FCC RADIO TEST REPORT

FCC ID	:	**2AGOZ-P97**
Equipment	:	**VR Headset**
Brand Name	:	**Meta**
Model Name	:	**P97**
Applicant	:	**Meta Platforms Technologies, LLC. 1 Hacker Way, Menlo Park, CA 94025, USA**
Manufacturer	:	**Meta Platforms Technologies, LLC. 1 Hacker Way, Menlo Park, CA 94025, USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Apr. 03, 2024 and testing was performed from Apr. 09, 2024 to May 15, 2024. We, Sporton International Inc. EMC & Wireless Communications 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR413013-01E	01	Initial issue of report	May 28, 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	6.95 dB under the limit at 41.61 MHz
3.5	15.207	AC Conducted Emission	Pass	12.36 dB under the limit at 0.16 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: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11ax and nRF.
Sample 1	E2-C1
Sample 2	E2-C2
Sample 3	E2-C3
Sample 4	E2-C4
Antenna Type	Bluetooth: <Ant. 0>: Hybrid Slot Monopole Antenna <Ant. 1>: Hybrid Slot Monopole Antenna WLAN: <Ant. 0>: Hybrid Slot Monopole Antenna <Ant. 1>: Hybrid Slot Monopole Antenna nRF: Folded Dipole Antenna

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 0: 4.1 Ant. 1: 4.2

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

1.1.1 Antenna Directional Gain

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

Each antenna is driven by no more than one spatial stream;
N_{SS} = the number of independent spatial streams of data;
N_{ANT} = the total number of antennas
$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;
G_k is the gain in dBi of the kth antenna.

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

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

Where G1, G2….GN denote single antenna gain.

The directional gain “DG” is calculated as following table.

	Ant 0 (dBi)	Ant 1 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	4.10	4.20	4.20	7.16	0.00	1.16

Calculation example:

If a device has two antenna, G_{ANT0}= 4.1dBi; G_{ANT1}=4.2dBi

Directional gain of power measurement = max(4.1, 4.2) + 0 = 4.2 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (4.10 dBi / 20) + 10^ (4.20 dBi / 20)] ^ 2 } / 2 }

= 7.16 dBi

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH02-HY, 03CH07-HY

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

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.**
	CO07-HY (TAF Code: 3786)
Remark	The AC Conducted Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- 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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

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 only the worst case emissions were reported in this report.

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

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

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

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + nRF Link + USB Cable (Charging from AC Adapter) for Sample 1 Mode 2 : Bluetooth Link + WLAN (5GHz) Link + nRF Link + USB Cable (Charging from AC Adapter) for Sample 2 Mode 3 : Bluetooth Link + WLAN (5GHz) Link + nRF Link + USB Cable (Charging from AC Adapter) for Sample 3

Remark:
1. The worst case of Conducted Emission is mode 1; only the test data of it was reported.
2. For Radiated Test Cases, the tests were performed with Sample 1.

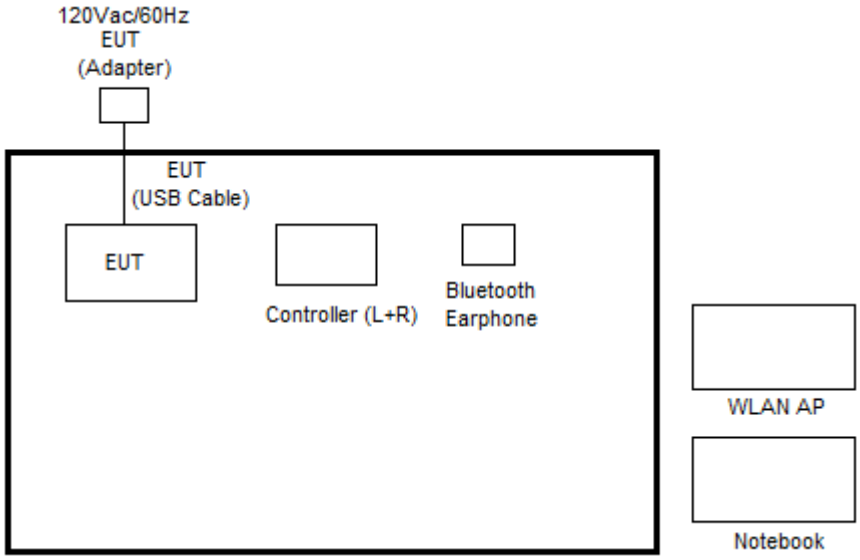
Ch. #		Band IV：5725-5850 MHz			
		802.11a	802.11ac VHT20	802.11ac VHT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

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	-

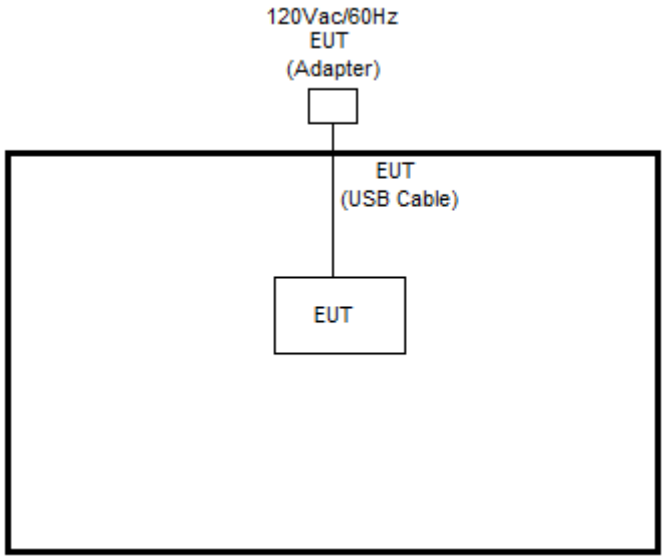
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

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	Netgear	RAXE500	PY320300508	N/A	Unshielded, 1.8 m
3.	Controller	Meta	Rubby	N/A	N/A	N/A
4.	Notebook	Dell	Latitude 3420	N/A	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT Version 4.0.211.0” 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.

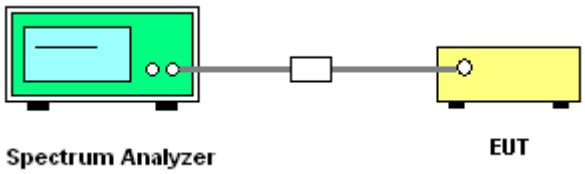
3.1.2 Measuring Instruments

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.

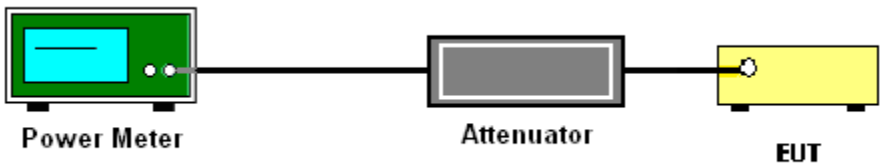
3.2.3 Test Procedures

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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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.

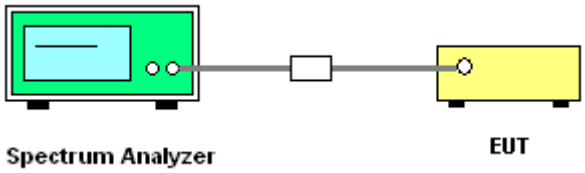
 # Method SA-2 #

(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. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
   Method (c): Measure and add 10 log(N_{ANT}) dB.
   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log(N_{ANT}) dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}$ th of the PSD limit.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted 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

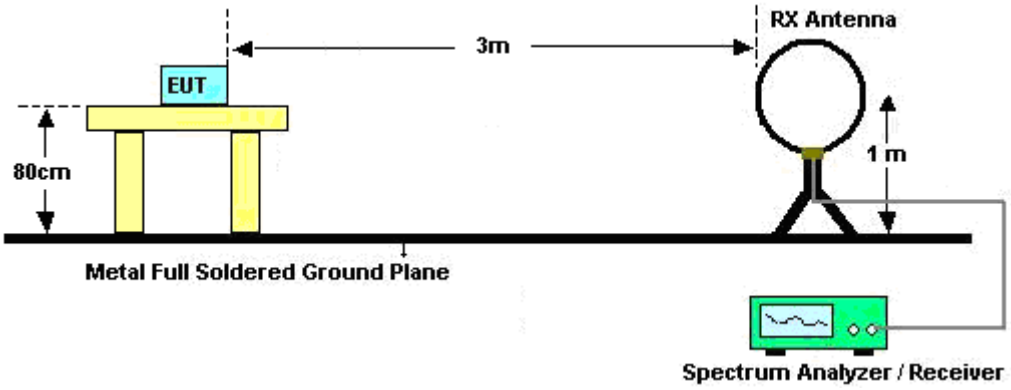
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - 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.

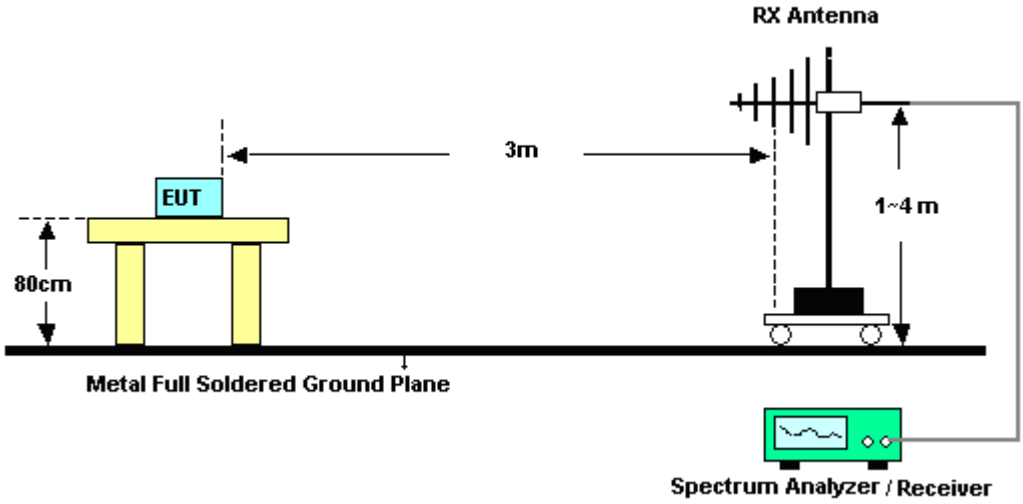
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit 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

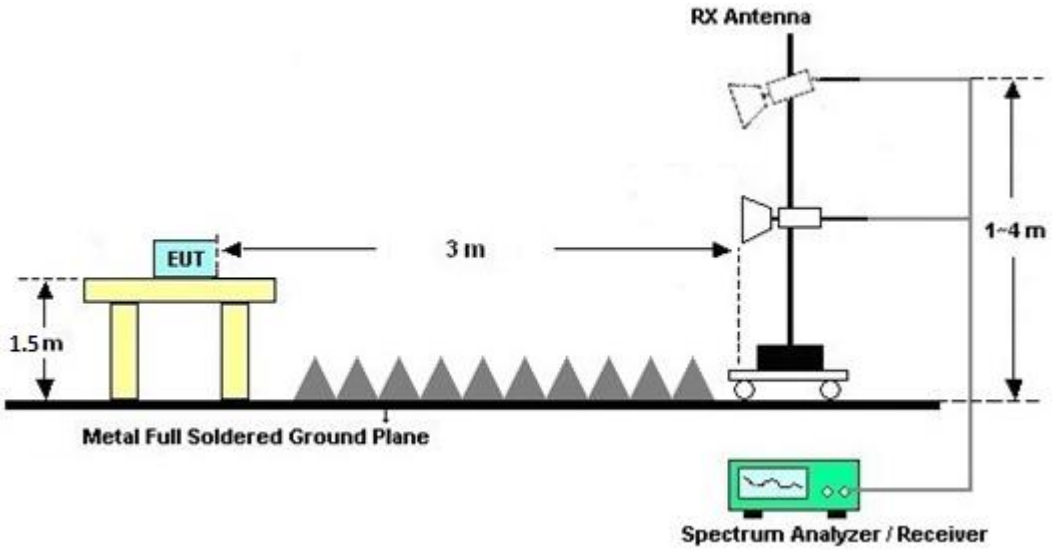
For radiated emissions below 30MHz



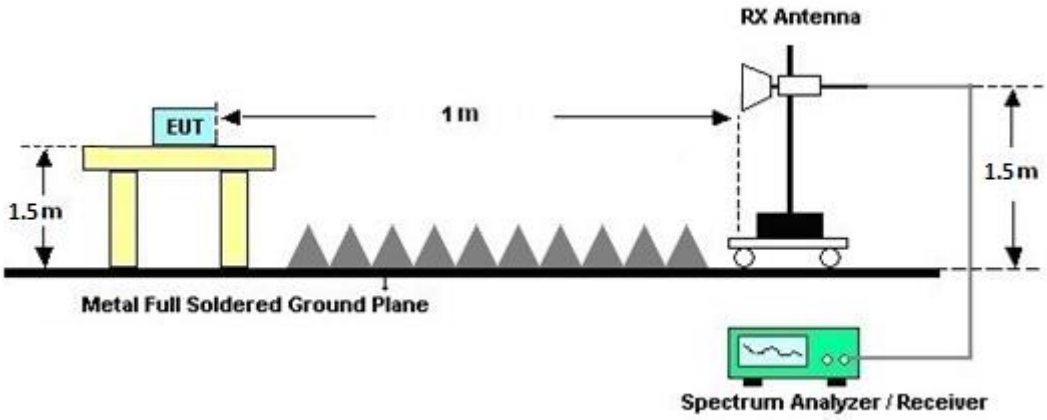
For radiated emissions from 30MHz to 1GHz



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.

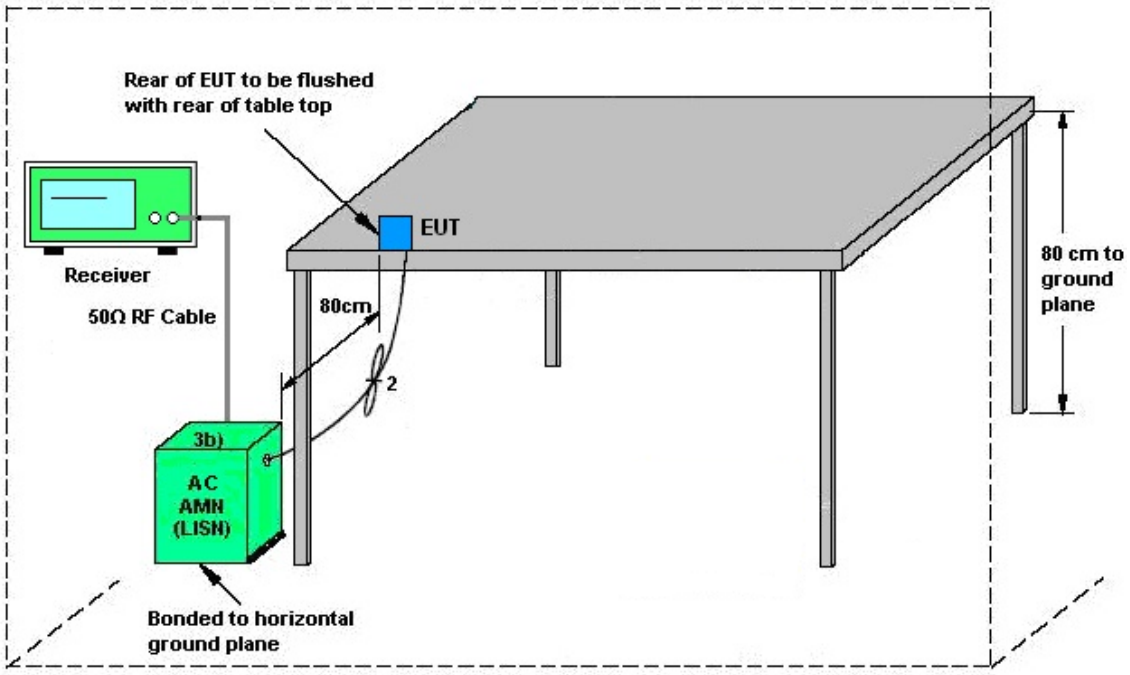
3.5.2 Measuring Instruments

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
Double Ridge Horn Antenna	ETS-Lindgren	3117	00075962	1GHz ~ 18GHz	Nov. 27, 2023	Apr. 09, 2024~ May 01, 2024	Nov. 26, 2024	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 23, 2024	Apr. 09, 2024~ May 01, 2024	Feb. 22, 2025	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 20, 2023	Apr. 09, 2024~ Apr. 18, 2024	Apr. 19, 2024	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 19, 2024	Apr. 19, 2024~ May 01, 2024	Apr. 18, 2025	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Mar. 23, 2024	Apr. 09, 2024~ May 01, 2024	Mar. 22, 2025	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 25, 2023	Apr. 09, 2024~ May 01, 2024	Jul. 24, 2024	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 26, 2024	Apr. 09, 2024~ May 01, 2024	Mar. 25, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4 MY15682/4	30MHz to 18GHz	Feb. 21, 2024	Apr. 09, 2024~ May 01, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4	9kHz to 30MHz	Feb. 21, 2024	Apr. 09, 2024~ May 01, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 15, 2023	Apr. 09, 2024~ May 01, 2024	Sep. 14, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 21, 2024	Apr. 09, 2024~ May 01, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	520418/2	9KHz ~ 40GHz	Aug. 04, 2023	Apr. 09, 2024~ May 01, 2024	Aug. 03, 2024	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Apr. 09, 2024~ May 01, 2024	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Apr. 09, 2024~ May 01, 2024	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Apr. 09, 2024~ May 01, 2024	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Apr. 09, 2024~ May 01, 2024	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Apr. 09, 2024~ May 01, 2024	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 01, 2024	Apr. 09, 2024~ May 01, 2024	Feb. 28, 2025	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 24, 2023	Apr. 09, 2024~ May 01, 2024	Nov. 23, 2024	Radiation (03CH07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Apr. 09, 2024~ May 15, 2024	Nov. 06, 2024	Conducted (TH02-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO36 (NO:35_144)	10MHz~6GHz	Aug. 23, 2023	Apr. 09, 2024~ May 15, 2024	Aug. 22, 2024	Conducted (TH02-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Apr. 09, 2024~ May 15, 2024	Sep. 11, 2024	Conducted (TH02-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	Apr. 25, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Apr. 25, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Apr. 25, 2024	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Apr. 25, 2024	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Apr. 25, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Apr. 25, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Apr. 25, 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))	**6.3 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.6 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.3 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.3 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2024/4/9 ~2024/5/15	Relative Humidity:	51~54	%

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

U-NII-3 MIMO												
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	149	5745	16.33	16.33	19.39	19.74	15.10	15.01	0.5	Pass
11a	6Mbps	2	157	5785	16.33	16.38	19.79	19.98	15.09	14.36	0.5	Pass
11a	6Mbps	2	165	5825	16.33	16.33	19.62	19.38	15.03	15.07	0.5	Pass
VHT20	MCS0	2	149	5745	17.53	17.53	20.50	20.98	13.89	15.06	0.5	Pass
VHT20	MCS0	2	157	5785	17.58	17.53	20.67	20.52	12.50	14.41	0.5	Pass
VHT20	MCS0	2	165	5825	17.53	17.53	20.63	21.05	16.65	14.87	0.5	Pass
VHT40	MCS0	2	151	5755	36.06	36.06	40.77	40.74	35.10	33.80	0.5	Pass
VHT40	MCS0	2	159	5795	36.16	36.06	40.86	41.17	35.11	35.11	0.5	Pass
VHT80	MCS0	2	155	5775	74.81	74.93	81.12	81.38	68.77	67.60	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	16.00	16.20	19.11	30.00		4.20		Pass
11a	6Mbps	2	157	5785	15.60	15.90	18.76	30.00		4.20		Pass
11a	6Mbps	2	165	5825	16.00	16.30	19.16	30.00		4.20		Pass
HT20	MCS0	2	149	5745	15.40	15.60	18.51	30.00		4.20		Pass
HT20	MCS0	2	157	5785	15.10	15.50	18.31	30.00		4.20		Pass
HT20	MCS0	2	165	5825	15.40	15.80	18.61	30.00		4.20		Pass
HT40	MCS0	2	151	5755	16.10	16.10	19.11	30.00		4.20		Pass
HT40	MCS0	2	159	5795	15.80	16.20	19.01	30.00		4.20		Pass
VHT20	MCS0	2	149	5745	15.70	15.70	18.71	30.00		4.20		Pass
VHT20	MCS0	2	157	5785	15.40	15.60	18.51	30.00		4.20		Pass
VHT20	MCS0	2	165	5825	15.70	15.90	18.81	30.00		4.20		Pass
VHT40	MCS0	2	151	5755	16.20	16.20	19.21	30.00		4.20		Pass
VHT40	MCS0	2	159	5795	15.90	16.30	19.11	30.00		4.20		Pass
VHT80	MCS0	2	155	5775	15.00	15.00	18.01	30.00		4.20		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	0.05	0.04	2.22		3.22	3.26	6.27	28.84		7.16		Pass
11a	6Mbps	2	157	5785	0.05	0.04	2.22		2.90	3.18	6.19	28.84		7.16		Pass
11a	6Mbps	2	165	5825	0.05	0.04	2.22		3.53	3.82	6.83	28.84		7.16		Pass
VHT20	MCS0	2	149	5745	0.00	0.00	2.22		2.61	2.68	5.69	28.84		7.16		Pass
VHT20	MCS0	2	157	5785	0.00	0.00	2.22		2.45	2.56	5.57	28.84		7.16		Pass
VHT20	MCS0	2	165	5825	0.00	0.00	2.22		2.92	3.10	6.11	28.84		7.16		Pass
VHT40	MCS0	2	151	5755	0.00	0.00	2.22		0.90	0.43	3.91	28.84		7.16		Pass
VHT40	MCS0	2	159	5795	0.00	0.00	2.22		0.19	0.21	3.22	28.84		7.16		Pass
VHT80	MCS0	2	155	5775	0.04	0.04	2.22		-3.27	-3.51	-0.26	28.84		7.16		Pass

Note: PSD Sum = Max PSD(Ant. 0, Ant. 1) + 10 log (n)

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

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	149	5745	Full	18.83	18.83	20.94	21.10	15.12	14.86	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.88	18.88	21.02	21.04	17.72	16.80	0.5	Pass
HE20	MCS0	2	165	5825	Full	18.88	18.88	21.02	20.79	18.09	16.03	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.76	37.76	41.20	41.20	32.54	35.06	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.86	37.76	41.33	41.30	35.14	33.80	0.5	Pass
HE80	MCS0	2	155	5775	Full	76.60	76.96	81.86	81.86	66.37	73.84	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	15.90	16.00	18.96	30.00		4.20		Pass
HE20	MCS0	2	149	5745	26/0	12.80	12.50	15.66	30.00		4.20		Pass
HE20	MCS0	2	149	5745	52/37	13.20	13.10	16.16	30.00		4.20		Pass
HE20	MCS0	2	149	5745	106/53	14.10	14.30	17.21	30.00		4.20		Pass
HE20	MCS0	2	157	5785	Full	15.60	15.90	18.76	30.00		4.20		Pass
HE20	MCS0	2	157	5785	26/4	16.20	16.20	19.21	30.00		4.20		Pass
HE20	MCS0	2	157	5785	52/38	14.50	15.00	17.77	30.00		4.20		Pass
HE20	MCS0	2	157	5785	106/53	13.90	14.20	17.06	30.00		4.20		Pass
HE20	MCS0	2	165	5825	Full	15.90	16.20	19.06	30.00		4.20		Pass
HE20	MCS0	2	165	5825	26/8	12.50	12.70	15.61	30.00		4.20		Pass
HE20	MCS0	2	165	5825	52/40	13.00	13.30	16.16	30.00		4.20		Pass
HE20	MCS0	2	165	5825	106/54	14.00	14.20	17.11	30.00		4.20		Pass
HE40	MCS0	2	151	5755	Full	16.10	16.00	19.06	30.00		4.20		Pass
HE40	MCS0	2	151	5755	242/61	14.90	14.80	17.86	30.00		4.20		Pass
HE40	MCS0	2	159	5795	Full	15.60	16.10	18.87	30.00		4.20		Pass
HE40	MCS0	2	159	5795	242/62	14.50	14.80	17.66	30.00		4.20		Pass
HE80	MCS0	2	155	5775	Full	15.00	15.00	18.01	30.00		4.20		Pass

TEST RESULTS DATA
Power Spectral Density

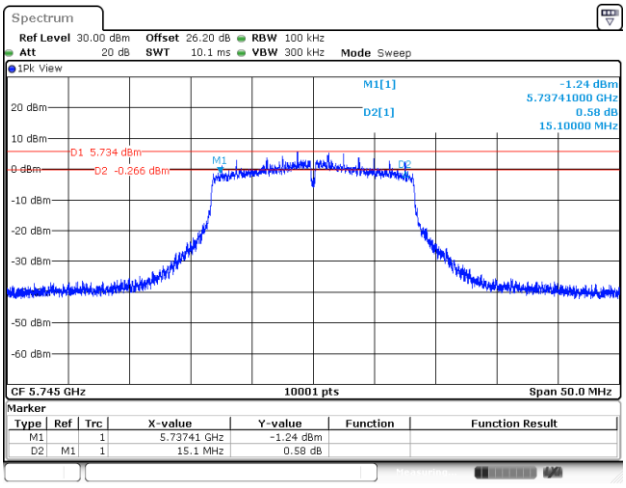
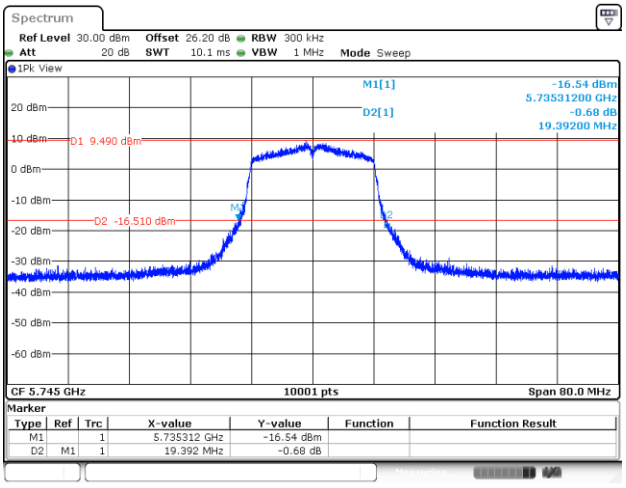
U-NII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	0.00	0.00	2.22		2.49	2.39	5.50	28.84		7.16		Pass
HE20	MCS0	2	149	5745	26/0	0.00	0.00	2.22		6.66	6.26	9.67	28.84		7.16		Pass
HE20	MCS0	2	149	5745	52/37	0.00	0.00	2.22		2.35	2.50	5.51	28.84		7.16		Pass
HE20	MCS0	2	149	5745	106/53	0.00	0.00	2.22		1.95	1.80	4.96	28.84		7.16		Pass
HE20	MCS0	2	157	5785	Full	0.00	0.00	2.22		2.30	2.28	5.31	28.84		7.16		Pass
HE20	MCS0	2	157	5785	26/4	0.00	0.00	2.22		7.91	9.22	12.23	28.84		7.16		Pass
HE20	MCS0	2	157	5785	52/38	0.00	0.00	2.22		6.14	6.03	9.15	28.84		7.16		Pass
HE20	MCS0	2	157	5785	106/53	0.00	0.00	2.22		3.10	3.34	6.35	28.84		7.16		Pass
HE20	MCS0	2	165	5825	Full	0.00	0.00	2.22		2.86	2.95	5.96	28.84		7.16		Pass
HE20	MCS0	2	165	5825	26/8	0.00	0.00	2.22		6.68	6.49	9.69	28.84		7.16		Pass
HE20	MCS0	2	165	5825	52/40	0.00	0.00	2.22		4.01	4.44	7.45	28.84		7.16		Pass
HE20	MCS0	2	165	5825	106/54	0.00	0.00	2.22		3.48	3.78	6.79	28.84		7.16		Pass
HE40	MCS0	2	151	5755	Full	0.00	0.00	2.22		0.10	-0.25	3.11	28.84		7.16		Pass
HE40	MCS0	2	151	5755	242/61	0.00	0.00	2.22		-0.38	-0.89	2.63	28.84		7.16		Pass
HE40	MCS0	2	159	5795	Full	0.00	0.00	2.22		-0.44	-0.19	2.82	28.84		7.16		Pass
HE40	MCS0	2	159	5795	242/62	0.00	0.00	2.22		-0.30	-0.72	2.71	28.84		7.16		Pass
HE80	MCS0	2	155	5775	Full	0.04	0.04	2.22		-3.38	-3.72	-0.37	28.84		7.16		Pass

Note: PSD Sum = Max PSD(Ant. 0, Ant. 1) + 10 log (n)

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

MIMO <Ant. 0+1>

<802.11a>

6dB Bandwidth	26dB Bandwidth
	
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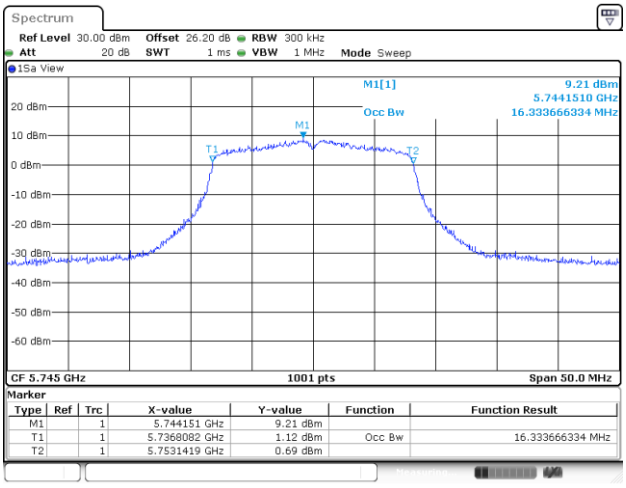
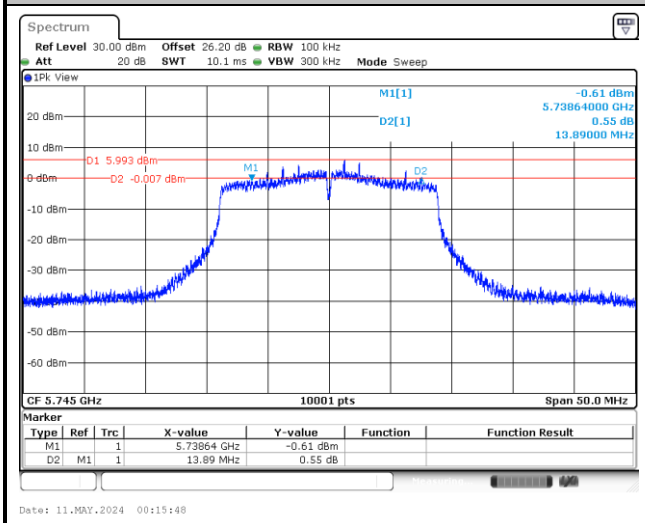
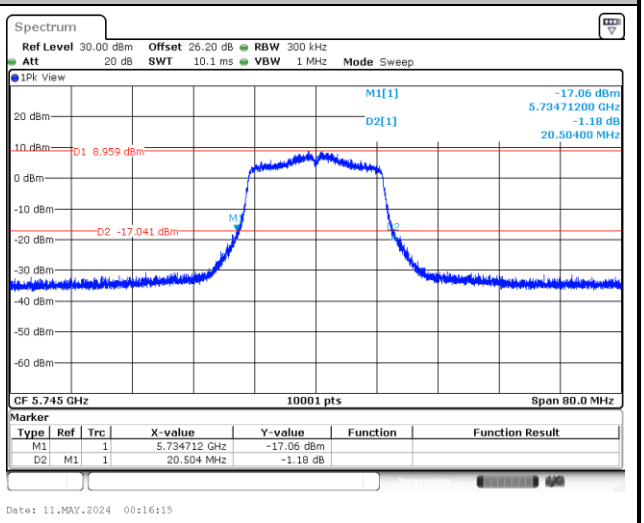
	

<802.11ac VHT20>

6dB Bandwidth	26dB Bandwidth
	
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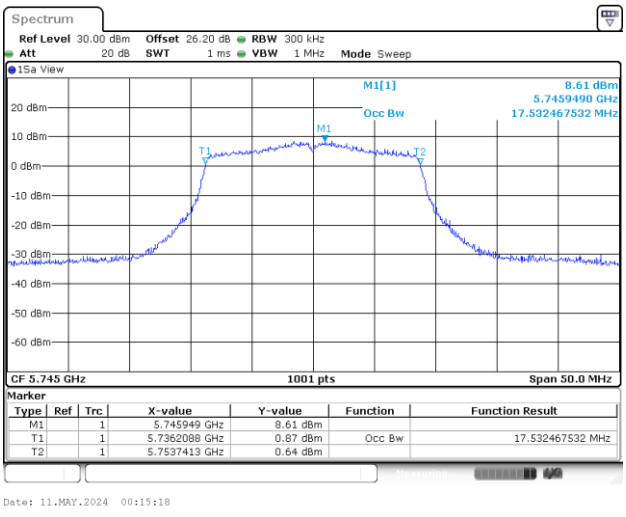
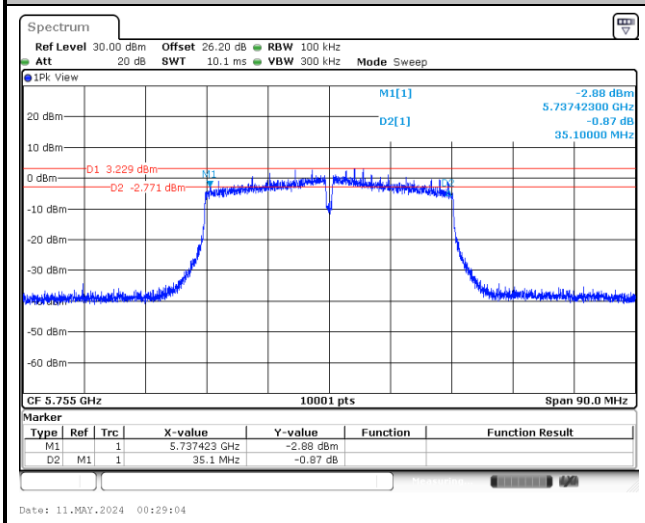
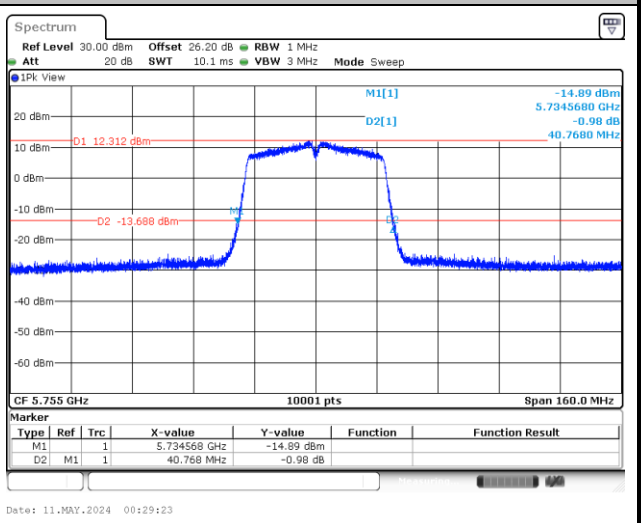
	

<802.11ac VHT40>

6dB Bandwidth	26dB Bandwidth
	
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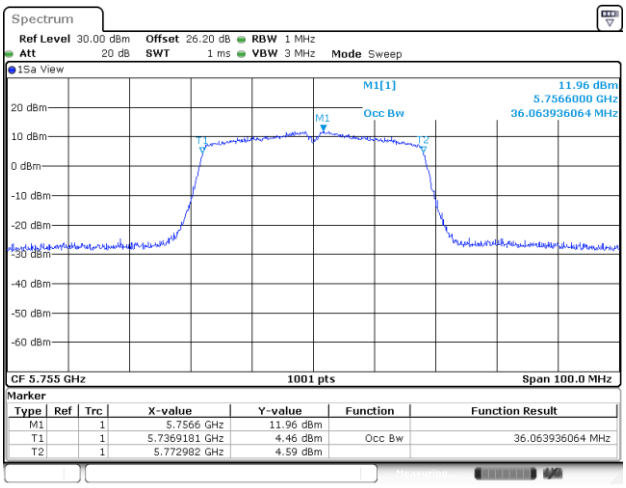
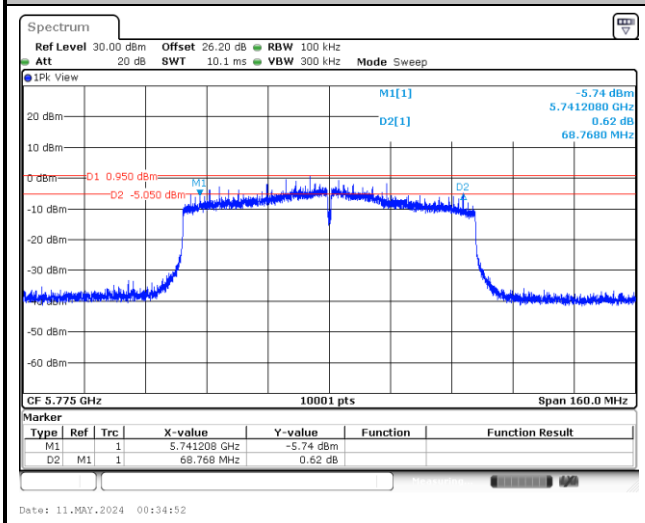
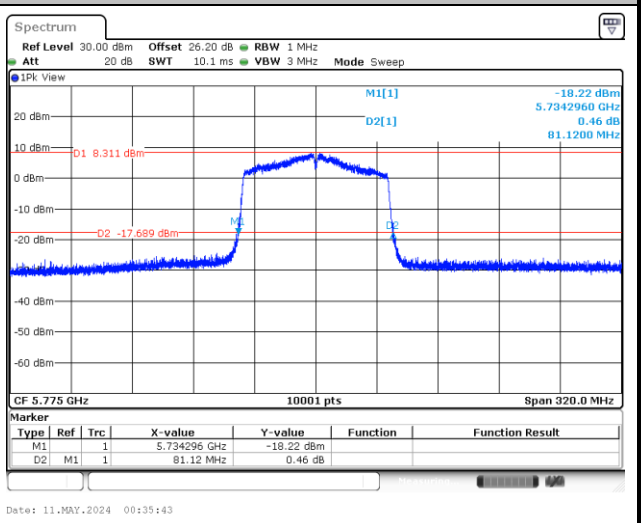
	

<802.11ac VHT80>

6dB Bandwidth	26dB Bandwidth
	
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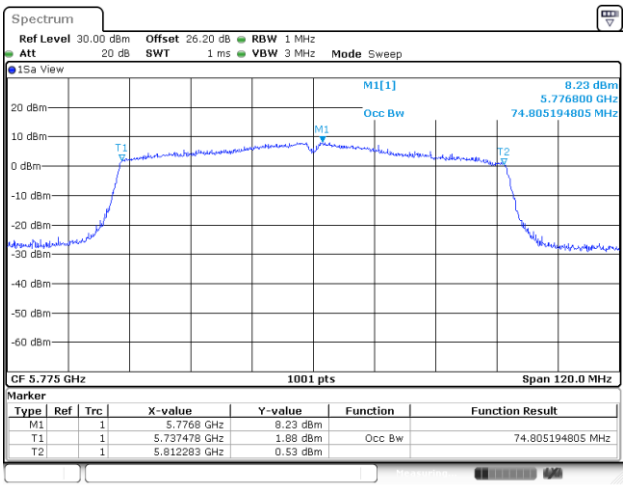
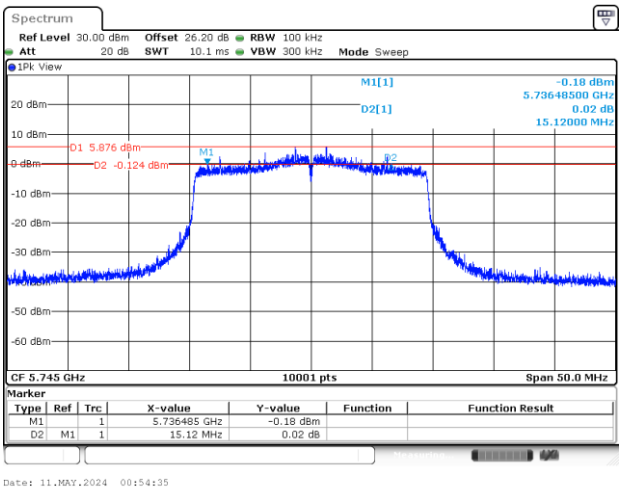
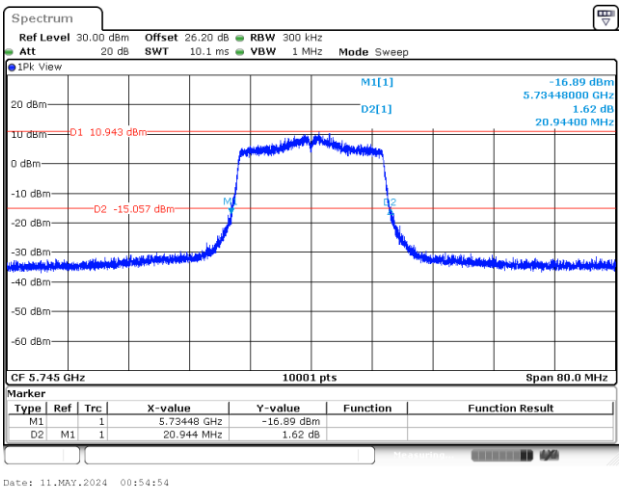
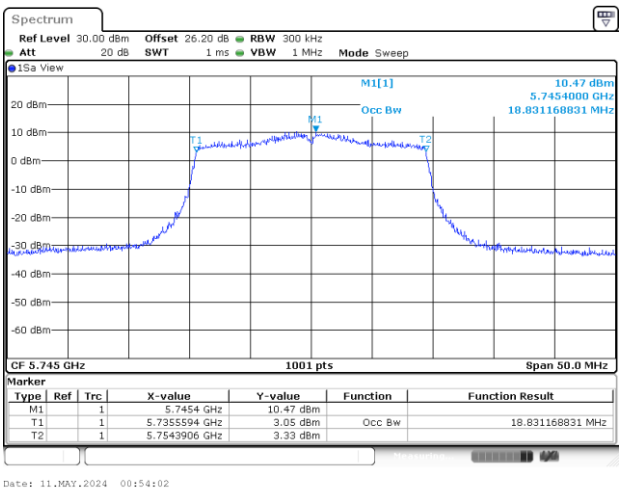
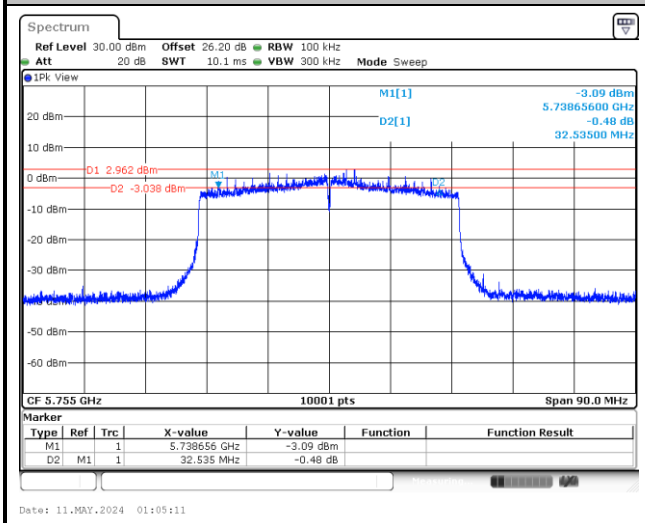
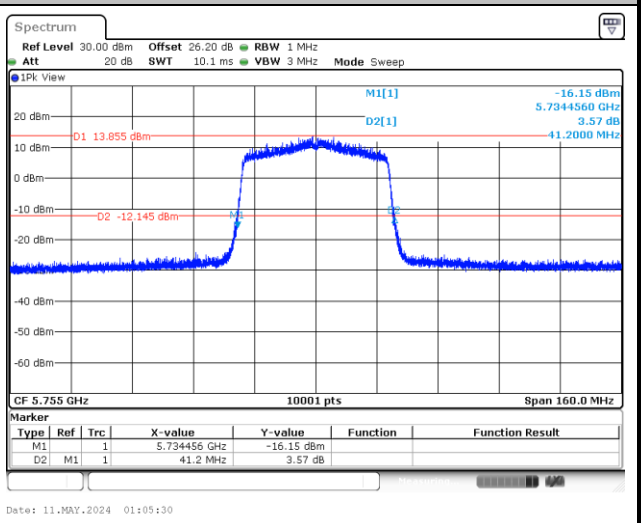
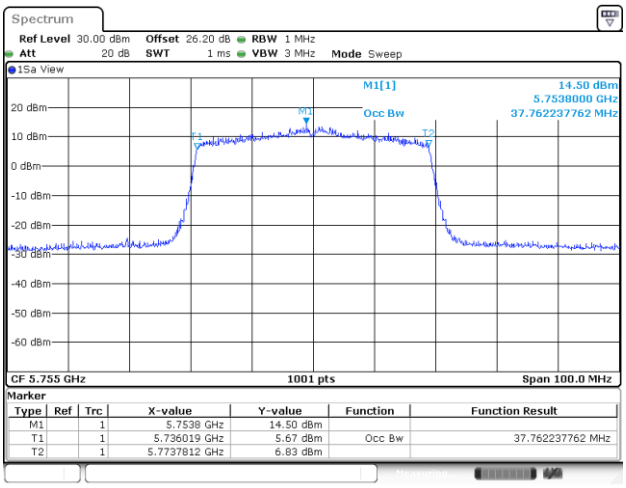
	

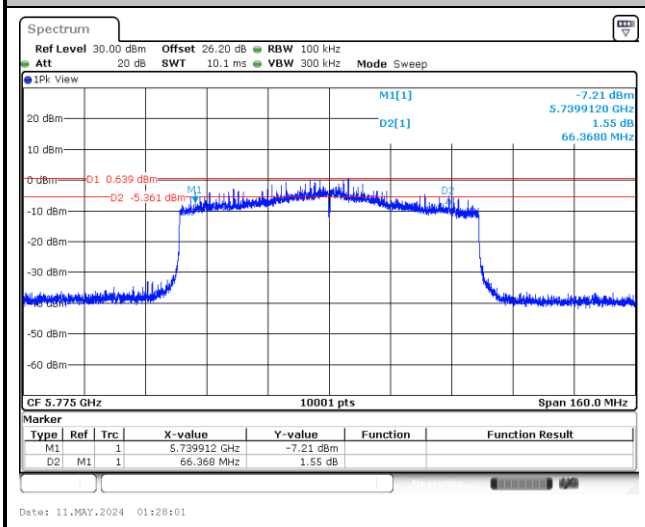
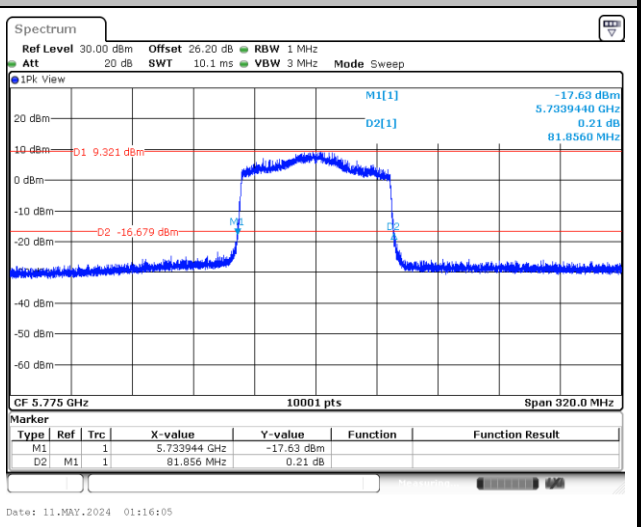
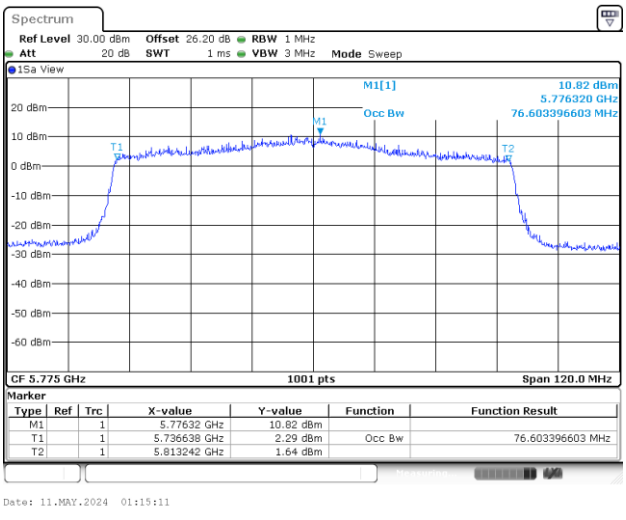
<802.11ax HE20>

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

<802.11ax HE40>

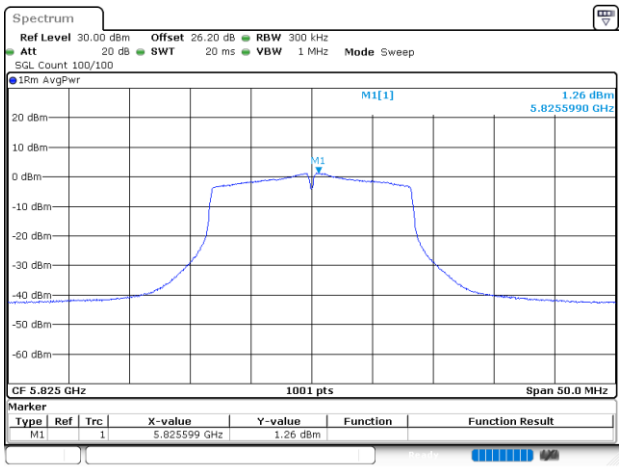
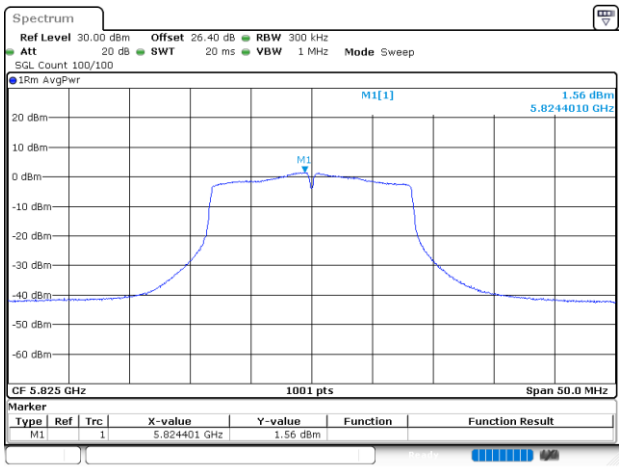
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ax HE80>

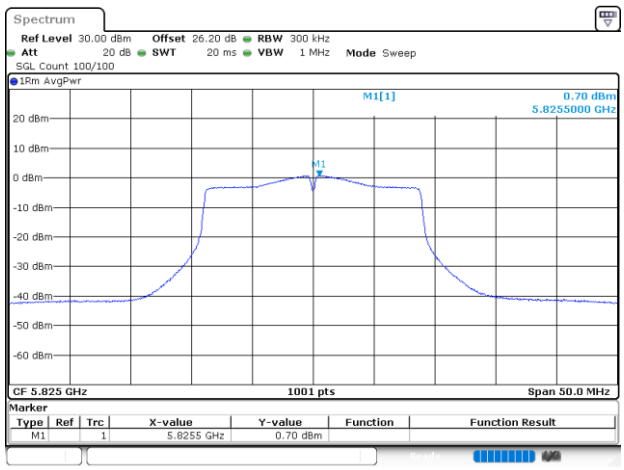
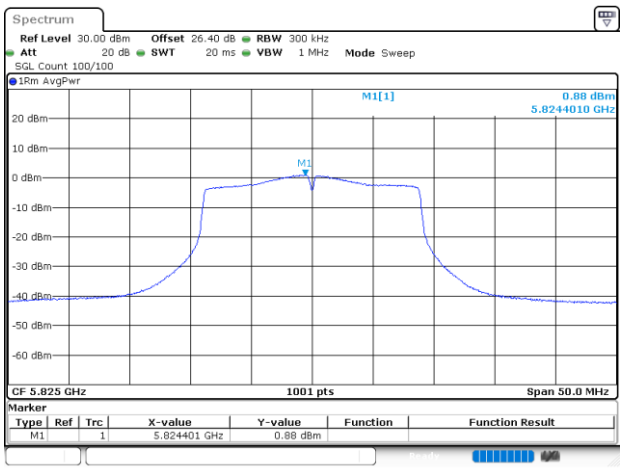
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

Test Result of Power Spectral Density

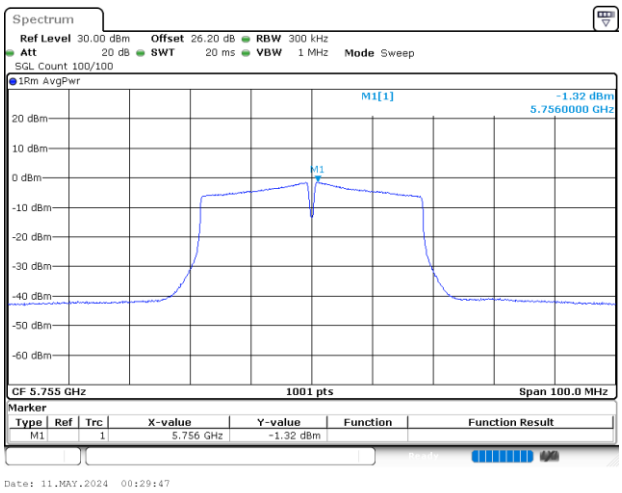
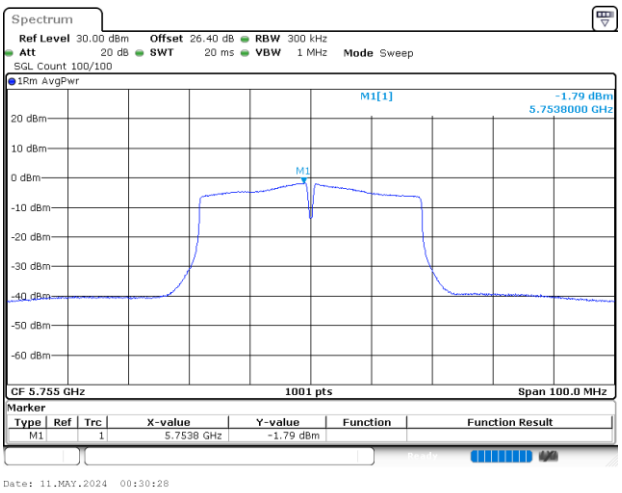
<802.11a>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO Ant. 1**
	

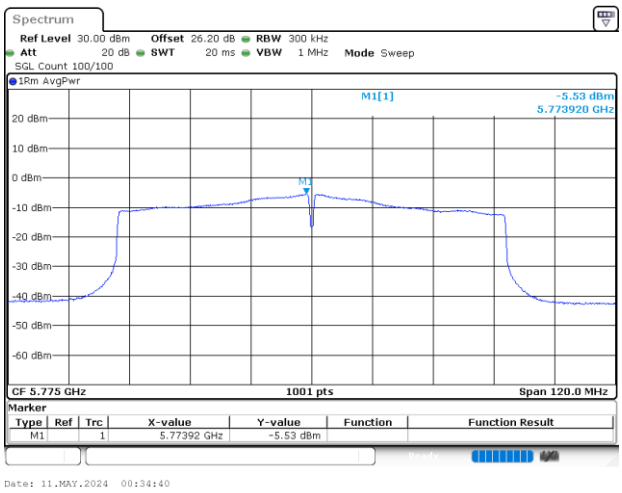
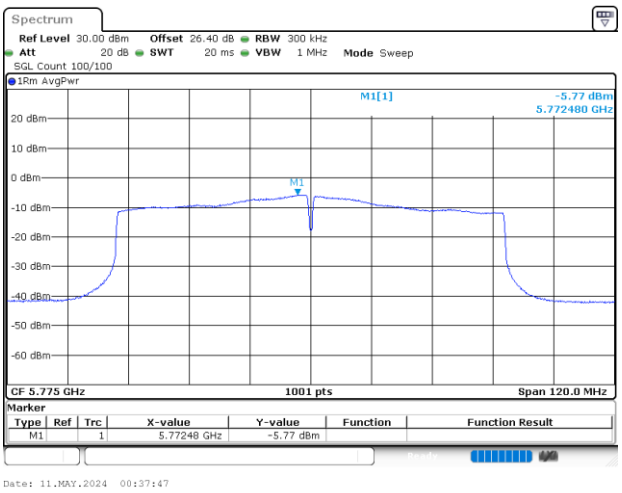
<802.11ac VHT20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO Ant. 1**
	

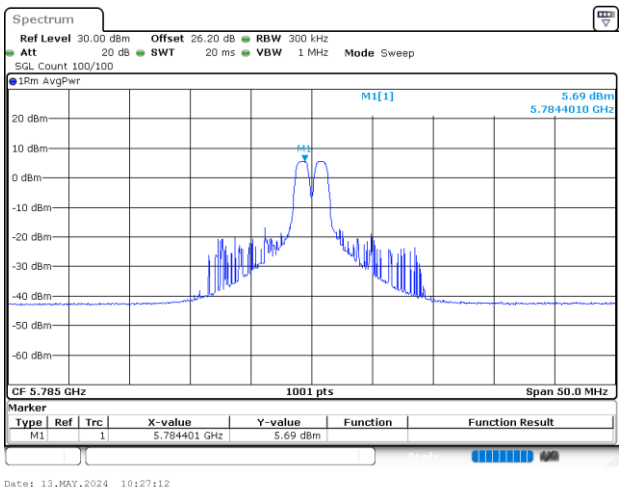
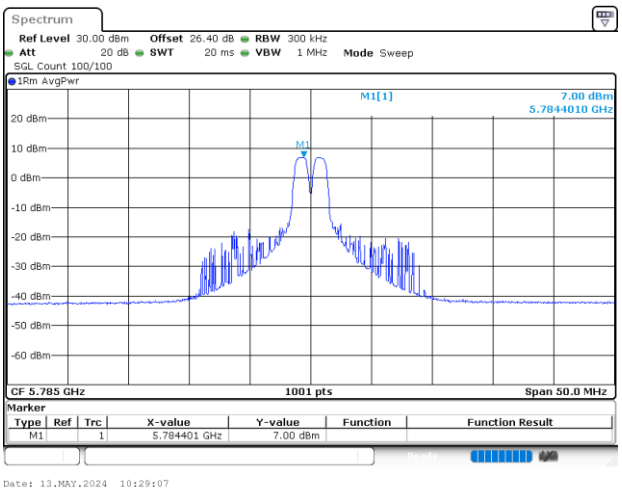
<802.11ac VHT40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO Ant. 1**
	

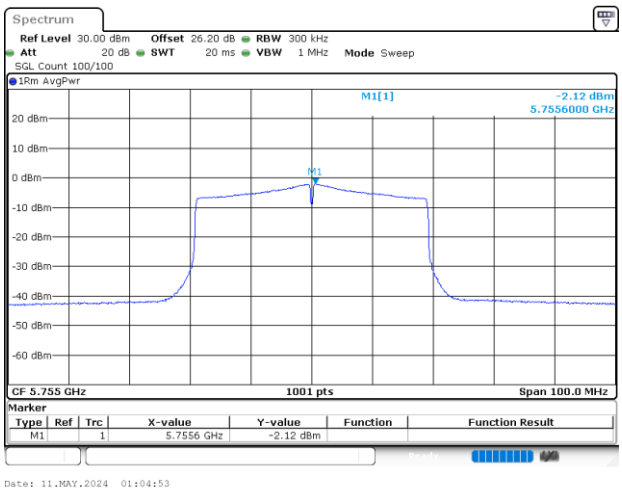
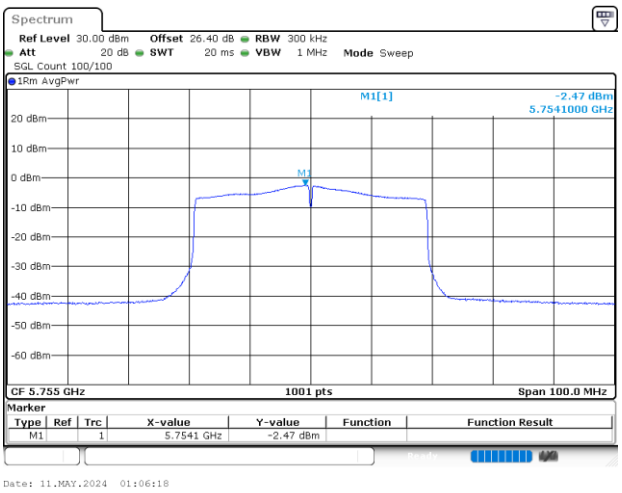
<802.11ac VHT80>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO Ant. 1**
	

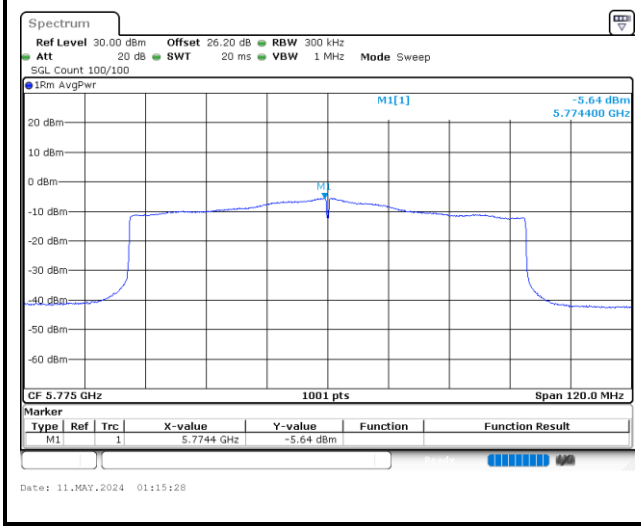
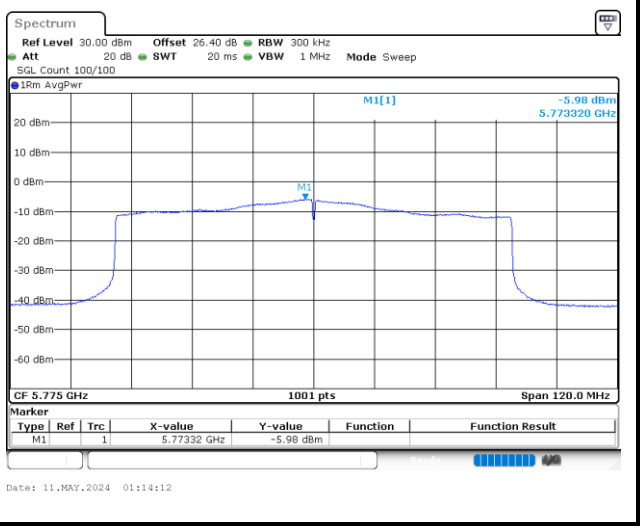
<802.11ax HE20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO Ant. 1**
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO Ant. 1**
	

<802.11ax HE80>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO Ant. 1**
	

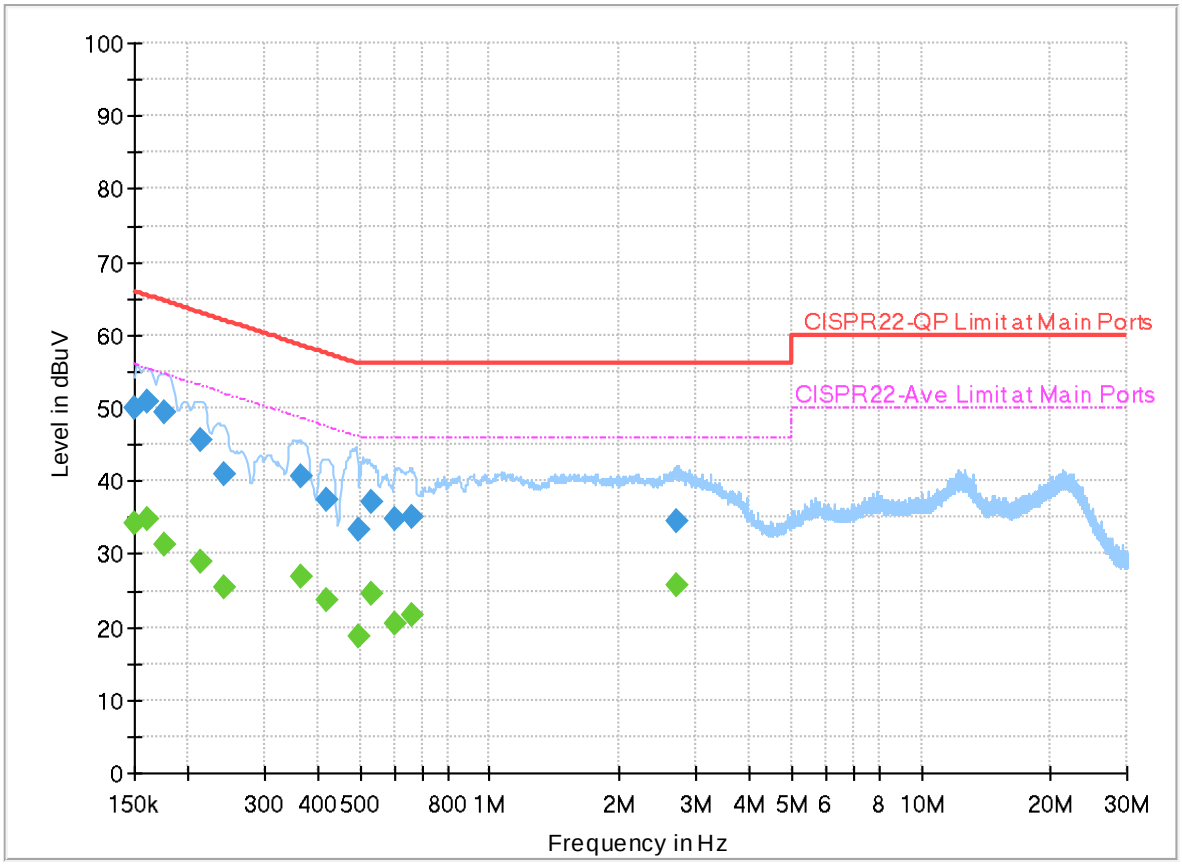
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.4~24.6℃
		Relative Humidity :	48.3~55.7%

EUT Information

Report NO :	413013-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



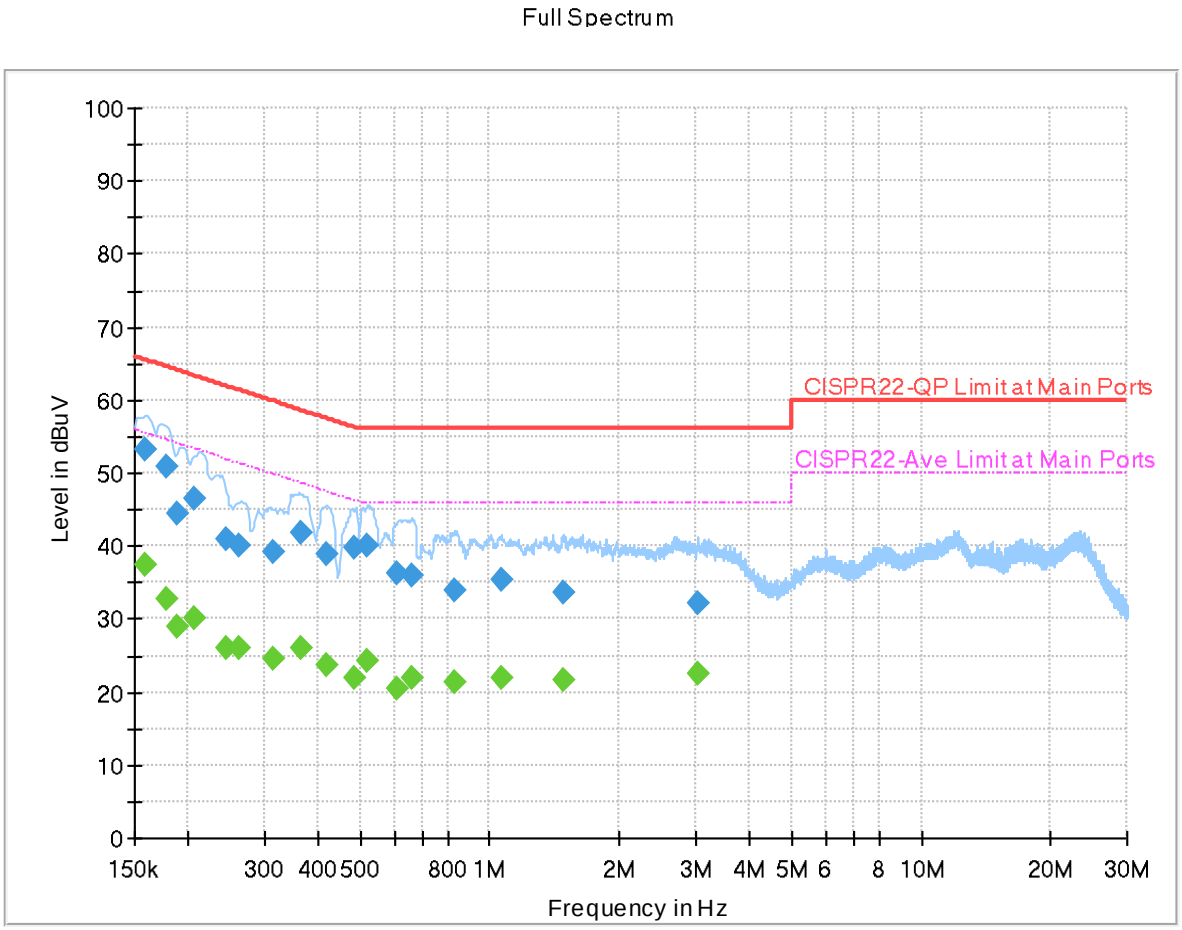
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	34.26	56.00	21.74	L1	OFF	19.9
0.150000	50.12	---	66.00	15.88	L1	OFF	19.9
0.160800	---	34.80	55.42	20.62	L1	OFF	19.9
0.160800	50.99	---	65.42	14.43	L1	OFF	19.9
0.176820	---	31.30	54.63	23.33	L1	OFF	19.9
0.176820	49.45	---	64.63	15.18	L1	OFF	19.9
0.214350	---	28.96	53.04	24.08	L1	OFF	19.9
0.214350	45.54	---	63.04	17.50	L1	OFF	19.9
0.241440	---	25.41	52.05	26.64	L1	OFF	19.9
0.241440	40.80	---	62.05	21.25	L1	OFF	19.9
0.363390	---	26.89	48.65	21.76	L1	OFF	19.9
0.363390	40.76	---	58.65	17.89	L1	OFF	19.9
0.417750	---	23.75	47.49	23.74	L1	OFF	19.9
0.417750	37.35	---	57.49	20.14	L1	OFF	19.9
0.494250	---	18.69	46.10	27.41	L1	OFF	19.9
0.494250	33.42	---	56.10	22.68	L1	OFF	19.9
0.531510	---	24.59	46.00	21.41	L1	OFF	19.9
0.531510	37.02	---	56.00	18.98	L1	OFF	19.9
0.604140	---	20.55	46.00	25.45	L1	OFF	19.9

0.604140	34.91	---	56.00	21.09	L1	OFF	19.9
0.661380	---	21.60	46.00	24.40	L1	OFF	19.9
0.661380	35.04	---	56.00	20.96	L1	OFF	19.9
2.715000	---	25.72	46.00	20.28	L1	OFF	20.0
2.715000	34.65	---	56.00	21.35	L1	OFF	20.0

EUT Information

Report NO :	413013-01
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)
0.158280	---	37.34	55.55	18.21	N	OFF	19.9
0.158280	53.19	---	65.55	12.36	N	OFF	19.9
0.177180	---	32.72	54.62	21.90	N	OFF	19.9
0.177180	51.02	---	64.62	13.60	N	OFF	19.9
0.188250	---	28.91	54.11	25.20	N	OFF	19.9
0.188250	44.53	---	64.11	19.58	N	OFF	19.9
0.206250	---	30.26	53.36	23.10	N	OFF	19.9
0.206250	46.36	---	63.36	17.00	N	OFF	19.9
0.244500	---	26.01	51.94	25.93	N	OFF	19.9
0.244500	41.00	---	61.94	20.94	N	OFF	19.9
0.261420	---	26.01	51.39	25.38	N	OFF	19.9
0.261420	40.16	---	61.39	21.23	N	OFF	19.9
0.313260	---	24.70	49.88	25.18	N	OFF	19.9
0.313260	39.30	---	59.88	20.58	N	OFF	19.9
0.365910	---	26.04	48.59	22.55	N	OFF	19.9
0.365910	41.94	---	58.59	16.65	N	OFF	19.9
0.417750	---	23.77	47.49	23.72	N	OFF	19.9
0.417750	38.86	---	57.49	18.63	N	OFF	19.9
0.485250	---	21.90	46.25	24.35	N	OFF	19.9

0.485250	39.84	---	56.25	16.41	N	OFF	19.9
0.518370	---	24.39	46.00	21.61	N	OFF	19.9
0.518370	39.97	---	56.00	16.03	N	OFF	19.9
0.609000	---	20.35	46.00	25.65	N	OFF	19.9
0.609000	36.40	---	56.00	19.60	N	OFF	19.9
0.661290	---	21.80	46.00	24.20	N	OFF	19.9
0.661290	36.11	---	56.00	19.89	N	OFF	19.9
0.831660	---	21.27	46.00	24.73	N	OFF	19.9
0.831660	34.00	---	56.00	22.00	N	OFF	19.9
1.061250	---	21.93	46.00	24.07	N	OFF	19.9
1.061250	35.41	---	56.00	20.59	N	OFF	19.9
1.479750	---	21.57	46.00	24.43	N	OFF	19.9
1.479750	33.50	---	56.00	22.50	N	OFF	19.9
3.036840	---	22.58	46.00	23.42	N	OFF	20.0
3.036840	32.27	---	56.00	23.73	N	OFF	20.0

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	22.5~25.8°C
		Relative Humidity :	53.3~68.5%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5602.2	48.63	-19.57	68.2	35.82	34.71	12.78	34.68	111	227	P	H
		5699.6	53.28	-51.63	104.91	39.89	35.2	12.92	34.73	111	227	P	H
		5719.2	60.86	-49.72	110.58	47.45	35.2	12.95	34.74	111	227	P	H
		5725	62.63	-59.57	122.2	49.22	35.2	12.96	34.75	111	227	P	H
	*	5745	110.86	-	-	97.43	35.2	12.99	34.76	111	227	P	H
	*	5745	103.95	-	-	90.52	35.2	12.99	34.76	111	227	A	H
													H
													H
		5604.6	49.57	-18.63	68.2	36.73	34.73	12.79	34.68	122	182	P	V
		5697.8	53.9	-49.68	103.58	40.52	35.19	12.92	34.73	122	182	P	V
		5717	63.74	-46.22	109.96	50.33	35.2	12.95	34.74	122	182	P	V
		5722.8	66.99	-50.19	117.18	53.57	35.2	12.96	34.74	122	182	P	V
	*	5745	114.45	-	-	101.02	35.2	12.99	34.76	122	182	P	V
	*	5745	107.49	-	-	94.06	35.2	12.99	34.76	122	182	A	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5636.8	49.06	-19.14	68.2	36.01	34.92	12.83	34.7	100	231	P	H
		5685.2	49.5	-44.78	94.28	36.18	35.14	12.9	34.72	100	231	P	H
		5712.2	49.62	-59	108.62	36.22	35.2	12.94	34.74	100	231	P	H
		5725	48.46	-73.74	122.2	35.05	35.2	12.96	34.75	100	231	P	H
	*	5785	110.7	-	-	97.23	35.2	13.05	34.78	100	231	P	H
	*	5785	104.33	-	-	90.86	35.2	13.05	34.78	100	231	A	H
		5853	50.51	-64.85	115.36	37.21	35.01	13.11	34.82	100	231	P	H
		5870.2	49.56	-56.98	106.54	36.22	35.04	13.13	34.83	100	231	P	H
		5883.6	50.81	-48	98.81	37.43	35.07	13.14	34.83	100	231	P	H
		5925.8	50.77	-17.43	68.2	37.41	35.05	13.17	34.86	100	231	P	H
													H
802.11a CH 157 5785MHz													H
		5646.6	49.09	-19.11	68.2	35.96	34.98	12.85	34.7	123	183	P	V
		5692	49.76	-49.54	99.3	36.41	35.17	12.91	34.73	123	183	P	V
		5713	49.36	-59.48	108.84	35.96	35.2	12.94	34.74	123	183	P	V
		5720	49.05	-61.75	110.8	35.64	35.2	12.95	34.74	123	183	P	V
	*	5785	114.54	-	-	101.07	35.2	13.05	34.78	123	183	P	V
	*	5785	107.52	-	-	94.05	35.2	13.05	34.78	123	183	A	V
		5852.6	48.48	-67.79	116.27	35.18	35.01	13.11	34.82	123	183	P	V
		5872.6	50.92	-54.95	105.87	37.57	35.05	13.13	34.83	123	183	P	V
		5888	49.75	-45.8	95.55	36.37	35.08	13.14	34.84	123	183	P	V
		5943.4	49.82	-18.38	68.2	36.5	35.01	13.18	34.87	123	183	P	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	110.2	-	-	96.81	35.1	13.09	34.8	100	230	P	H
	*	5825	104.04	-	-	90.65	35.1	13.09	34.8	100	230	A	H
		5850.6	52.08	-68.75	120.83	38.79	35	13.11	34.82	100	230	P	H
		5865.8	51.93	-55.84	107.77	38.6	35.03	13.12	34.82	100	230	P	H
		5889.6	50.39	-43.97	94.36	37.01	35.08	13.14	34.84	100	230	P	H
		5936.2	49.46	-18.74	68.2	36.11	35.03	13.18	34.86	100	230	P	H
													H
802.11a													H
CH 165	*	5825	114.41	-	-	101.02	35.1	13.09	34.8	100	192	P	V
5825MHz	*	5825	107.55	-	-	94.16	35.1	13.09	34.8	100	192	A	V
		5851.4	56.53	-62.48	119.01	43.24	35	13.11	34.82	100	192	P	V
		5856	55.13	-55.39	110.52	41.83	35.01	13.11	34.82	100	192	P	V
		5883.4	52.12	-46.84	98.96	38.74	35.07	13.14	34.83	100	192	P	V
		5931	49.75	-18.45	68.2	36.4	35.04	13.17	34.86	100	192	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	44.41	-29.59	74	43.75	38.18	19.48	57	-	-	P	H
		17235	50.7	-17.5	68.2	41.14	41.64	23.91	55.99	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	44.95	-29.05	74	44.29	38.18	19.48	57	-	-	P	V
		17235	49.77	-18.43	68.2	40.21	41.64	23.91	55.99	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	44.67	-29.33	74	43.75	38.24	19.53	56.85	-	-	P	H
		17355	51.57	-16.63	68.2	41.96	41.41	24	55.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 157 5785MHz													H
		11570	45.87	-28.13	74	44.95	38.24	19.53	56.85	-	-	P	V
		17355	50.84	-17.36	68.2	41.23	41.41	24	55.8	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11650	44.94	-29.06	74	43.56	38.5	19.59	56.71	-	-	P	H
		17475	49.07	-19.13	68.2	39.1	41.5	24.07	55.6	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 165 5825MHz													H
		11650	45.53	-28.47	74	44.15	38.5	19.59	56.71	-	-	P	V
		17475	49.15	-19.05	68.2	39.18	41.5	24.07	55.6	-	-	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5645	48.48	-19.72	68.2	35.36	34.97	12.85	34.7	110	227	P	H
		5672	49.93	-34.59	84.52	36.68	35.09	12.88	34.72	110	227	P	H
		5713.8	55.51	-53.56	109.07	42.1	35.2	12.95	34.74	110	227	P	H
		5724.4	61.55	-59.28	120.83	48.14	35.2	12.96	34.75	110	227	P	H
	*	5745	111.13	-	-	97.7	35.2	12.99	34.76	110	227	P	H
	*	5745	103.76	-	-	90.33	35.2	12.99	34.76	110	227	A	H
802.11ac													H
VHT20													H
CH 149		5620.4	50.45	-17.75	68.2	37.51	34.82	12.81	34.69	123	180	P	V
5745MHz		5695.6	52.92	-49.04	101.96	39.55	35.18	12.92	34.73	123	180	P	V
		5716	59.81	-49.87	109.68	46.4	35.2	12.95	34.74	123	180	P	V
		5724.6	64.37	-56.92	121.29	50.96	35.2	12.96	34.75	123	180	P	V
	*	5745	113.96	-	-	100.53	35.2	12.99	34.76	123	180	P	V
	*	5745	107.21	-	-	93.78	35.2	12.99	34.76	123	180	A	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5642.4	48.76	-19.44	68.2	35.67	34.95	12.84	34.7	100	226	P	H
		5674	49.53	-36.47	86	36.26	35.1	12.89	34.72	100	226	P	H
		5715.2	49.56	-59.9	109.46	36.15	35.2	12.95	34.74	100	226	P	H
		5720.8	48.99	-63.63	112.62	35.57	35.2	12.96	34.74	100	226	P	H
	*	5785	110.93	-	-	97.46	35.2	13.05	34.78	100	226	P	H
	*	5785	104.05	-	-	90.58	35.2	13.05	34.78	100	226	A	H
		5853	50.28	-65.08	115.36	36.98	35.01	13.11	34.82	100	226	P	H
		5858.4	50.25	-59.6	109.85	36.93	35.02	13.12	34.82	100	226	P	H
		5918.8	50.61	-22.16	72.77	37.23	35.06	13.17	34.85	100	226	P	H
		5938.2	50.25	-17.95	68.2	36.92	35.02	13.18	34.87	100	226	P	H
802.11ac													H
VHT20													H
CH 157		5600	48.49	-19.71	68.2	35.69	34.7	12.78	34.68	100	179	P	V
5785MHz		5671.2	49.61	-34.32	83.93	36.37	35.08	12.88	34.72	100	179	P	V
		5714.4	50.32	-58.91	109.23	36.91	35.2	12.95	34.74	100	179	P	V
		5725	49.3	-72.9	122.2	35.89	35.2	12.96	34.75	100	179	P	V
	*	5785	114.04	-	-	100.57	35.2	13.05	34.78	100	179	P	V
	*	5785	107.05	-	-	93.58	35.2	13.05	34.78	100	179	A	V
		5850.8	50.37	-70.01	120.38	37.08	35	13.11	34.82	100	179	P	V
		5859.2	50.99	-58.63	109.62	37.67	35.02	13.12	34.82	100	179	P	V
		5919	50.7	-21.92	72.62	37.32	35.06	13.17	34.85	100	179	P	V
		5945.6	49.53	-18.67	68.2	36.2	35.01	13.19	34.87	100	179	P	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	110.37	-	-	96.98	35.1	13.09	34.8	100	230	P	H
	*	5825	103.19	-	-	89.8	35.1	13.09	34.8	100	230	A	H
		5850.6	55.71	-65.12	120.83	42.42	35	13.11	34.82	100	230	P	H
		5864.6	52.78	-55.33	108.11	39.45	35.03	13.12	34.82	100	230	P	H
		5905.8	50.92	-31.45	82.37	37.53	35.09	13.15	34.85	100	230	P	H
		5937.4	50.12	-18.08	68.2	36.77	35.03	13.18	34.86	100	230	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	114.08	-	-	100.69	35.1	13.09	34.8	100	181	P	V
5825MHz	*	5825	106.92	-	-	93.53	35.1	13.09	34.8	100	181	A	V
		5854.2	55.47	-57.15	112.62	42.17	35.01	13.11	34.82	100	181	P	V
		5855.6	54.31	-56.32	110.63	41.01	35.01	13.11	34.82	100	181	P	V
		5885.8	51.76	-45.42	97.18	38.39	35.07	13.14	34.84	100	181	P	V
		5948.4	51.19	-17.01	68.2	37.87	35	13.19	34.87	100	181	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	44.77	-29.23	74	44.11	38.18	19.48	57	-	-	P	H
		17235	50.96	-17.24	68.2	41.4	41.64	23.91	55.99	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT20													H
CH 149		11490	43.77	-30.23	74	43.11	38.18	19.48	57	-	-	P	V
5745MHz		17235	50.34	-17.86	68.2	40.78	41.64	23.91	55.99	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	43.2	-30.8	74	42.28	38.24	19.53	56.85	-	-	P	H
		17355	49.67	-18.53	68.2	40.06	41.41	24	55.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT20													H
CH 157		11570	44.17	-29.83	74	43.25	38.24	19.53	56.85	-	-	P	V
5785MHz		17355	50.03	-18.17	68.2	40.42	41.41	24	55.8	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11650	44.5	-29.5	74	43.12	38.5	19.59	56.71	-	-	P	H
		17475	49.53	-18.67	68.2	39.56	41.5	24.07	55.6	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT20													H
CH 165		11650	45.63	-28.37	74	44.25	38.5	19.59	56.71	-	-	P	V
5825MHz		17475	48.86	-19.34	68.2	38.89	41.5	24.07	55.6	-	-	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 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5639	50.42	-17.78	68.2	37.35	34.93	12.84	34.7	102	230	P	H
		5693.4	58.86	-41.47	100.33	45.5	35.17	12.92	34.73	102	230	P	H
		5705.6	63.48	-43.29	106.77	50.09	35.2	12.93	34.74	102	230	P	H
		5723.2	62.93	-55.17	118.1	49.51	35.2	12.96	34.74	102	230	P	H
	*	5755	107.86	-	-	94.42	35.2	13	34.76	102	230	P	H
	*	5755	101.74	-	-	88.3	35.2	13	34.76	102	230	A	H
		5853.8	52.56	-60.98	113.54	39.26	35.01	13.11	34.82	102	230	P	H
		5863	52.97	-55.59	108.56	39.64	35.03	13.12	34.82	102	230	P	H
		5908.6	51.07	-29.23	80.3	37.68	35.08	13.16	34.85	102	230	P	H
		5931.8	49.89	-18.31	68.2	36.53	35.04	13.18	34.86	102	230	P	H
802.11ac													H
VHT40													H
CH 151		5646.6	52.86	-15.34	68.2	39.73	34.98	12.85	34.7	102	194	P	V
5755MHz		5690.8	62.07	-36.35	98.42	48.73	35.16	12.91	34.73	102	194	P	V
		5719.4	66.42	-44.21	110.63	53.01	35.2	12.95	34.74	102	194	P	V
		5720.8	67.29	-45.33	112.62	53.87	35.2	12.96	34.74	102	194	P	V
	*	5755	112.5	-	-	99.06	35.2	13	34.76	102	194	P	V
	*	5755	105.6	-	-	92.16	35.2	13	34.76	102	194	A	V
		5850.2	55.16	-66.58	121.74	41.87	35	13.11	34.82	102	194	P	V
		5859.4	54.73	-54.84	109.57	41.41	35.02	13.12	34.82	102	194	P	V
		5890.2	53.37	-40.55	93.92	39.99	35.08	13.14	34.84	102	194	P	V
		5937	50.31	-17.89	68.2	36.96	35.03	13.18	34.86	102	194	P	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5642.2	50.31	-17.89	68.2	37.22	34.95	12.84	34.7	100	224	P	H
		5681	51.84	-39.34	91.18	38.54	35.12	12.9	34.72	100	224	P	H
		5714.2	54.9	-54.28	109.18	41.49	35.2	12.95	34.74	100	224	P	H
		5724	56.73	-63.19	119.92	43.32	35.2	12.96	34.75	100	224	P	H
	*	5795	111.41	-	-	97.94	35.2	13.06	34.79	100	224	P	H
	*	5795	103.16	-	-	89.69	35.2	13.06	34.79	100	224	A	H
		5854.4	56.57	-55.6	112.17	43.27	35.01	13.11	34.82	100	224	P	H
		5855.2	55.24	-55.5	110.74	41.94	35.01	13.11	34.82	100	224	P	H
		5894.2	54.64	-36.31	90.95	41.24	35.09	13.15	34.84	100	224	P	H
		5933.6	52.15	-16.05	68.2	38.8	35.03	13.18	34.86	100	224	P	H
802.11ac													H
VHT40													H
CH 159		5650	51.08	-17.12	68.2	37.93	35	12.85	34.7	100	194	P	V
5795MHz		5696.8	56.2	-46.64	102.84	42.82	35.19	12.92	34.73	100	194	P	V
		5719.4	60.25	-50.38	110.63	46.84	35.2	12.95	34.74	100	194	P	V
		5720	56.58	-54.22	110.8	43.17	35.2	12.95	34.74	100	194	P	V
	*	5795	114.29	-	-	100.82	35.2	13.06	34.79	100	194	P	V
	*	5795	106.29	-	-	92.82	35.2	13.06	34.79	100	194	A	V
		5850.4	56.18	-65.11	121.29	42.89	35	13.11	34.82	100	194	P	V
		5868	56.63	-50.53	107.16	43.3	35.04	13.12	34.83	100	194	P	V
		5885.8	56.28	-40.9	97.18	42.91	35.07	13.14	34.84	100	194	P	V
		5925.6	52.96	-15.24	68.2	39.6	35.05	13.17	34.86	100	194	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	44.53	-29.47	74	43.79	38.2	19.49	56.95	-	-	P	H
		17265	49.21	-18.99	68.2	39.55	41.67	23.94	55.95	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 151		11510	44.02	-29.98	74	43.28	38.2	19.49	56.95	-	-	P	V
5755MHz		17265	49.98	-18.22	68.2	40.32	41.67	23.94	55.95	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11590	44.57	-29.43	74	43.55	38.28	19.55	56.81	-	-	P	H
		17385	50.18	-18.02	68.2	40.44	41.47	24.02	55.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 159		11590	43.99	-30.01	74	42.97	38.28	19.55	56.81	-	-	P	V
5795MHz		17385	48.2	-20	68.2	38.46	41.47	24.02	55.75	-	-	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5649.6	53.57	-14.63	68.2	40.42	35	12.85	34.7	100	226	P	H
		5695.4	64.76	-37.05	101.81	51.39	35.18	12.92	34.73	100	226	P	H
		5711.8	69.25	-39.26	108.51	55.85	35.2	12.94	34.74	100	226	P	H
		5724.8	67.08	-54.66	121.74	53.67	35.2	12.96	34.75	100	226	P	H
	*	5775	107.53	-	-	94.07	35.2	13.03	34.77	100	226	P	H
	*	5775	100.41	-	-	86.95	35.2	13.03	34.77	100	226	A	H
		5854.8	60.57	-50.69	111.26	47.27	35.01	13.11	34.82	100	226	P	H
		5864	62.07	-46.21	108.28	48.74	35.03	13.12	34.82	100	226	P	H
		5875.4	61.04	-43.86	104.9	47.69	35.05	13.13	34.83	100	226	P	H
		5932	53.89	-14.31	68.2	40.53	35.04	13.18	34.86	100	226	P	H
802.11ac													H
VHT80													H
CH 155		5648.4	58.66	-9.54	68.2	45.52	34.99	12.85	34.7	100	193	P	V
5775MHz		5699	71.78	-32.68	104.46	58.39	35.2	12.92	34.73	100	193	P	V
		5709.6	71.64	-36.25	107.89	58.24	35.2	12.94	34.74	100	193	P	V
		5720	69.35	-41.45	110.8	55.94	35.2	12.95	34.74	100	193	P	V
	*	5775	112.15	-	-	98.69	35.2	13.03	34.77	100	193	P	V
	*	5775	103.86	-	-	90.4	35.2	13.03	34.77	100	193	A	V
		5850.2	66.76	-54.98	121.74	53.47	35	13.11	34.82	100	193	P	V
		5857.8	65.67	-44.34	110.01	52.35	35.02	13.12	34.82	100	193	P	V
		5877.8	62.33	-40.79	103.12	48.97	35.06	13.13	34.83	100	193	P	V
		5938	55.37	-12.83	68.2	42.04	35.02	13.18	34.87	100	193	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	44.3	-29.7	74	43.46	38.2	19.52	56.88	-	-	P	H
		17325	51.47	-16.73	68.2	41.84	41.5	23.98	55.85	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 155		11550	43.36	-30.64	74	42.52	38.2	19.52	56.88	-	-	P	V
5775MHz		17325	49.49	-18.71	68.2	39.86	41.5	23.98	55.85	-	-	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_Full (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5641.2	49.34	-18.86	68.2	36.25	34.95	12.84	34.7	100	226	P	H
		5696.4	52.64	-49.91	102.55	39.26	35.19	12.92	34.73	100	226	P	H
		5715.4	63.62	-45.89	109.51	50.21	35.2	12.95	34.74	100	226	P	H
		5724	68.52	-51.4	119.92	55.11	35.2	12.96	34.75	100	226	P	H
	*	5745	112.38	-	-	98.95	35.2	12.99	34.76	100	226	P	H
	*	5745	104.77	-	-	91.34	35.2	12.99	34.76	100	226	A	H
802.11ax													H
HE20 Full													H
CH 149		5646.4	50.1	-18.1	68.2	36.97	34.98	12.85	34.7	100	195	P	V
5745MHz		5699.6	56.08	-48.83	104.91	42.69	35.2	12.92	34.73	100	195	P	V
		5716.2	68.19	-41.55	109.74	54.78	35.2	12.95	34.74	100	195	P	V
		5724.8	68.13	-53.61	121.74	54.72	35.2	12.96	34.75	100	195	P	V
	*	5745	115.3	-	-	101.87	35.2	12.99	34.76	100	195	P	V
	*	5745	107.49	-	-	94.06	35.2	12.99	34.76	100	195	A	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5644.4	49.45	-18.75	68.2	36.34	34.97	12.84	34.7	100	224	P	H
		5692.2	50.1	-49.35	99.45	36.75	35.17	12.91	34.73	100	224	P	H
		5710	50.51	-57.49	108	37.11	35.2	12.94	34.74	100	224	P	H
		5724.2	50.61	-69.77	120.38	37.2	35.2	12.96	34.75	100	224	P	H
	*	5785	111.69	-	-	98.22	35.2	13.05	34.78	100	224	P	H
	*	5785	105.11	-	-	91.64	35.2	13.05	34.78	100	224	A	H
		5852.4	51.13	-65.6	116.73	37.84	35	13.11	34.82	100	224	P	H
		5859	50.13	-59.55	109.68	36.81	35.02	13.12	34.82	100	224	P	H
		5912	51.87	-25.92	77.79	38.48	35.08	13.16	34.85	100	224	P	H
		5937.2	51.16	-17.04	68.2	37.81	35.03	13.18	34.86	100	224	P	H
802.11ax													H
HE20 Full													H
CH 157		5646	49.7	-18.5	68.2	36.57	34.98	12.85	34.7	114	195	P	V
5785MHz		5696	50.86	-51.39	102.25	37.49	35.18	12.92	34.73	114	195	P	V
		5713.4	51.51	-57.44	108.95	38.11	35.2	12.94	34.74	114	195	P	V
		5725	51.91	-70.29	122.2	38.5	35.2	12.96	34.75	114	195	P	V
	*	5785	117.93	-	-	104.46	35.2	13.05	34.78	114	195	P	V
	*	5785	108.09	-	-	94.62	35.2	13.05	34.78	114	195	A	V
		5854	52.97	-60.11	113.08	39.67	35.01	13.11	34.82	114	195	P	V
		5874.2	52.64	-52.78	105.42	39.29	35.05	13.13	34.83	114	195	P	V
		5892	51.66	-40.92	92.58	38.28	35.08	13.14	34.84	114	195	P	V
		5925	50.57	-17.63	68.2	37.21	35.05	13.17	34.86	114	195	P	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	112.25	-	-	98.86	35.1	13.09	34.8	103	224	P	H
	*	5825	104.28	-	-	90.89	35.1	13.09	34.8	103	224	A	H
		5852.2	57.12	-60.06	117.18	43.83	35	13.11	34.82	103	224	P	H
		5856.8	56.2	-54.1	110.3	42.89	35.01	13.12	34.82	103	224	P	H
		5878	52.15	-50.82	102.97	38.79	35.06	13.13	34.83	103	224	P	H
		5944.2	51.14	-17.06	68.2	37.81	35.01	13.19	34.87	103	224	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	116.26	-	-	102.87	35.1	13.09	34.8	100	193	P	V
5825MHz	*	5825	107.42	-	-	94.03	35.1	13.09	34.8	100	193	A	V
		5850.4	62.23	-59.06	121.29	48.94	35	13.11	34.82	100	193	P	V
		5859.8	56.91	-52.54	109.45	43.59	35.02	13.12	34.82	100	193	P	V
		5884.6	52.96	-45.11	98.07	39.59	35.07	13.14	34.84	100	193	P	V
		5933	51.65	-16.55	68.2	38.3	35.03	13.18	34.86	100	193	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	43.83	-30.17	74	43.17	38.18	19.48	57	-	-	P	H
		17235	48.76	-19.44	68.2	39.2	41.64	23.91	55.99	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		11490	43.86	-30.14	74	43.2	38.18	19.48	57	-	-	P	V
5745MHz		17235	49.32	-18.88	68.2	39.76	41.64	23.91	55.99	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	43.73	-30.27	74	42.81	38.24	19.53	56.85	-	-	P	H
		17355	49.03	-19.17	68.2	39.42	41.41	24	55.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	43.69	-30.31	74	42.77	38.24	19.53	56.85	-	-	P	V
5785MHz		17355	49.53	-18.67	68.2	39.92	41.41	24	55.8	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11650	44.3	-29.7	74	42.92	38.5	19.59	56.71	-	-	P	H
		17475	47.75	-20.45	68.2	37.78	41.5	24.07	55.6	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 165		11650	44.19	-29.81	74	42.81	38.5	19.59	56.71	-	-	P	V
5825MHz		17475	48.49	-19.71	68.2	38.52	41.5	24.07	55.6	-	-	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5643.6	50.05	-18.15	68.2	36.95	34.96	12.84	34.7	100	220	P	H
		5695.2	52.15	-49.51	101.66	38.78	35.18	12.92	34.73	100	220	P	H
		5701.2	53.26	-52.28	105.54	39.86	35.2	12.93	34.73	100	220	P	H
		5723.6	57.17	-61.84	119.01	43.76	35.2	12.96	34.75	100	220	P	H
	*	5745	112.99	-	-	99.56	35.2	12.99	34.76	100	220	P	H
	*	5745	107.44	-	-	94.01	35.2	12.99	34.76	100	220	A	H
													H
													H
		5646.2	51.91	-16.29	68.2	38.78	34.98	12.85	34.7	100	192	P	V
		5697.6	54.38	-49.05	103.43	41	35.19	12.92	34.73	100	192	P	V
		5717.2	68.91	-41.11	110.02	55.5	35.2	12.95	34.74	100	192	P	V
		5722	60.81	-54.55	115.36	47.39	35.2	12.96	34.74	100	192	P	V
	*	5745	119.07	-	-	105.64	35.2	12.99	34.76	100	192	P	V
	*	5745	112.75	-	-	99.32	35.2	12.99	34.76	100	192	A	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/8 CH 165 5825MHz	*	5825	115.09	-	-	101.7	35.1	13.09	34.8	100	224	P	H
	*	5825	108.54	-	-	95.15	35.1	13.09	34.8	100	224	A	H
		5852.8	53.11	-62.71	115.82	39.81	35.01	13.11	34.82	100	224	P	H
		5856.6	53.22	-57.13	110.35	39.91	35.01	13.12	34.82	100	224	P	H
		5880.4	52.25	-48.94	101.19	38.89	35.06	13.13	34.83	100	224	P	H
		5932.6	51.5	-16.7	68.2	38.15	35.03	13.18	34.86	100	224	P	H
													H
													H
	*	5825	118.66	-	-	105.27	35.1	13.09	34.8	306	183	P	V
	*	5825	111.95	-	-	98.56	35.1	13.09	34.8	306	183	A	V
		5850	58.91	-63.29	122.2	45.62	35	13.11	34.82	306	183	P	V
		5857.4	55.46	-54.67	110.13	42.15	35.01	13.12	34.82	306	183	P	V
		5875.6	54.43	-50.32	104.75	41.08	35.05	13.13	34.83	306	183	P	V
		5935.2	52.42	-15.78	68.2	39.07	35.03	13.18	34.86	306	183	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	45.45	-28.55	74	44.79	38.18	19.48	57	-	-	P	H
		17235	49.21	-18.99	68.2	39.65	41.64	23.91	55.99	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax HE20 Partial 26/0 CH 149 5745MHz													H
													H
		11490	43.95	-30.05	74	43.29	38.18	19.48	57	-	-	P	V
		17235	48.54	-19.66	68.2	38.98	41.64	23.91	55.99	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	45.6	-28.4	74	44.68	38.24	19.53	56.85	-	-	P	H
		17355	51.9	-16.3	68.2	42.29	41.41	24	55.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax HE20 Partial 26/4 CH 157 5785MHz													H
		11570	45.98	-28.02	74	45.06	38.24	19.53	56.85	-	-	P	V
		17355	52.34	-15.86	68.2	42.73	41.41	24	55.8	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/8 CH 165 5825MHz		11650	44.29	-29.71	74	42.91	38.5	19.59	56.71	-	-	P	H
		17475	47.89	-20.31	68.2	37.92	41.5	24.07	55.6	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11650	44.78	-29.22	74	43.4	38.5	19.59	56.71	-	-	P	V
		17475	48.4	-19.8	68.2	38.43	41.5	24.07	55.6	-	-	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5649	51.39	-16.81	68.2	38.25	34.99	12.85	34.7	100	220	P	H
		5699.6	53.79	-51.12	104.91	40.4	35.2	12.92	34.73	100	220	P	H
		5719.6	60.14	-50.55	110.69	46.73	35.2	12.95	34.74	100	220	P	H
		5724.4	67.2	-53.63	120.83	53.79	35.2	12.96	34.75	100	220	P	H
	*	5745	111.73	-	-	98.3	35.2	12.99	34.76	100	220	P	H
802.11ax	*	5745	104.44	-	-	91.01	35.2	12.99	34.76	100	220	A	H
HE20													H
Partial													H
52/37		5646.6	52.1	-16.1	68.2	38.97	34.98	12.85	34.7	100	193	P	V
CH 149		5684.8	55.32	-38.67	93.99	42	35.14	12.9	34.72	100	193	P	V
5745MHz		5716.2	65.97	-43.77	109.74	52.56	35.2	12.95	34.74	100	193	P	V
		5725	61.76	-60.44	122.2	48.35	35.2	12.96	34.75	100	193	P	V
	*	5745	118.51	-	-	105.08	35.2	12.99	34.76	100	193	P	V
	*	5745	110.84	-	-	97.41	35.2	12.99	34.76	100	193	A	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	111.7	-	-	98.31	35.1	13.09	34.8	100	226	P	H
	*	5825	105.63	-	-	92.24	35.1	13.09	34.8	100	226	A	H
		5853.2	53.44	-61.46	114.9	40.14	35.01	13.11	34.82	100	226	P	H
		5871.8	53.13	-52.96	106.09	39.79	35.04	13.13	34.83	100	226	P	H
		5881	52.6	-48.14	100.74	39.24	35.06	13.13	34.83	100	226	P	H
802.11ax		5927.6	51.13	-17.07	68.2	37.78	35.04	13.17	34.86	100	226	P	H
HE20													H
Partial													H
52/40	*	5825	117.01	-	-	103.62	35.1	13.09	34.8	100	187	P	V
CH 165	*	5825	109.07	-	-	95.68	35.1	13.09	34.8	100	187	A	V
5825MHz		5854.4	53.6	-58.57	112.17	40.3	35.01	13.11	34.82	100	187	P	V
		5858	57.74	-52.22	109.96	44.42	35.02	13.12	34.82	100	187	P	V
		5882.6	53.48	-46.08	99.56	40.1	35.07	13.14	34.83	100	187	P	V
		5940.6	51.5	-16.7	68.2	38.17	35.02	13.18	34.87	100	187	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5644.2	49.88	-18.32	68.2	36.77	34.97	12.84	34.7	100	226	P	H
		5694	50.7	-50.08	100.78	37.33	35.18	12.92	34.73	100	226	P	H
		5715	51.62	-57.78	109.4	38.21	35.2	12.95	34.74	100	226	P	H
		5724.4	59.94	-60.89	120.83	46.53	35.2	12.96	34.75	100	226	P	H
	*	5745	113.69	-	-	100.26	35.2	12.99	34.76	100	226	P	H
802.11ax	*	5745	106.41	-	-	92.98	35.2	12.99	34.76	100	226	A	H
HE20													H
Partial													H
106/53		5624	51.39	-16.81	68.2	38.43	34.84	12.81	34.69	270	184	P	V
CH 149		5652.4	50.12	-19.86	69.98	36.96	35.01	12.86	34.71	270	184	P	V
5745MHz		5719.4	51.81	-58.82	110.63	38.4	35.2	12.95	34.74	270	184	P	V
		5723.2	55.04	-63.06	118.1	41.62	35.2	12.96	34.74	270	184	P	V
	*	5745	118.63	-	-	105.2	35.2	12.99	34.76	270	184	P	V
	*	5745	110.28	-	-	96.85	35.2	12.99	34.76	270	184	A	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	110.51	-	-	97.12	35.1	13.09	34.8	100	218	P	H
	*	5825	103.07	-	-	89.68	35.1	13.09	34.8	100	218	A	H
		5850.2	51.77	-69.97	121.74	38.48	35	13.11	34.82	100	218	P	H
		5872.8	50.58	-55.24	105.82	37.23	35.05	13.13	34.83	100	218	P	H
		5893.8	51.57	-39.68	91.25	38.17	35.09	13.15	34.84	100	218	P	H
802.11ax		5926.6	51.61	-16.59	68.2	38.25	35.05	13.17	34.86	100	218	P	H
HE20													H
Partial													H
106/54	*	5825	117.35	-	-	103.96	35.1	13.09	34.8	100	192	P	V
CH 165	*	5825	109.33	-	-	95.94	35.1	13.09	34.8	100	192	A	V
5825MHz		5851.2	53.44	-66.02	119.46	40.15	35	13.11	34.82	100	192	P	V
		5859.2	53.69	-55.93	109.62	40.37	35.02	13.12	34.82	100	192	P	V
		5875	52.3	-52.9	105.2	38.95	35.05	13.13	34.83	100	192	P	V
		5930.2	51.38	-16.82	68.2	38.03	35.04	13.17	34.86	100	192	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5636.6	52.06	-16.14	68.2	39.01	34.92	12.83	34.7	100	226	P	H
		5694.2	57.79	-43.13	100.92	44.42	35.18	12.92	34.73	100	226	P	H
		5713.8	64.64	-44.43	109.07	51.23	35.2	12.95	34.74	100	226	P	H
		5723.8	68.36	-51.1	119.46	54.95	35.2	12.96	34.75	100	226	P	H
	*	5755	110.51	-	-	97.07	35.2	13	34.76	100	226	P	H
	*	5755	102.64	-	-	89.2	35.2	13	34.76	100	226	A	H
		5853	52.55	-62.81	115.36	39.25	35.01	13.11	34.82	100	226	P	H
		5863.6	53.7	-54.69	108.39	40.37	35.03	13.12	34.82	100	226	P	H
		5890	51.78	-42.29	94.07	38.4	35.08	13.14	34.84	100	226	P	H
		5934	50.5	-17.7	68.2	37.15	35.03	13.18	34.86	100	226	P	H
802.11ax													H
HE40 Full													H
CH 151		5647.8	51.72	-16.48	68.2	38.58	34.99	12.85	34.7	100	193	P	V
5755MHz		5700	60.08	-45.12	105.2	46.69	35.2	12.92	34.73	100	193	P	V
		5718	68.96	-41.28	110.24	55.55	35.2	12.95	34.74	100	193	P	V
		5720.2	67.53	-43.73	111.26	54.12	35.2	12.95	34.74	100	193	P	V
	*	5755	114.14	-	-	100.7	35.2	13	34.76	100	193	P	V
	*	5755	105.95	-	-	92.51	35.2	13	34.76	100	193	A	V
		5850	51.73	-70.47	122.2	38.44	35	13.11	34.82	100	193	P	V
		5856.8	53.5	-56.8	110.3	40.19	35.01	13.12	34.82	100	193	P	V
		5875.6	52.24	-52.51	104.75	38.89	35.05	13.13	34.83	100	193	P	V
		5929.6	50.18	-18.02	68.2	36.83	35.04	13.17	34.86	100	193	P	V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647.8	49.2	-19	68.2	36.06	34.99	12.85	34.7	100	224	P	H
		5697.4	51.99	-51.29	103.28	38.61	35.19	12.92	34.73	100	224	P	H
		5714	52.38	-56.74	109.12	38.97	35.2	12.95	34.74	100	224	P	H
		5724.6	56.74	-64.55	121.29	43.33	35.2	12.96	34.75	100	224	P	H
	*	5795	110.86	-	-	97.39	35.2	13.06	34.79	100	224	P	H
	*	5795	102.74	-	-	89.27	35.2	13.06	34.79	100	224	A	H
		5855	54.21	-56.59	110.8	40.91	35.01	13.11	34.82	100	224	P	H
		5860.8	53.39	-55.78	109.17	40.07	35.02	13.12	34.82	100	224	P	H
		5911	51.8	-26.73	78.53	38.41	35.08	13.16	34.85	100	224	P	H
		5938	50.52	-17.68	68.2	37.19	35.02	13.18	34.87	100	224	P	H
802.11ax													H
HE40 Full													H
CH 159		5634.6	50.56	-17.64	68.2	37.52	34.91	12.83	34.7	100	194	P	V
5795MHz		5690.2	53.58	-44.39	97.97	40.24	35.16	12.91	34.73	100	194	P	V
		5718.2	57.68	-52.62	110.3	44.27	35.2	12.95	34.74	100	194	P	V
		5725	54.67	-67.53	122.2	41.26	35.2	12.96	34.75	100	194	P	V
	*	5795	113.77	-	-	100.3	35.2	13.06	34.79	100	194	P	V
	*	5795	105.64	-	-	92.17	35.2	13.06	34.79	100	194	A	V
		5850	56.2	-66	122.2	42.91	35	13.11	34.82	100	194	P	V
		5857.6	56.14	-53.93	110.07	42.82	35.02	13.12	34.82	100	194	P	V
		5890.6	54.41	-39.21	93.62	41.03	35.08	13.14	34.84	100	194	P	V
		5927.8	51.63	-16.57	68.2	38.28	35.04	13.17	34.86	100	194	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	43.15	-30.85	74	42.41	38.2	19.49	56.95	-	-	P	H
		17265	48.42	-19.78	68.2	38.76	41.67	23.94	55.95	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	44.03	-29.97	74	43.29	38.2	19.49	56.95	-	-	P	V
5755MHz		17265	47.61	-20.59	68.2	37.95	41.67	23.94	55.95	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11590	43.19	-30.81	74	42.17	38.28	19.55	56.81	-	-	P	H
		17385	48.72	-19.48	68.2	38.98	41.47	24.02	55.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	43	-31	74	41.98	38.28	19.55	56.81	-	-	P	V
5795MHz		17385	48.77	-19.43	68.2	39.03	41.47	24.02	55.75	-	-	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 HE80_Full (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5636.6	52.52	-15.68	68.2	39.47	34.92	12.83	34.7	100	226	P	H
		5693.6	61.85	-38.63	100.48	48.49	35.17	12.92	34.73	100	226	P	H
		5715.2	63.66	-45.8	109.46	50.25	35.2	12.95	34.74	100	226	P	H
		5724.2	64.98	-55.4	120.38	51.57	35.2	12.96	34.75	100	226	P	H
	*	5775	106.91	-	-	93.45	35.2	13.03	34.77	100	226	P	H
	*	5775	99.33	-	-	85.87	35.2	13.03	34.77	100	226	A	H
		5854.2	57.38	-55.24	112.62	44.08	35.01	13.11	34.82	100	226	P	H
		5864	57.57	-50.71	108.28	44.24	35.03	13.12	34.82	100	226	P	H
		5875.4	57.27	-47.63	104.9	43.92	35.05	13.13	34.83	100	226	P	H
		5926.6	52.43	-15.77	68.2	39.07	35.05	13.17	34.86	100	226	P	H
802.11ax													H
HE80 Full													H
CH 155		5648.6	56.05	-12.15	68.2	42.91	34.99	12.85	34.7	100	193	P	V
5775MHz		5697.6	69.56	-33.87	103.43	56.18	35.19	12.92	34.73	100	193	P	V
		5717.8	70.48	-39.7	110.18	57.07	35.2	12.95	34.74	100	193	P	V
		5720.2	66.39	-44.87	111.26	52.98	35.2	12.95	34.74	100	193	P	V
	*	5775	110.81	-	-	97.35	35.2	13.03	34.77	100	193	P	V
	*	5775	102.84	-	-	89.38	35.2	13.03	34.77	100	193	A	V
		5851	63.35	-56.57	119.92	50.06	35	13.11	34.82	100	193	P	V
		5858.8	63.51	-46.22	109.73	50.19	35.02	13.12	34.82	100	193	P	V
		5880	60.31	-41.18	101.49	46.95	35.06	13.13	34.83	100	193	P	V
		5927.4	55.76	-12.44	68.2	42.4	35.05	13.17	34.86	100	193	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 Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	45.14	-28.86	74	44.3	38.2	19.52	56.88	-	-	P	H
		17325	48.63	-19.57	68.2	39	41.5	23.98	55.85	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	43.43	-30.57	74	42.59	38.2	19.52	56.88	-	-	P	V
5775MHz		17325	48.74	-19.46	68.2	39.11	41.5	23.98	55.85	-	-	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 802.11ac VHT80 (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		40000	45.56	-28.44	74	45.04	43.8	14.92	58.2	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		39978	45.8	-28.2	74	45.37	43.76	14.91	58.24	-	-	P	V
SHF													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 802.11ac VHT80 (LF @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		30.54	28.19	-11.81	40	32.92	24.13	1.08	29.94	-	-	P	H
		160.68	28.93	-14.57	43.5	40.1	16.3	2.37	29.84	-	-	P	H
		216.03	32.41	-13.59	46	44.6	14.93	2.71	29.83	-	-	P	H
		743.1	29.49	-16.51	46	26.98	27.17	4.84	29.5	-	-	P	H
		852.3	31.45	-14.55	46	26.8	28.57	5.23	29.15	-	-	P	H
		954.5	32.97	-13.03	46	26.78	29.42	5.41	28.64	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		30.27	32.91	-7.09	40	37.57	24.21	1.07	29.94	-	-	P	V
LF		41.61	33.05	-6.95	40	42.83	18.89	1.25	29.92	-	-	P	V
		51.06	28.16	-11.84	40	42.68	14.02	1.38	29.92	-	-	P	V
		783.7	29.86	-16.14	46	26.96	27.29	4.96	29.35	-	-	P	V
		848.8	31.34	-14.66	46	27.07	28.22	5.22	29.17	-	-	P	V
		944	33.08	-12.92	46	27.21	29.19	5.38	28.7	-	-	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.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(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	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		5650	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =

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

3. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5650MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 5650MHz:

1. Level(dBμV/m)

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

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

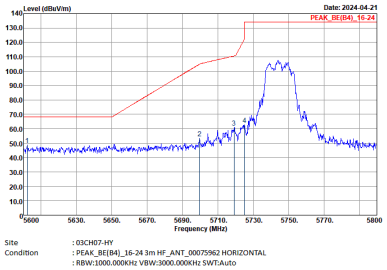
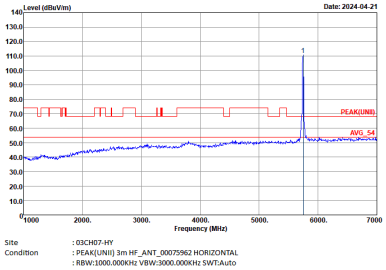
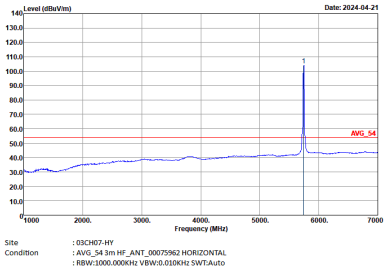
Both peak and average measured complies with the limit line, so test result is “PASS”.

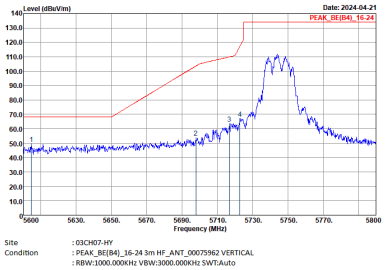
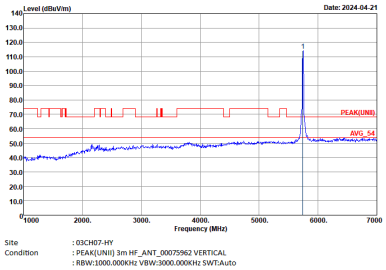
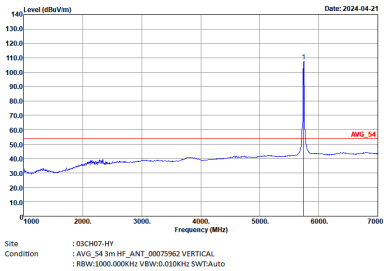
Appendix D. Radiated Spurious Emission Plots

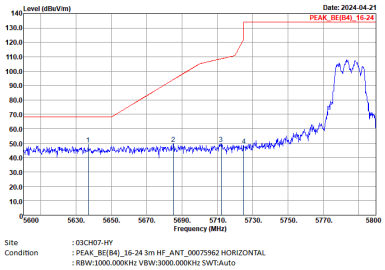
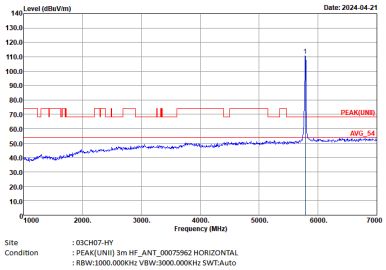
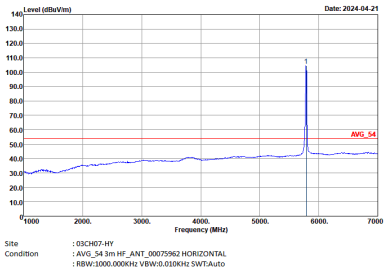
Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	**Temperature :**	22.5~25.8°C
		Relative Humidity :	53.3~68.5%

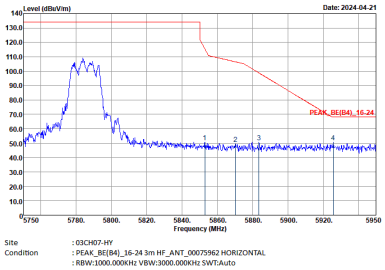
Band 4 - 5725~5850MHz

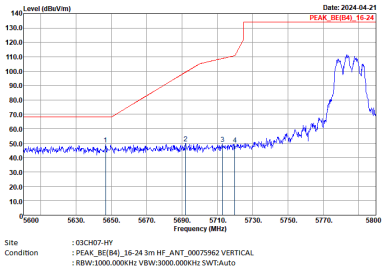
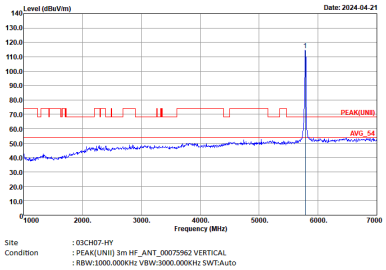
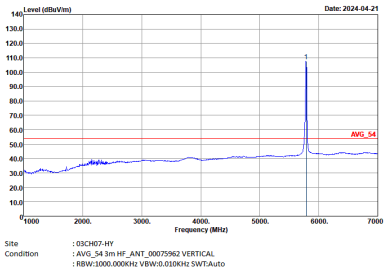
WIFI 802.11a (Band Edge @ 3m)

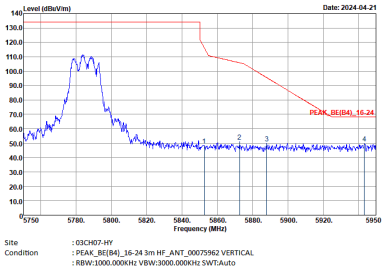
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

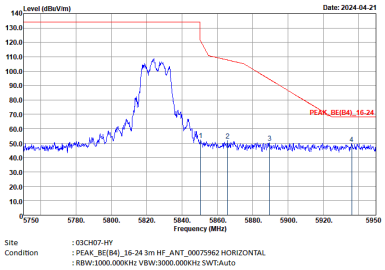
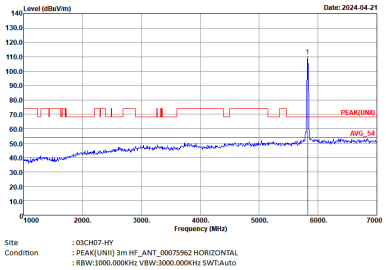
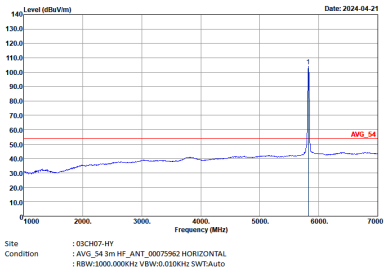
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

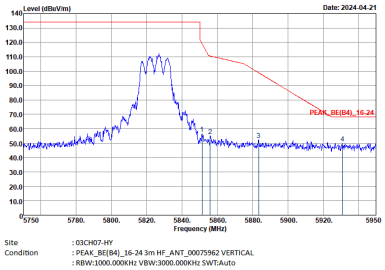
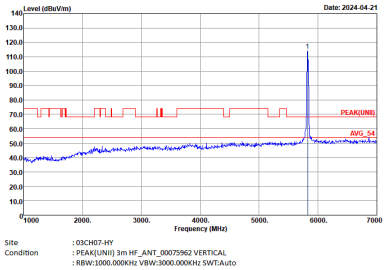
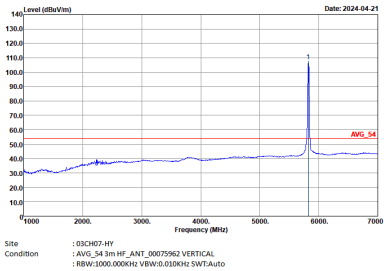
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		Left blank

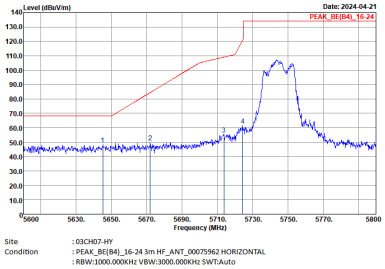
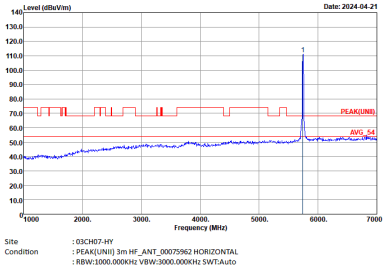
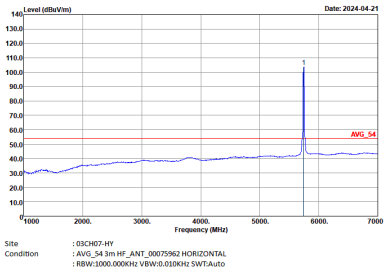
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

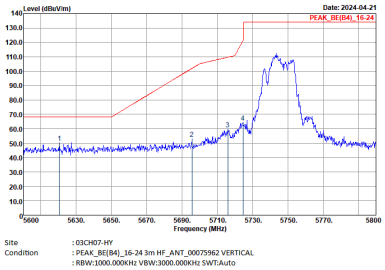
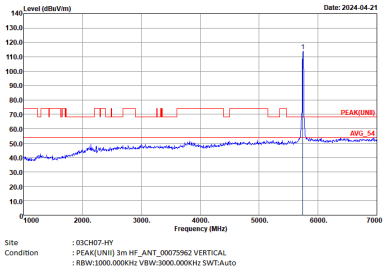
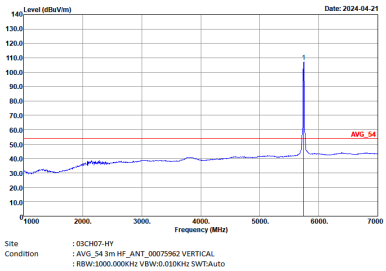
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		Left blank

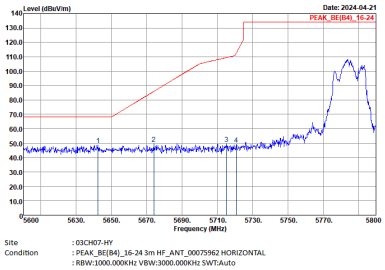
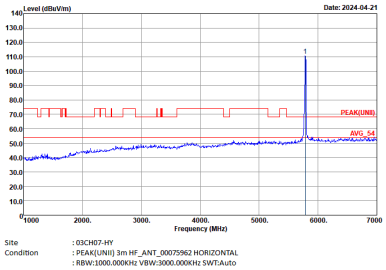
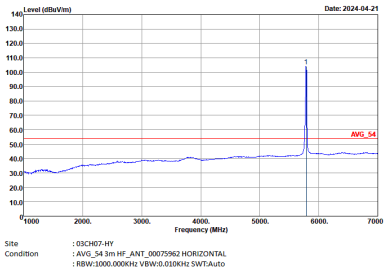
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

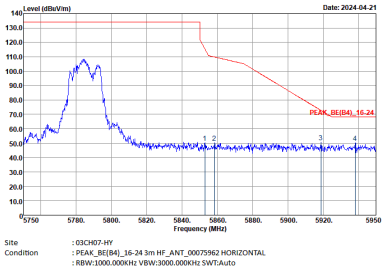
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

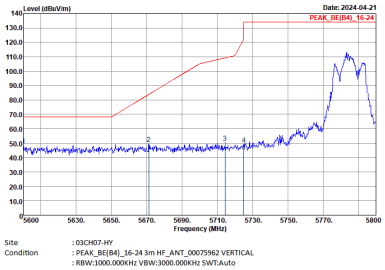
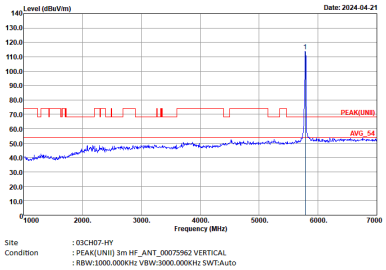
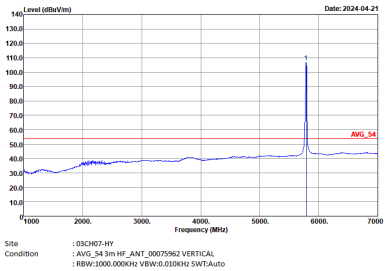
Band 4 5725~5850MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

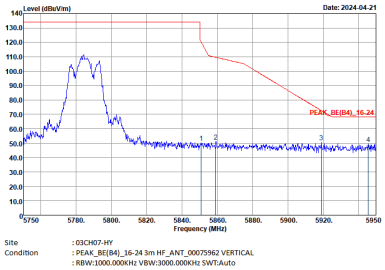
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

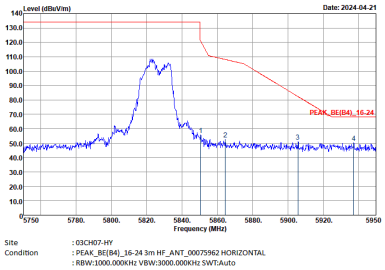
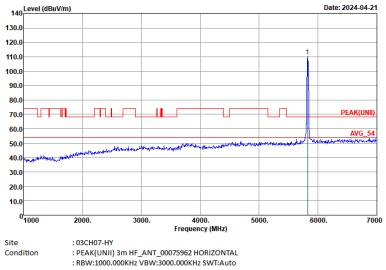
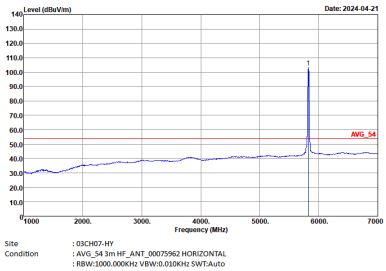
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

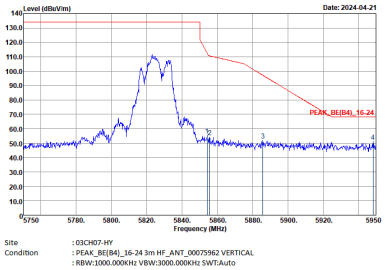
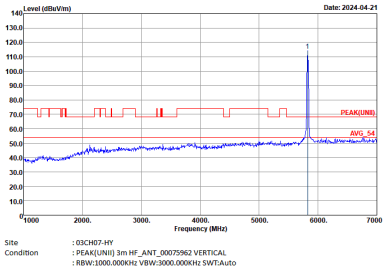
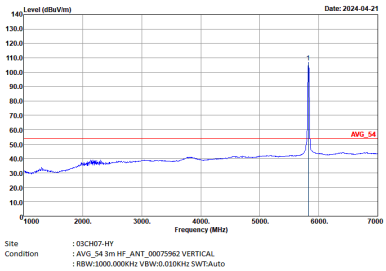
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		Left blank

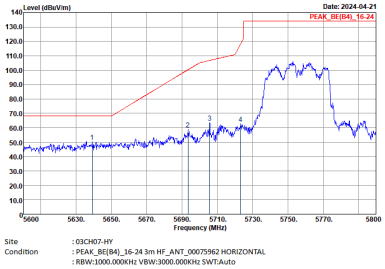
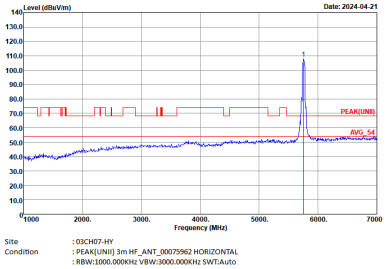
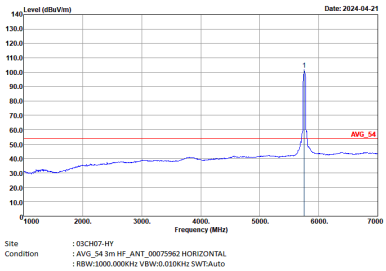
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

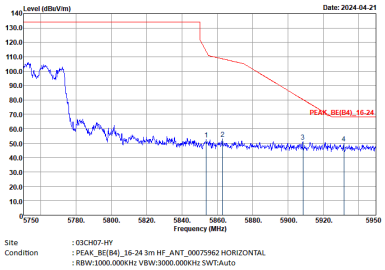
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		Left blank

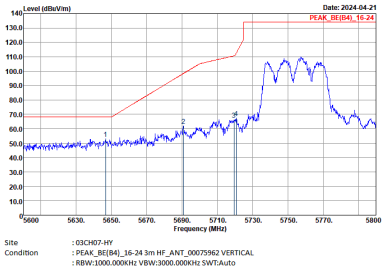
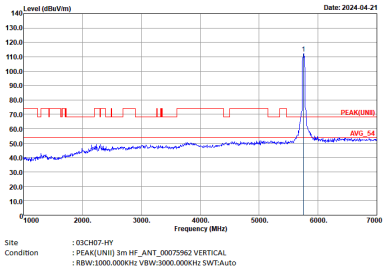
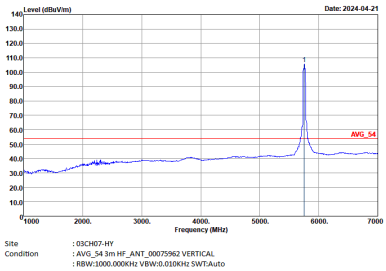
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

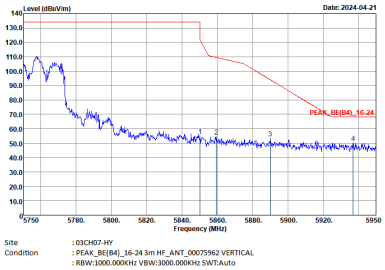
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

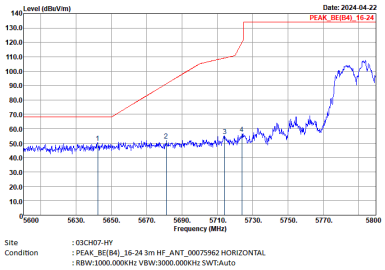
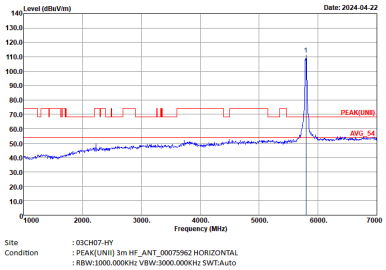
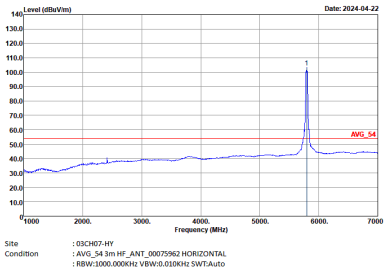
Band 4 5725~5850MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

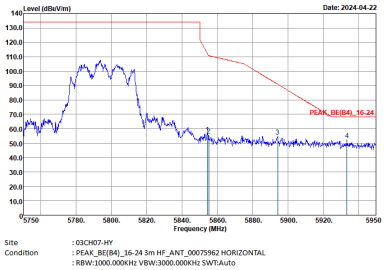
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

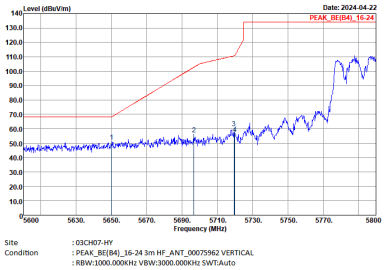
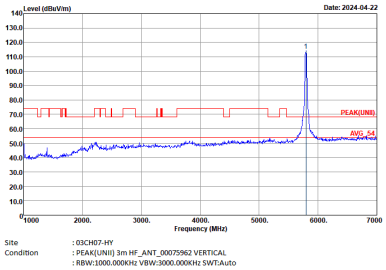
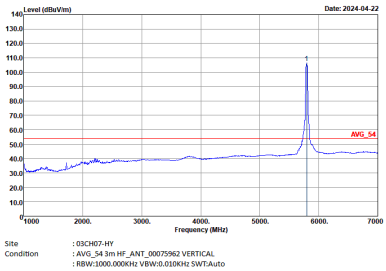
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak		Left blank

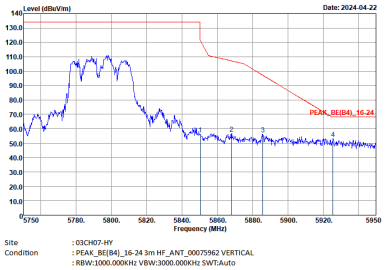
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak		Left blank

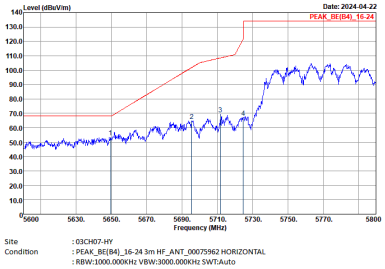
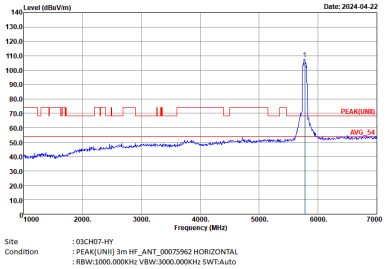
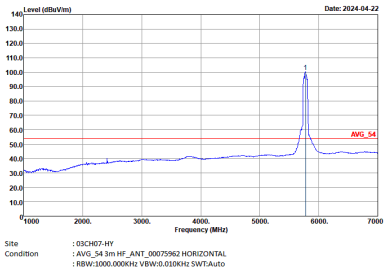
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

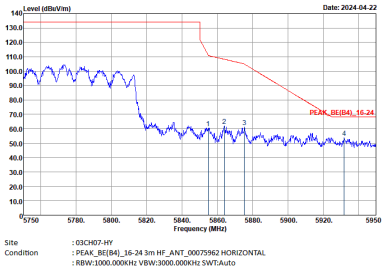
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak		Left blank

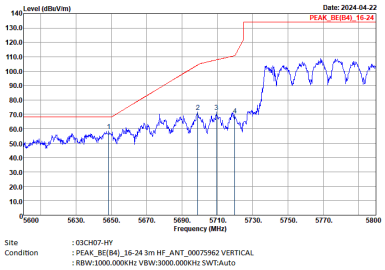
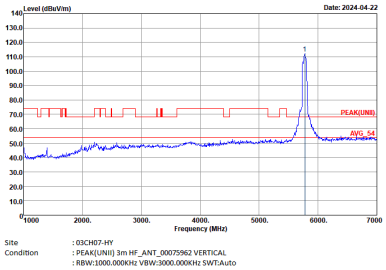
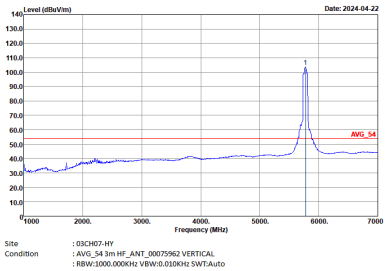
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

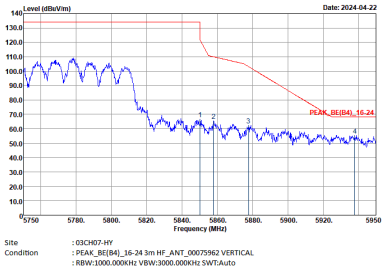
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak		Left blank

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	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

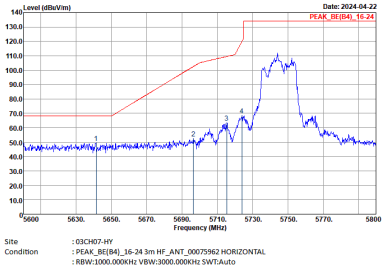
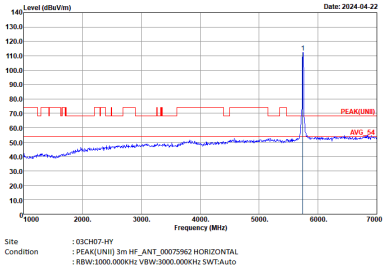
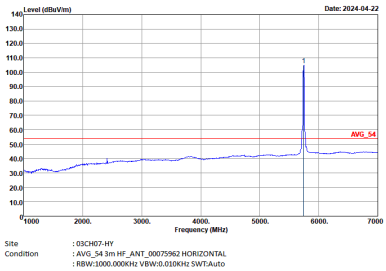
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak		Left blank

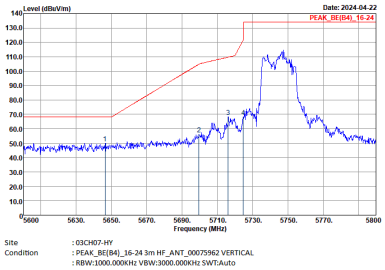
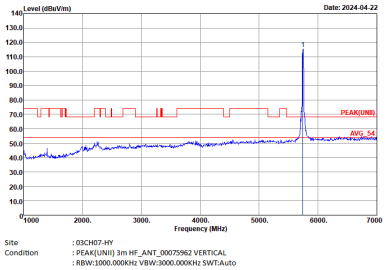
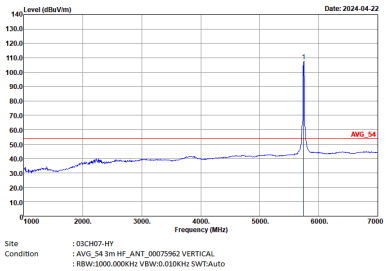
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

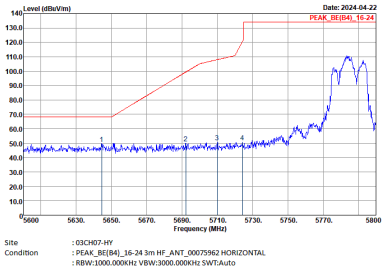
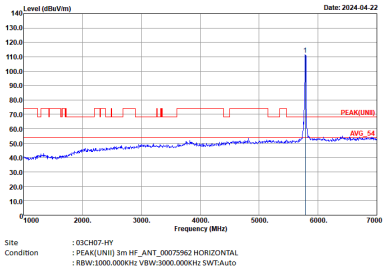
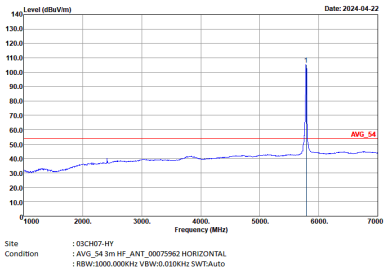
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak		Left blank

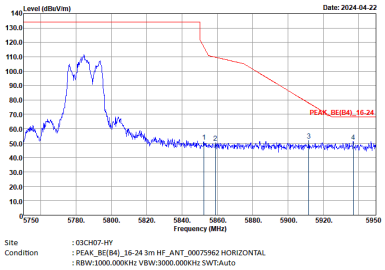
Band 4 - 5725~5850MHz

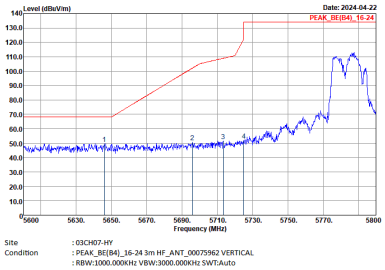
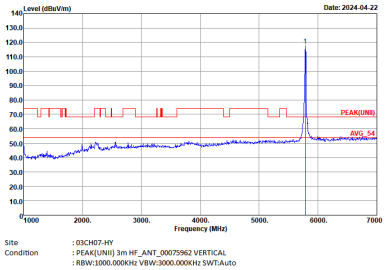
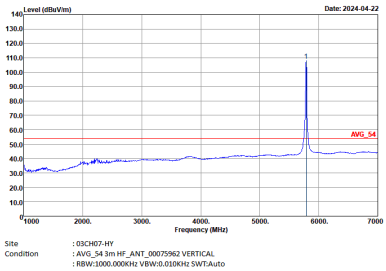
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

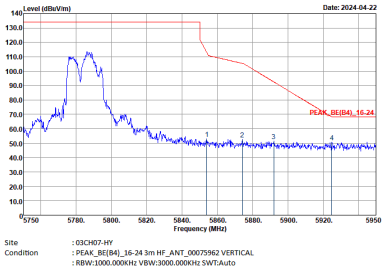
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

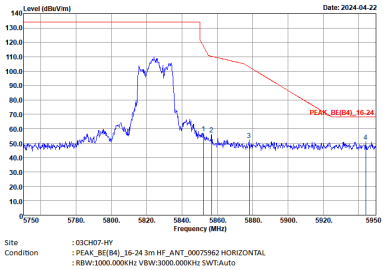
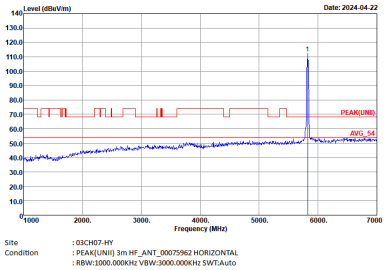
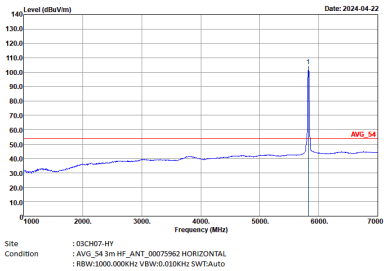
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

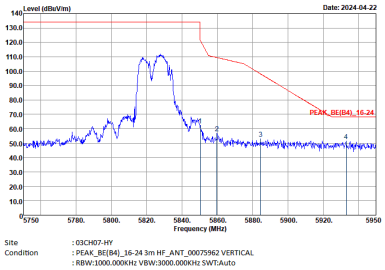
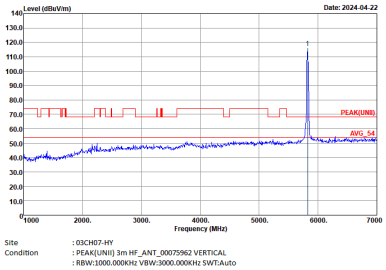
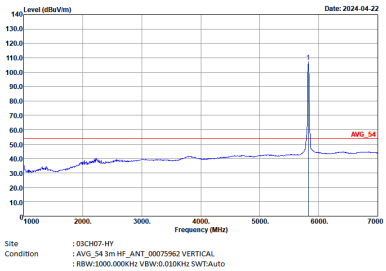
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

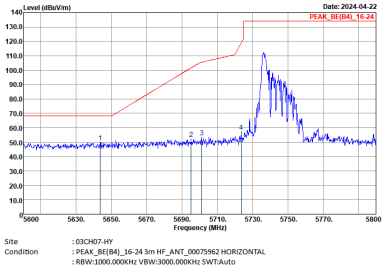
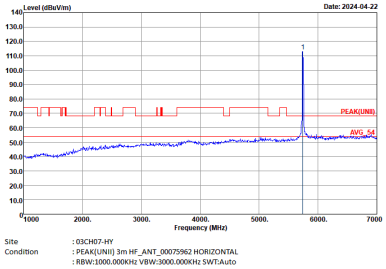
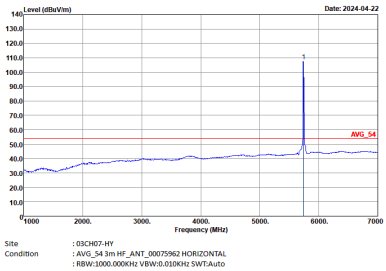
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		Left blank

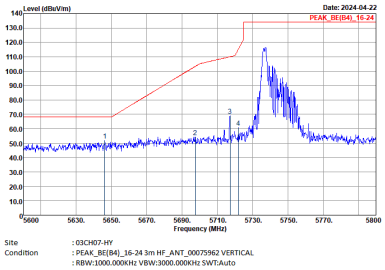
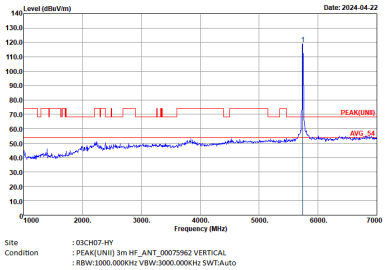
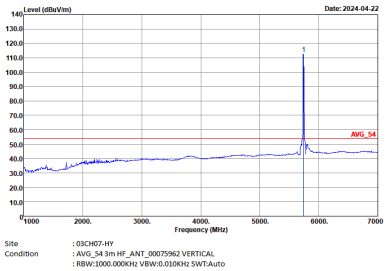
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

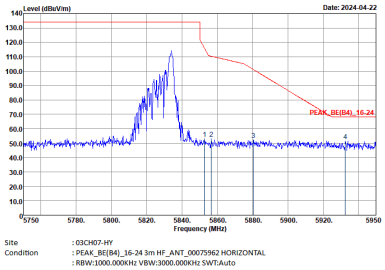
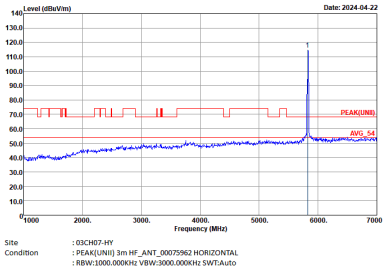
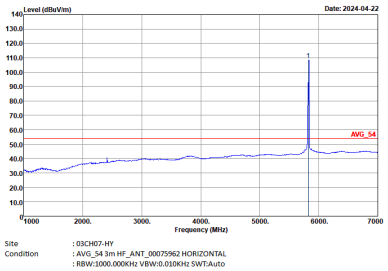
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

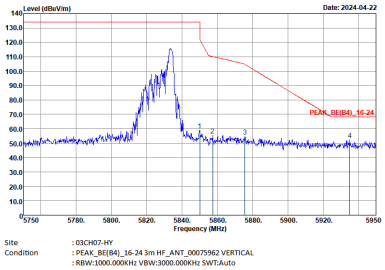
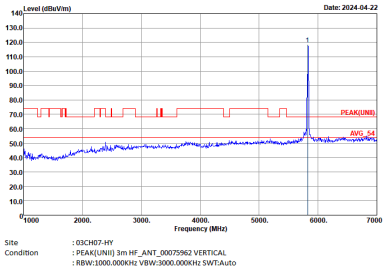
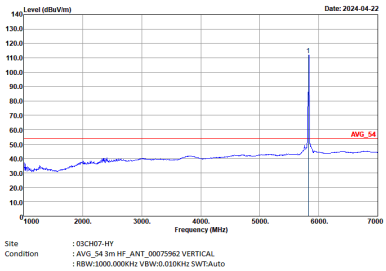
Band 4 5725~5850MHz

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	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

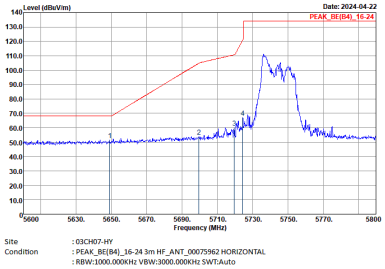
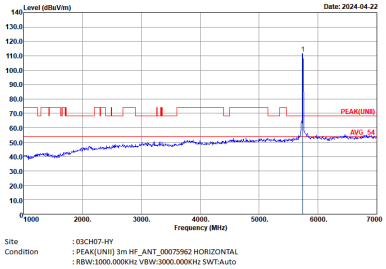
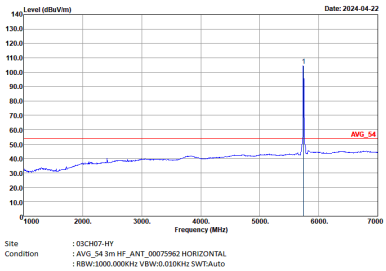
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

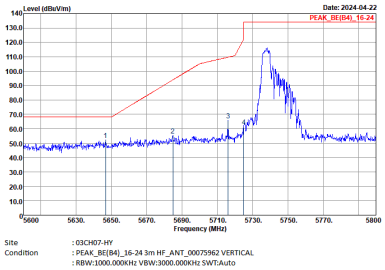
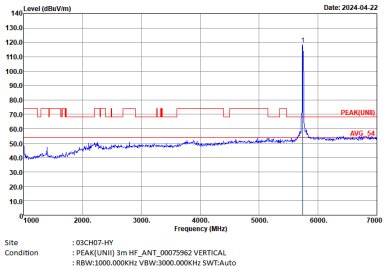
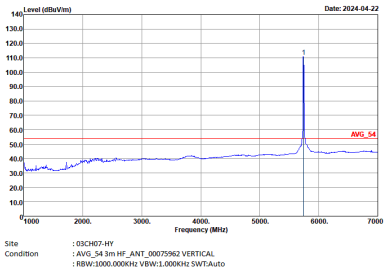
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

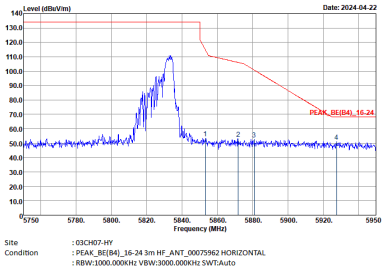
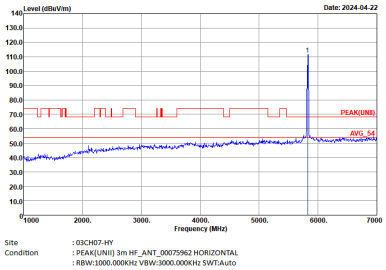
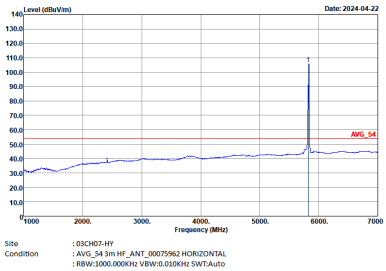
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

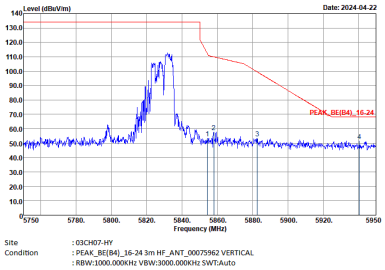
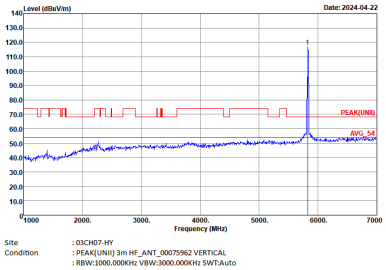
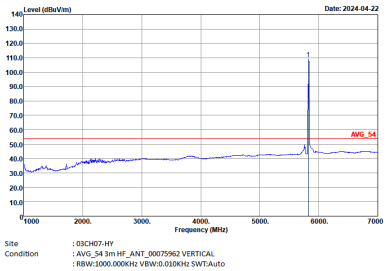
Band 4 5725~5850MHz

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	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

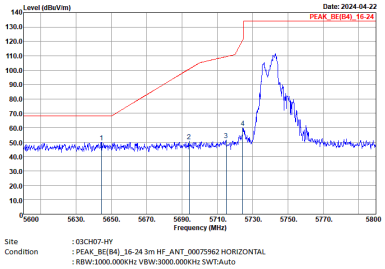
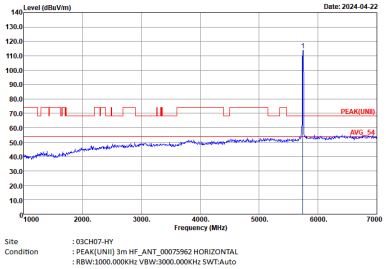
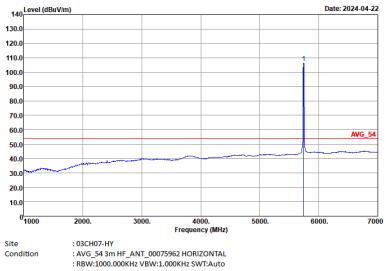
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

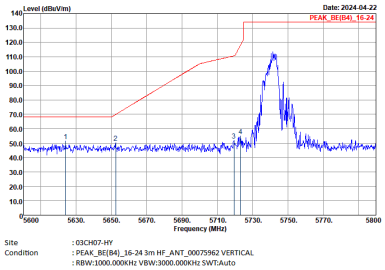
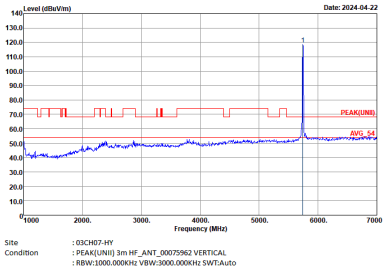
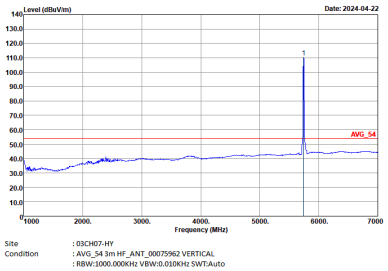
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

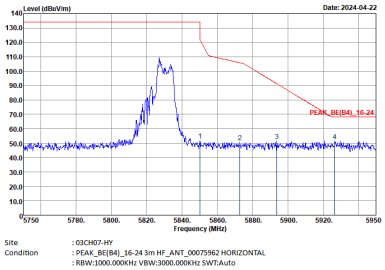
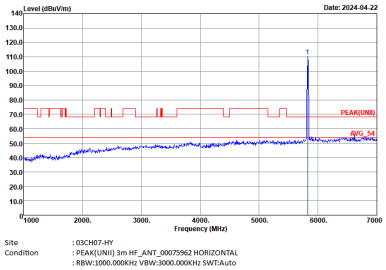
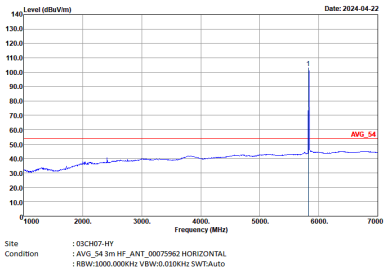
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

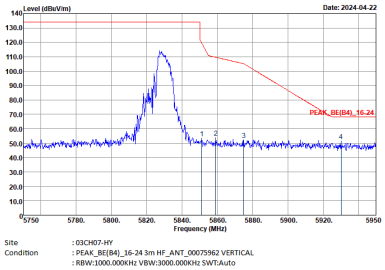
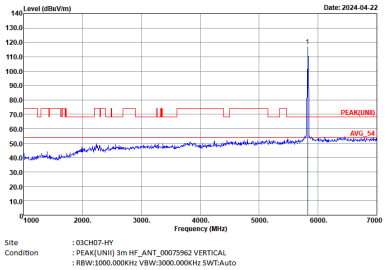
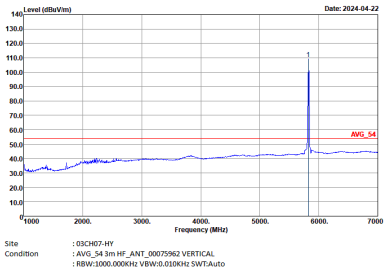
Band 4 5725~5850MHz

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

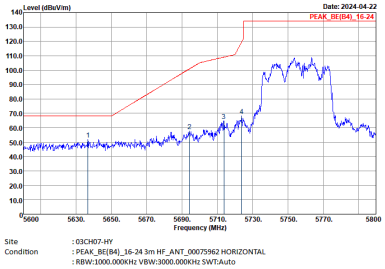
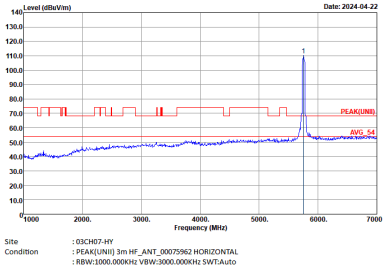
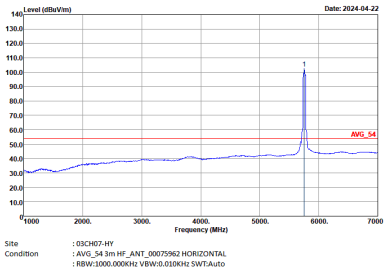
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

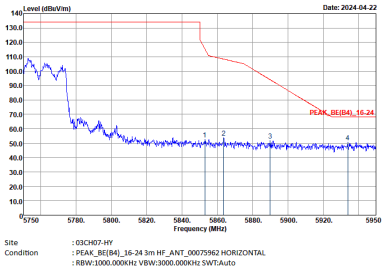
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

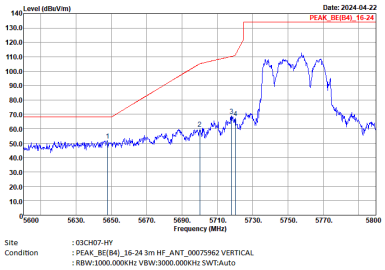
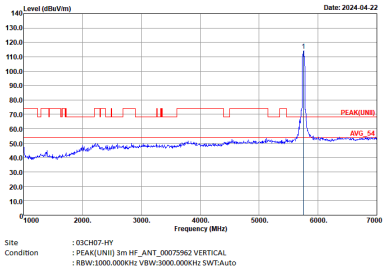
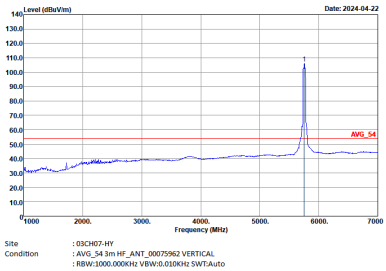
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

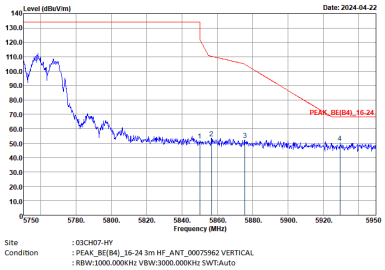
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

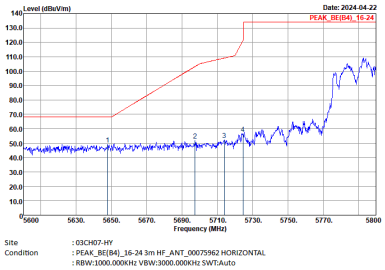
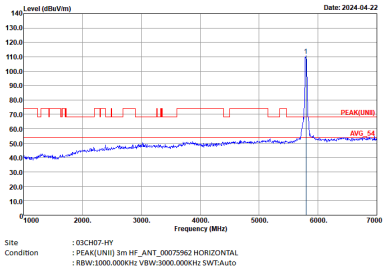
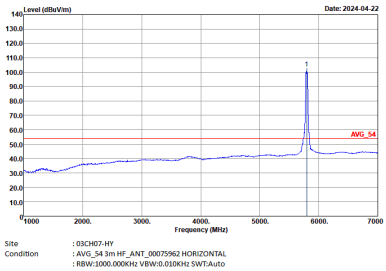
Band 4 5725~5850MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

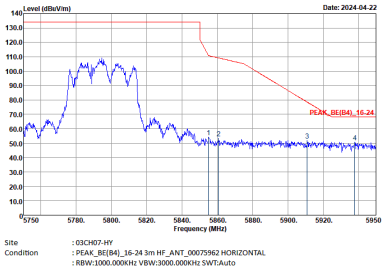
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

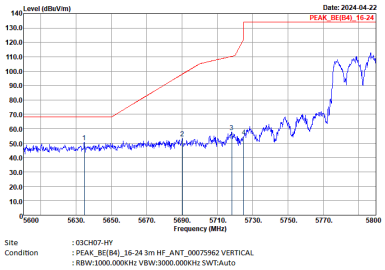
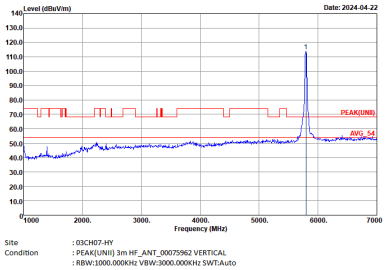
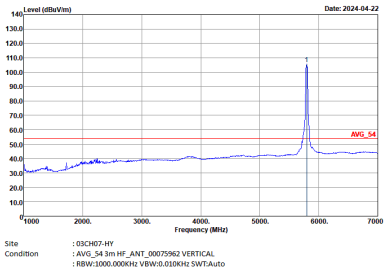
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak		Left blank

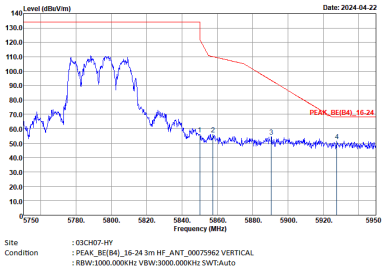
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Vertical	Fundamental
Peak		Left blank

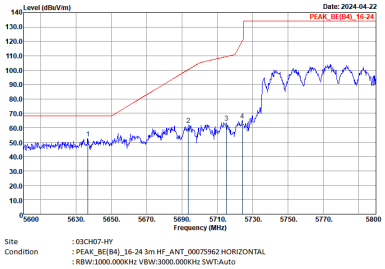
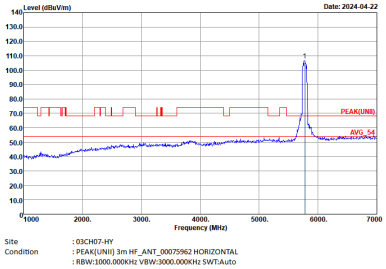
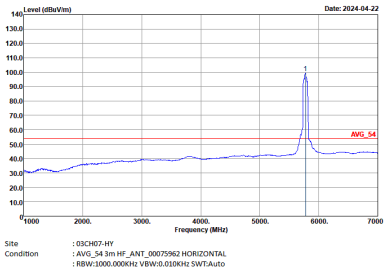
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

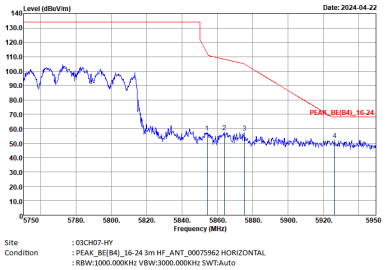
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak		Left blank

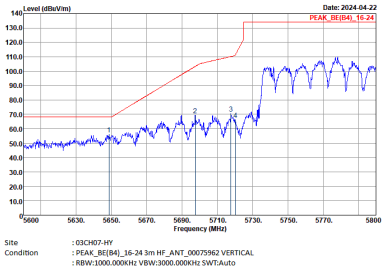
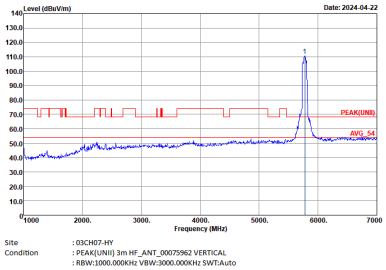
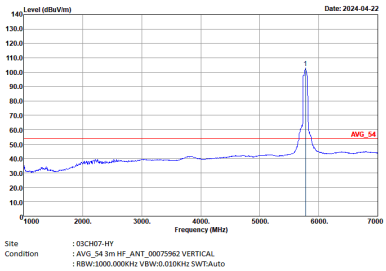
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

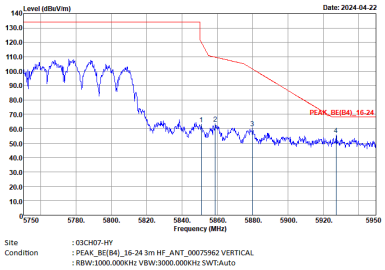
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Vertical	Fundamental
Peak		Left blank

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	
0+1	Horizontal	Fundamental
Peak		
Avg	Left blank	

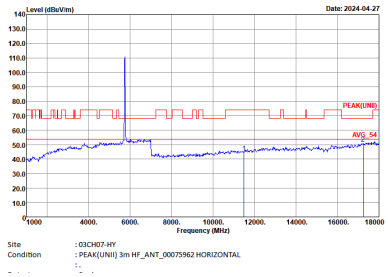
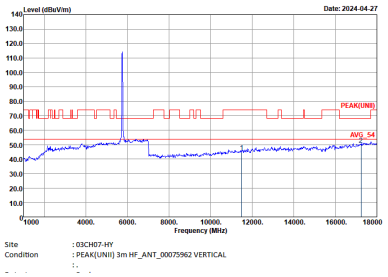
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak		Left blank

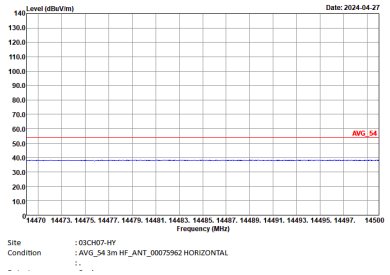
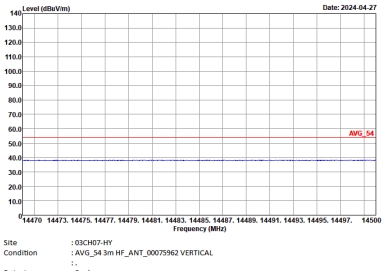
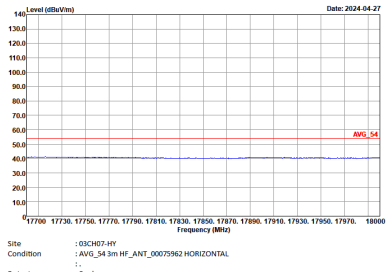
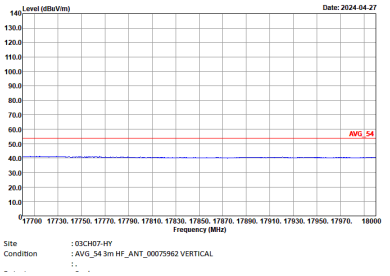
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Vertical	Fundamental
Peak		
Avg	Left blank	

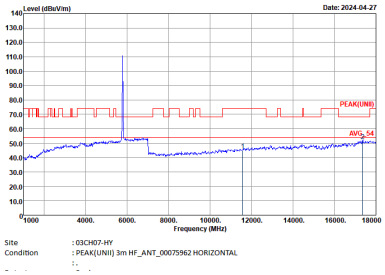
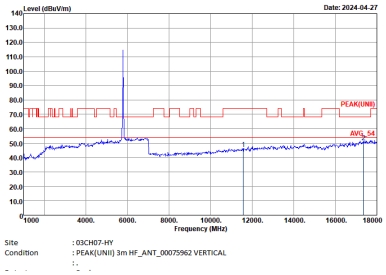
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Vertical	Fundamental
Peak		Left blank

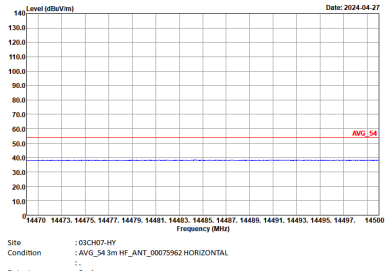
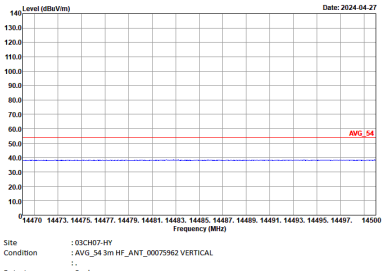
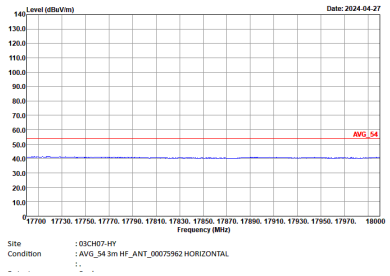
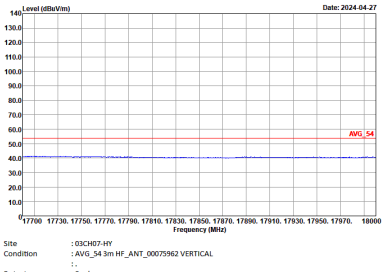
Band 4 - 5725~5850MHz

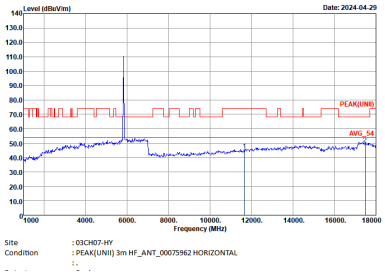
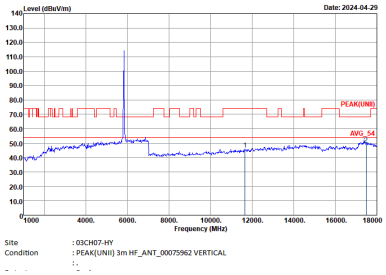
WIFI 802.11a (Harmonic @ 3m)

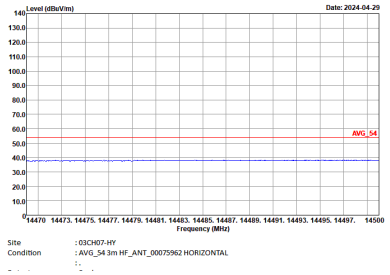
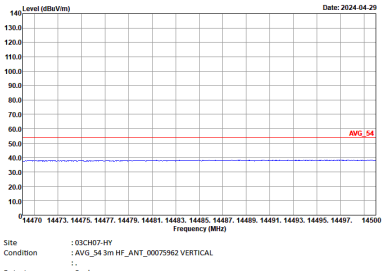
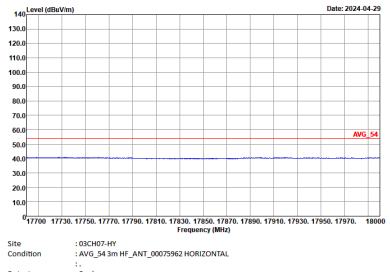
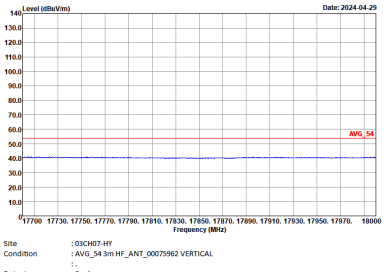
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.		

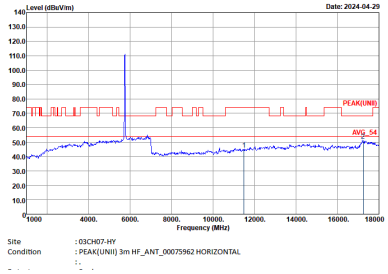
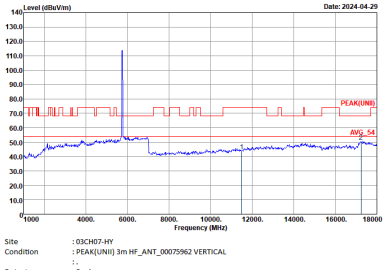
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

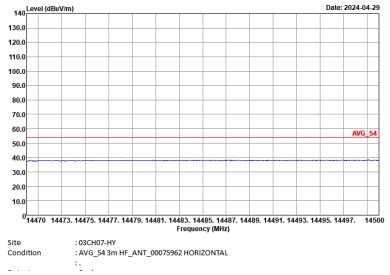
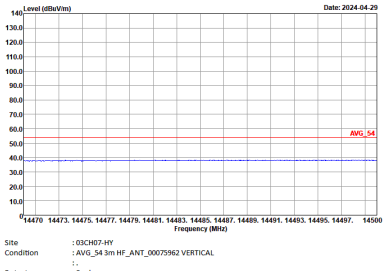
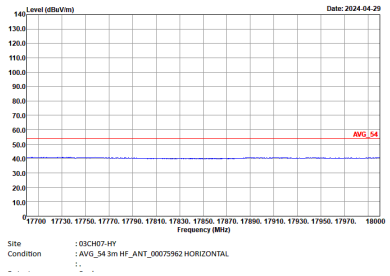
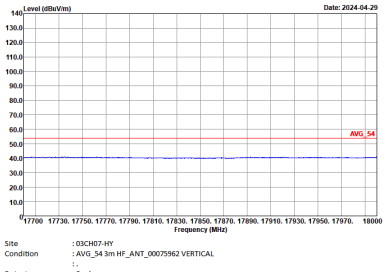
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.		

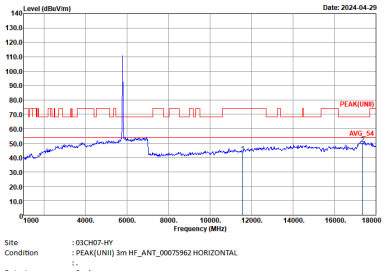
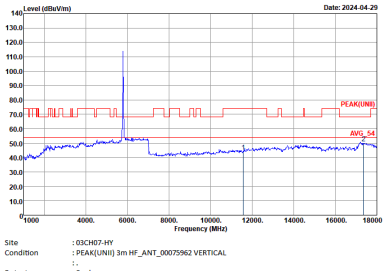
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

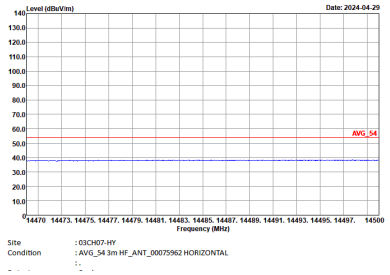
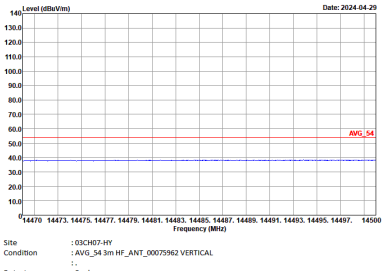
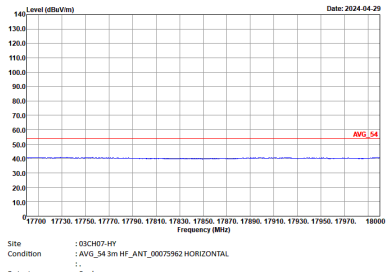
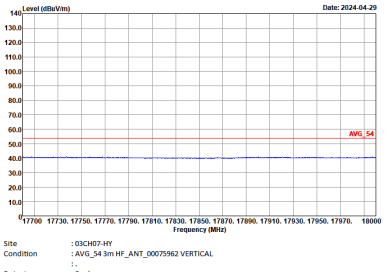
Band 4 5725~5850MHz

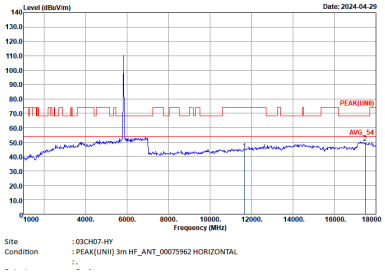
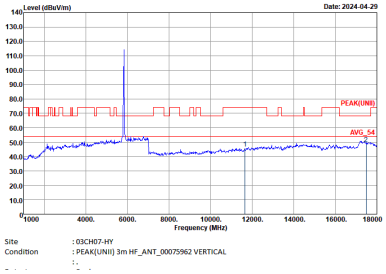
WIFI 802.11ac VHT20 (Harmonic @ 3m)

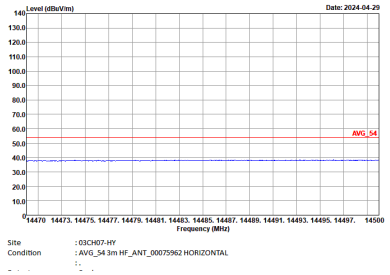
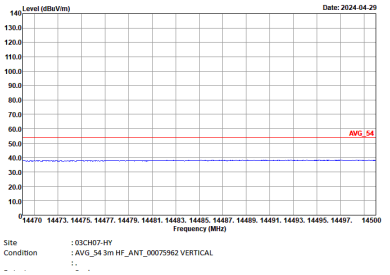
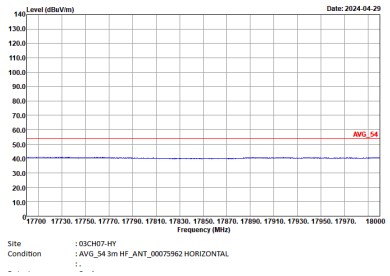
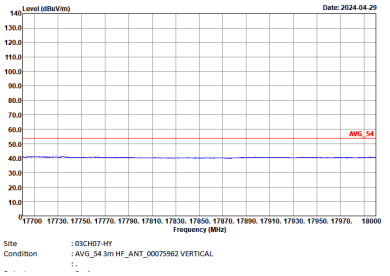
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.		

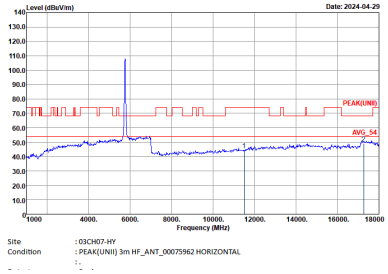
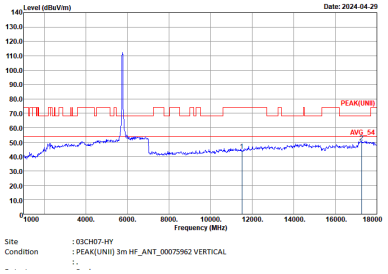
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

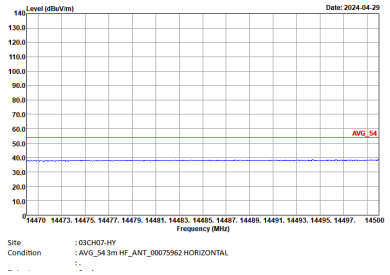
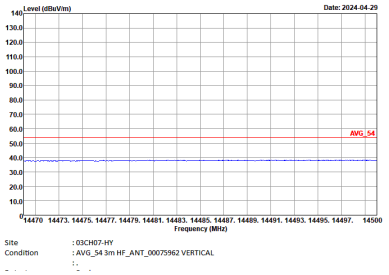
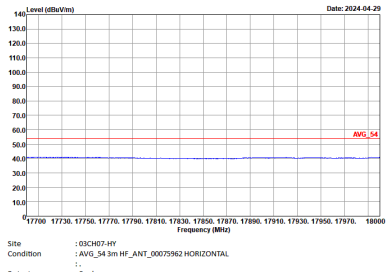
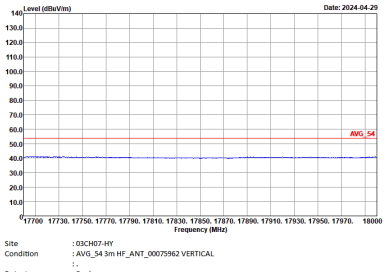
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.		

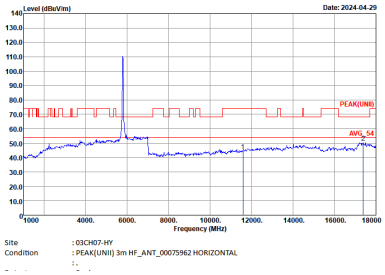
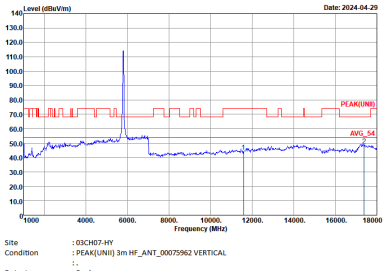
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

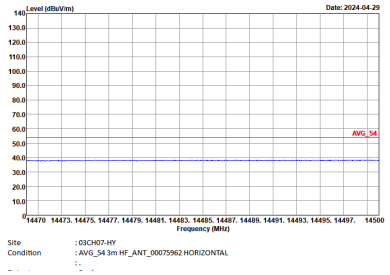
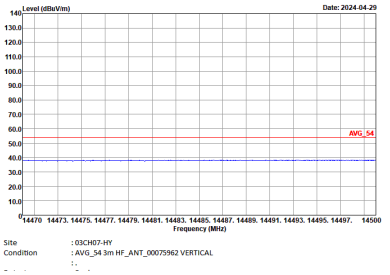
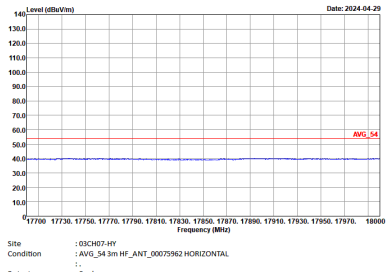
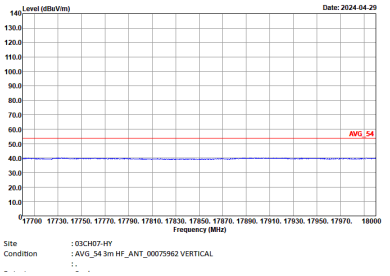
Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+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	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0+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	
0+1	Horizontal	Vertical
Peak Avg.