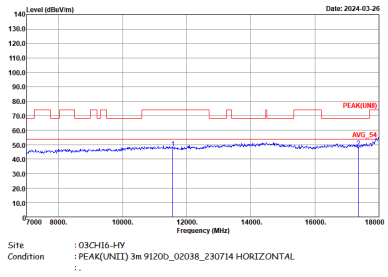
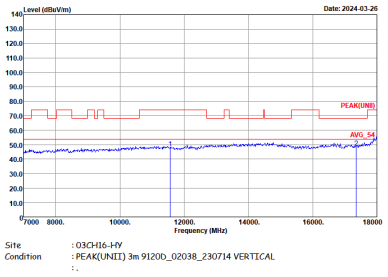
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

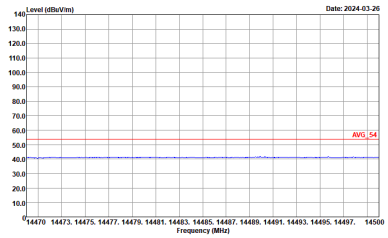
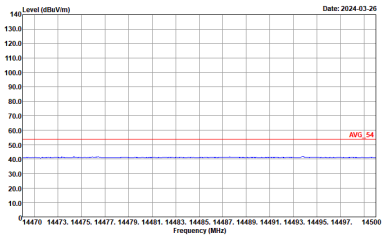
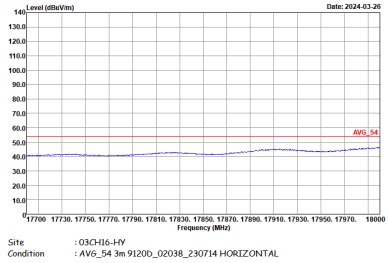
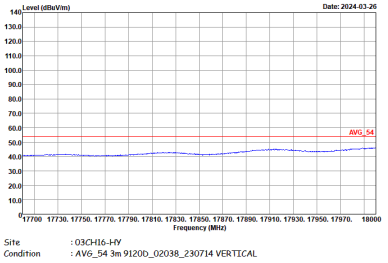
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : .	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 VERTICAL : .
17.7G ~18G Avg	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : .	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 VERTICAL : .

Band 4 5725~5850MHz

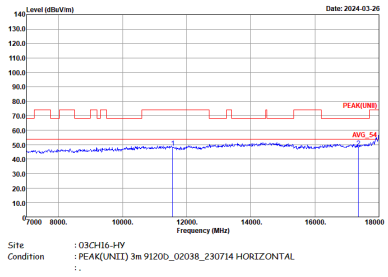
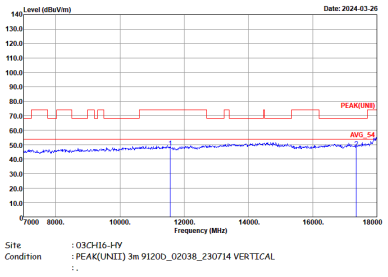
WIFI 802.11n HT20 (Harmonic @ 3m)

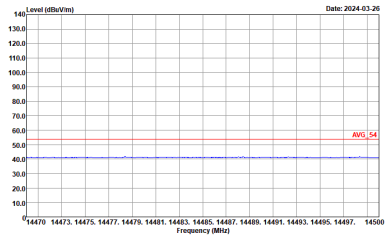
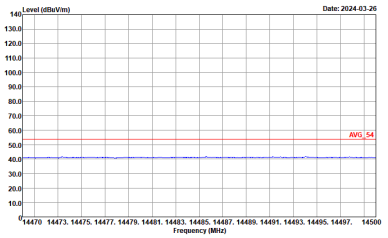
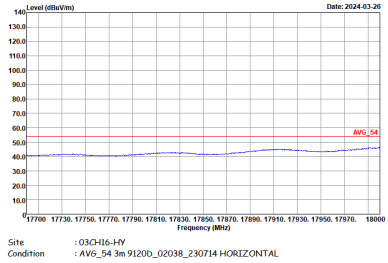
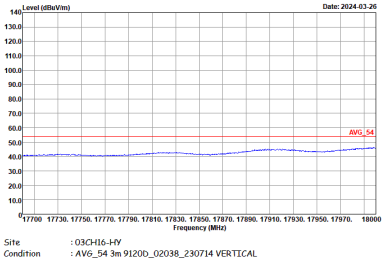
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

Band 4 5725~5850MHz

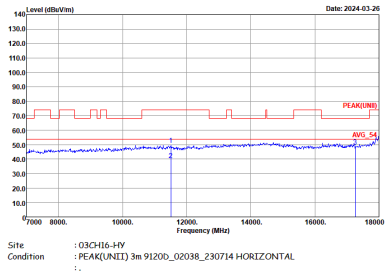
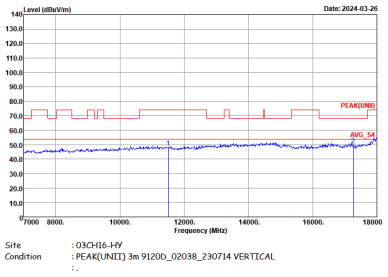
WIFI 802.11ac VHT20 (Harmonic @ 3m)

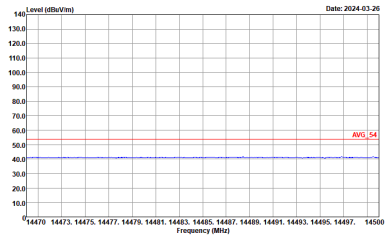
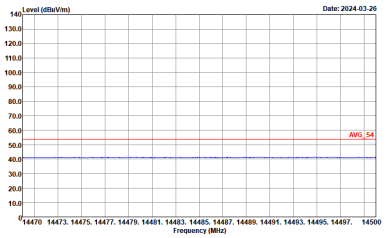
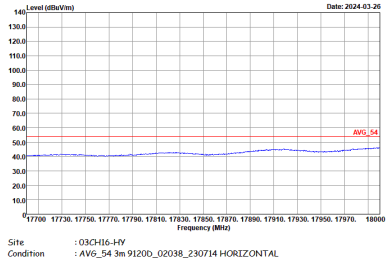
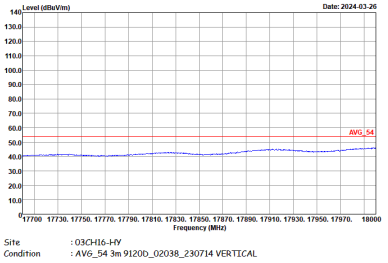
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.		

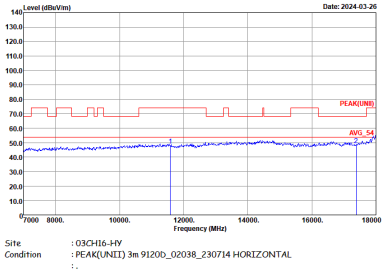
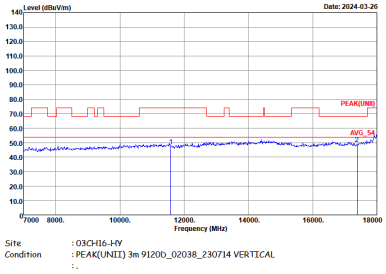
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

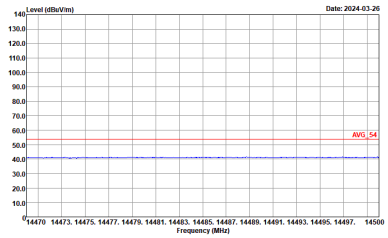
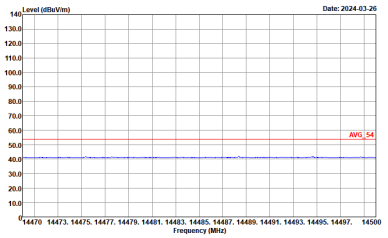
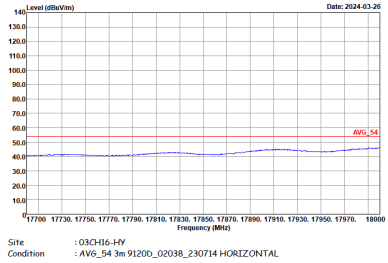
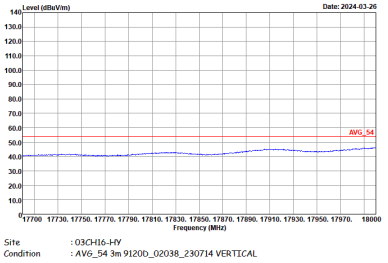
Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1	Horizontal	Vertical
Peak Avg.		

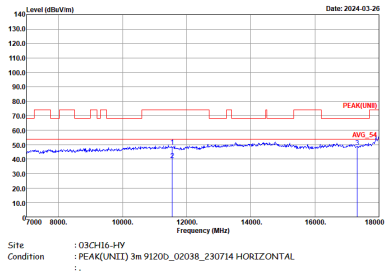
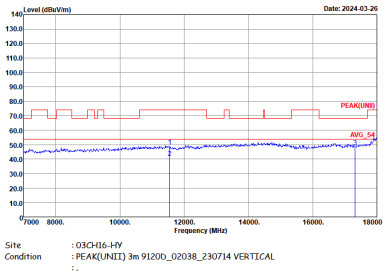
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

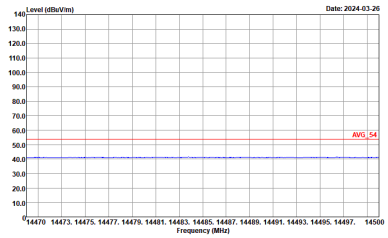
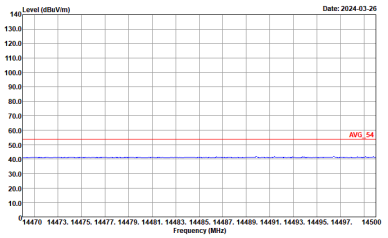
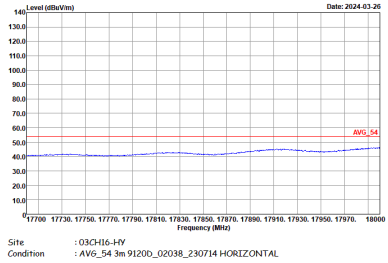
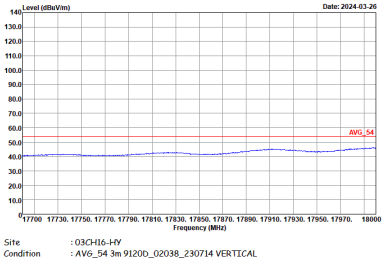
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

Band 4 - 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.