FCC RADIO TEST REPORT

FCC ID	:	**2BBL6-7128**
Equipment	:	**Mixed Reality Headset**
Brand Name	:	**LYNX**
Model Name	:	**Lynx-R1**
Marketing Name	:	**Lynx-R**
Applicant	:	**SL Process** **47 RUE MARCEL DASSAULT 92514** **BOULOGNE-BILLANCOURT CEDEX, FRANCE**
Manufacturer	:	**SL Process** **47 RUE MARCEL DASSAULT 92514** **BOULOGNE-BILLANCOURT CEDEX, FRANCE**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Feb. 16, 2023 and testing was performed from Mar. 13, 2023 to Sep. 07, 2023. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
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History of this test report

Report No.	Version	Description	Issue Date
FR2N1906E	01	Initial issue of report	Jan. 09, 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	6.06 dB under the limit at 51.06 MHz
3.5	15.207	AC Conducted Emission	Pass	10.91 dB under the limit at 0.74 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: Danny Lee
Report Producer: Ming Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, and Wi-Fi 5GHz 802.11a/n/ac/ax. **Antenna Type** WLAN <Ant. 1>: Dipole Antenna <Ant. 2>: Dipole Antenna Bluetooth: Dipole Antenna

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 1: 3.72 Ant. 2: 2.46

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

1.1.1 Antenna Directional Gain

<For CDD Mode>

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

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 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	3.72	2.46	3.72	6.12	0.00	0.12

Calculation example:

If a device has two antenna, G_{ANT1}= 3.72dBi; G_{ANT2}=2.46dBi

Directional gain of power measurement = max(3.72, 2.46) + 0 = 3.72 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (3.72 dBi / 20) + 10^ (2.46 dBi / 20)] ^ 2 } / 2 }

= 6.12 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. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH16-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

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

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2018.

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 and 484-tone RU is covered by 40MHz 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 and 802.11ac mode is smaller than 802.11ax mode, so all other conducted and radiated test is covered by 802.11ax mode.

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

MIMO Mode

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

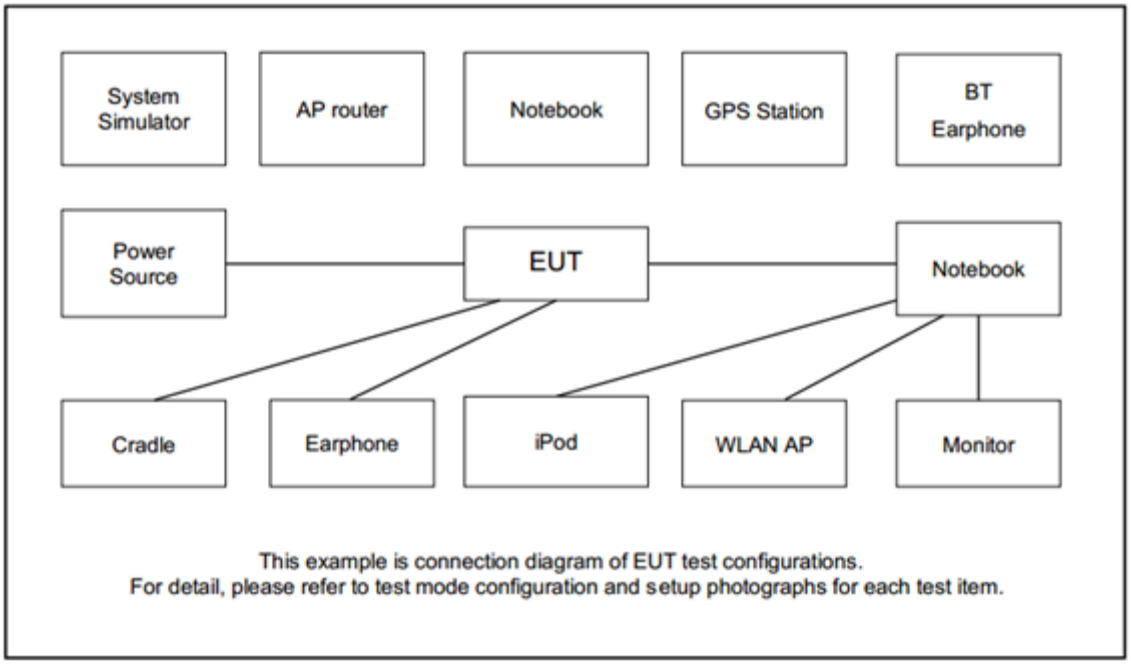
Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + MPEG4 + Earphone + SD Card + USB Cable (Charging from Adapter)

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



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.2 m	N/A
4.	AC Adapter	PQI	PDC65WV	NA	N/A	N/A
5.	Bluetooth Earphone	Sony	SBH20	PY7-RD0010	N/A	N/A
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
7.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
8.	Earphone + Mic	Samsung	Ecouteur	N/A	Unshielded, 1.8 m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QSPR v5.0-00202” 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.

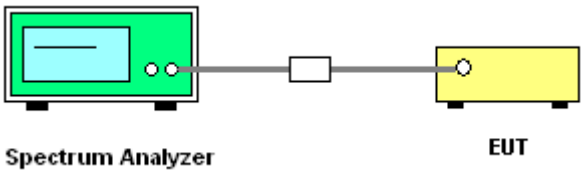
3.1.2 Measuring Instruments

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

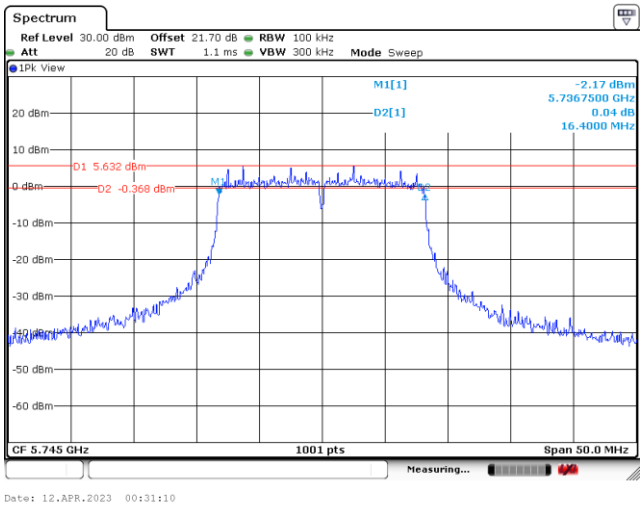
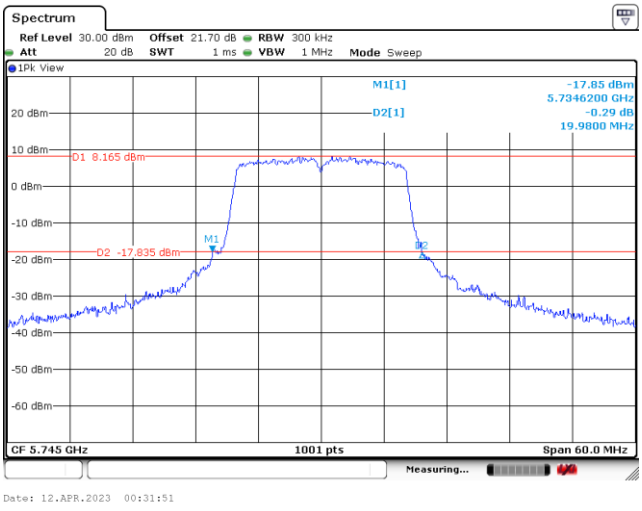
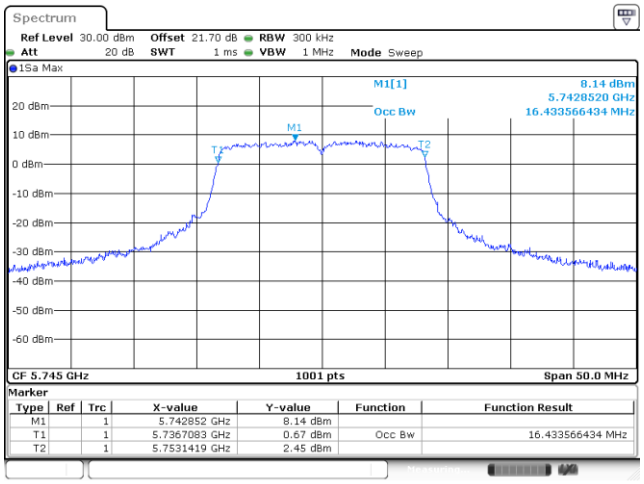


3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

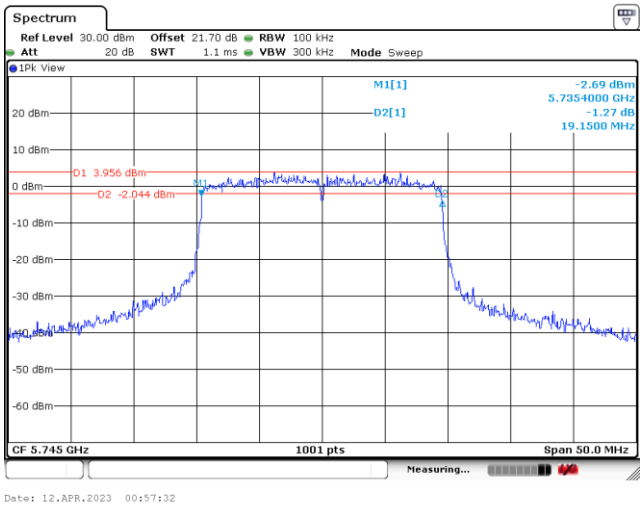
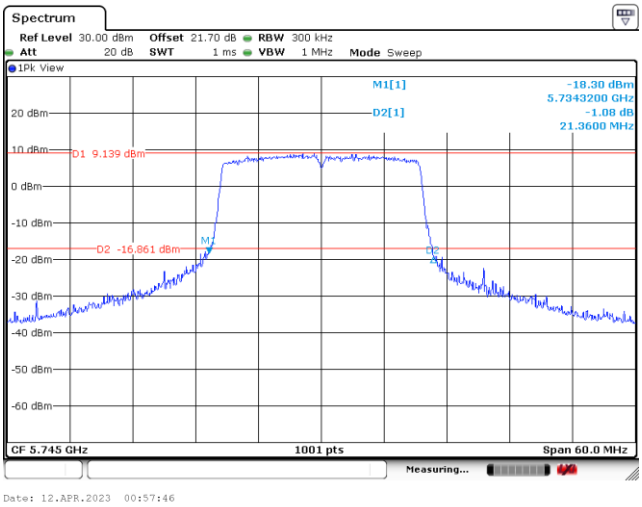
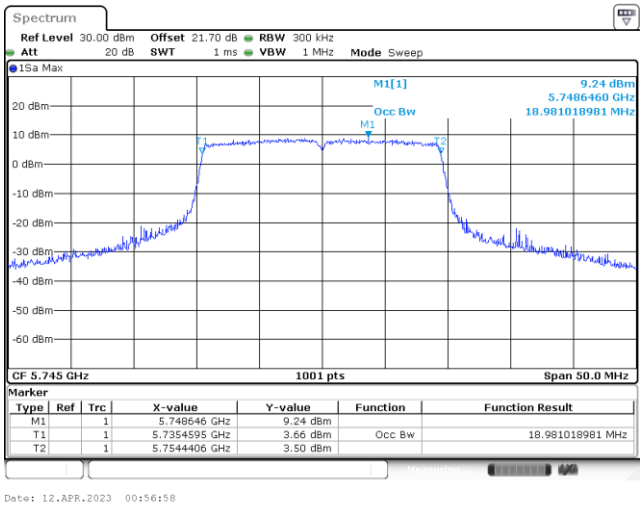
MIMO <Ant. 1+2>

<802.11a>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**NA**
	

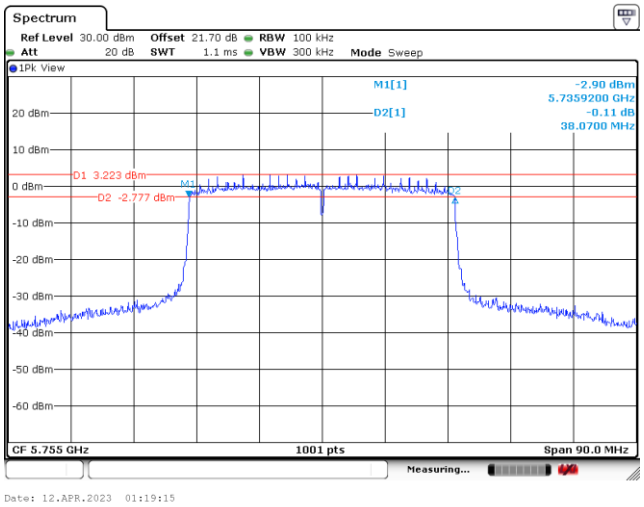
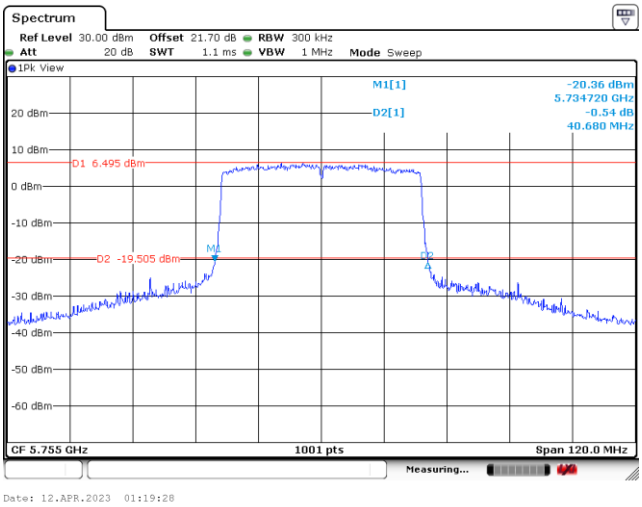
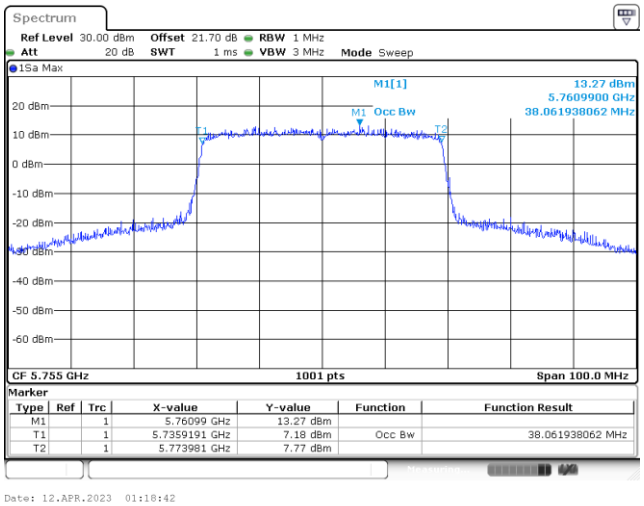
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**NA**
	

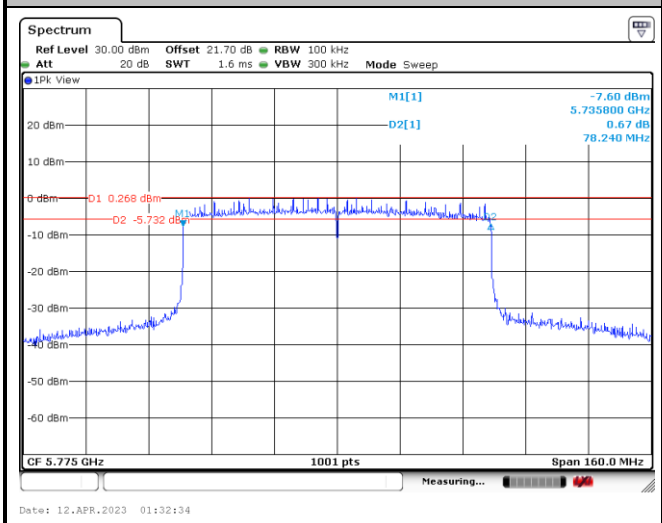
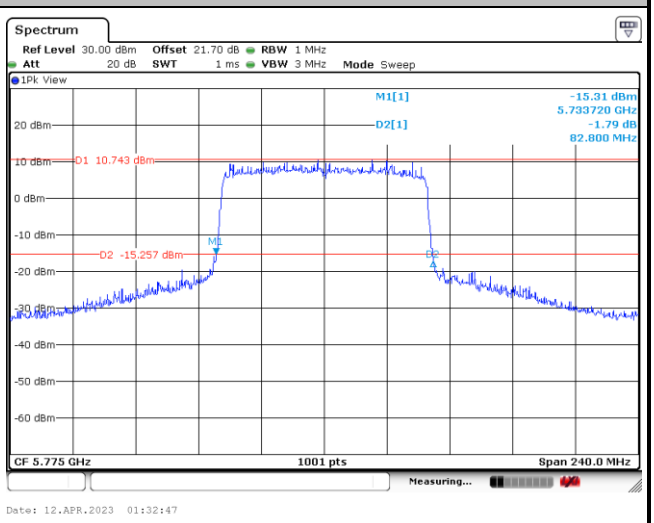
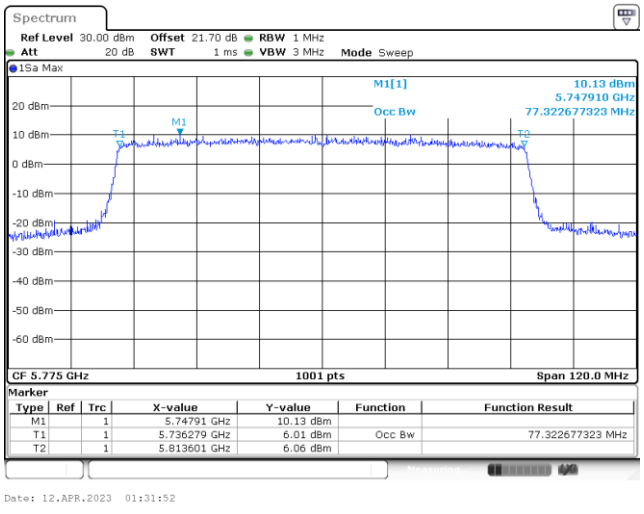
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**NA**
	

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

<802.11ax HE80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**NA**
	

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

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.

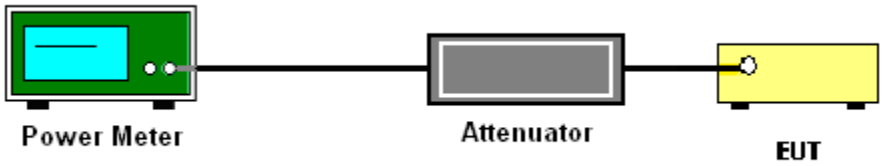
3.2.3 Test Procedures

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.

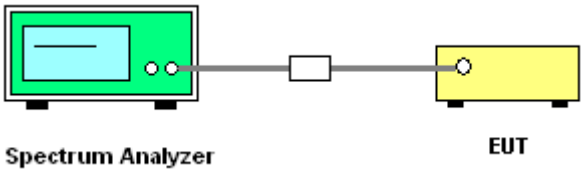
 # Method SA-3 #

(power averaging (rms) detection with max hold):

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW ≥ 1 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- 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
- Sweep time ≤ (number of points in sweep) × 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.
  Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

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.

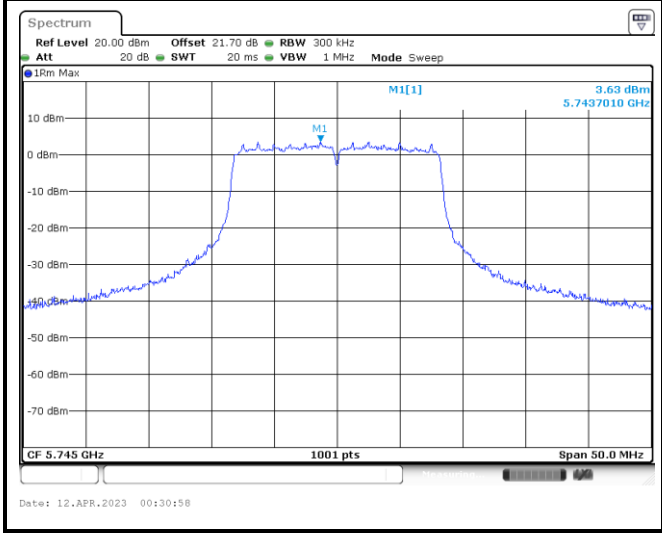
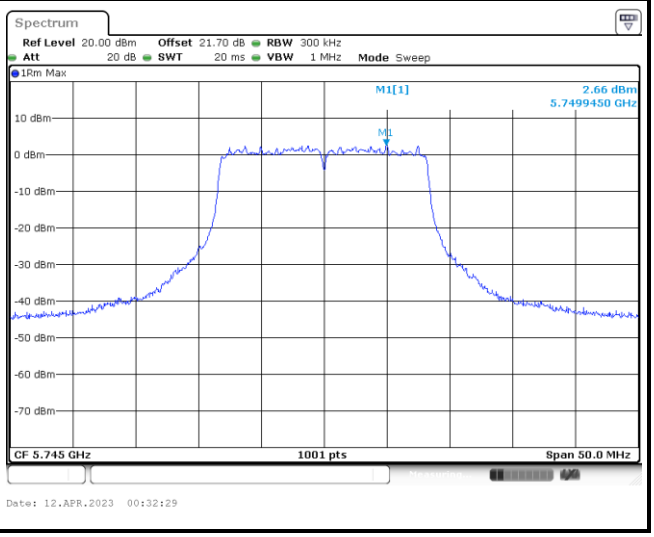
3.3.4 Test Setup



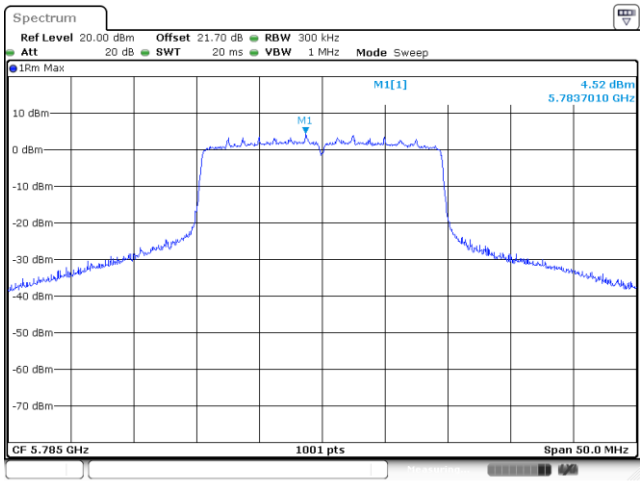
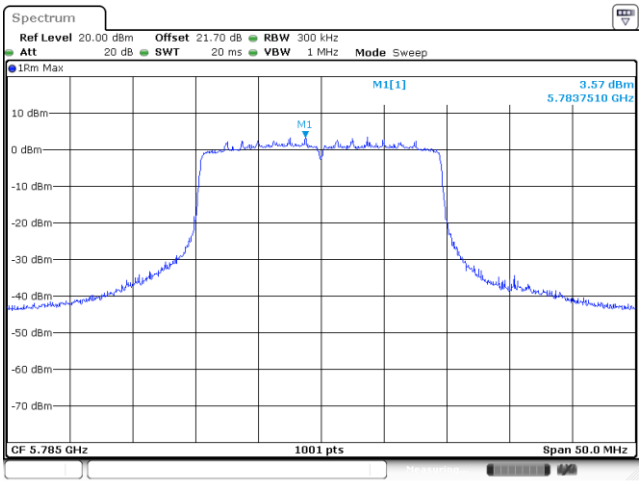
3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

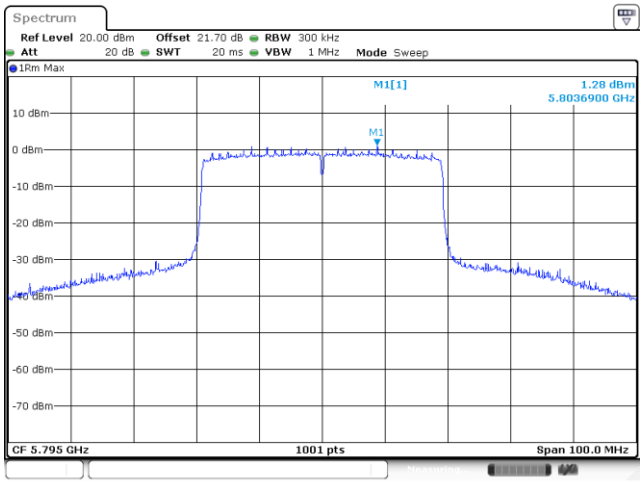
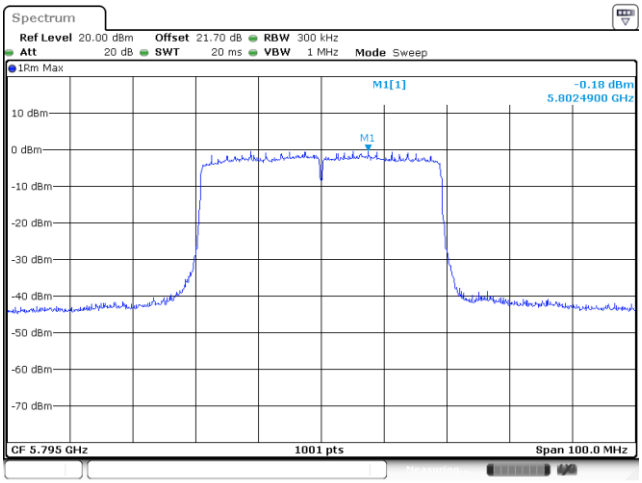
<802.11a>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	**MIMO Ant. 2**
	

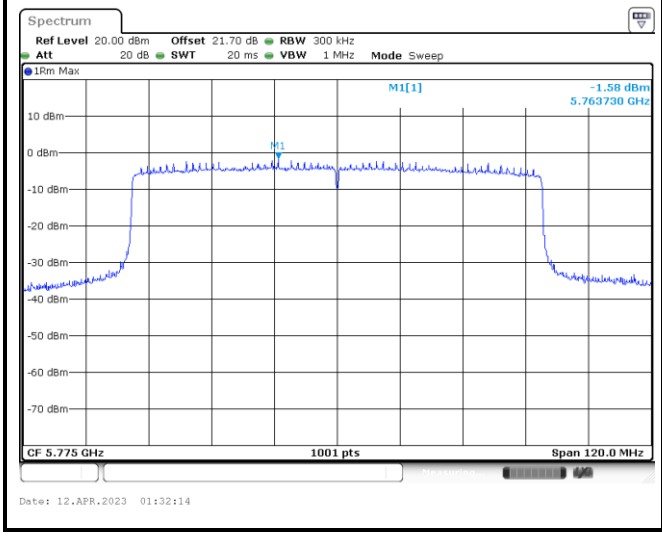
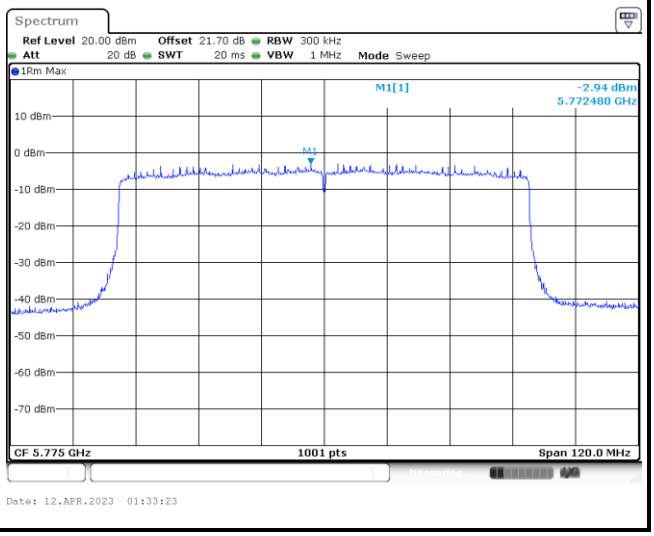
<802.11ax HE20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	MIMO Ant. 2
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	MIMO Ant. 2
	

<802.11ax HE80>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 1	MIMO Ant. 2
	

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

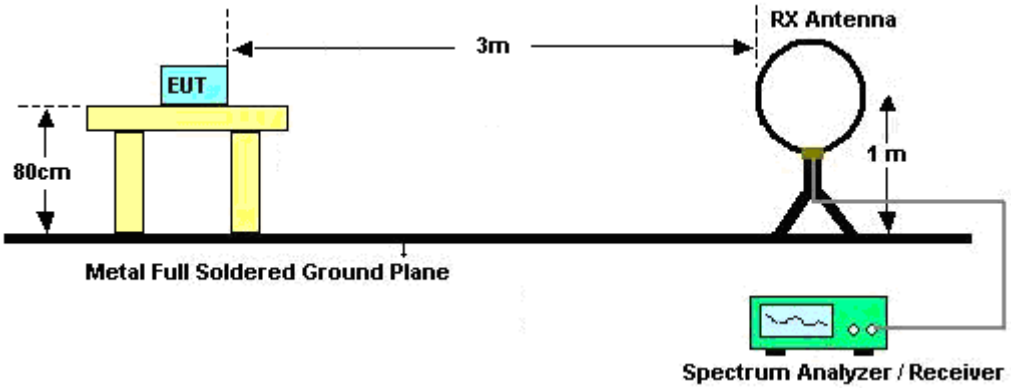
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

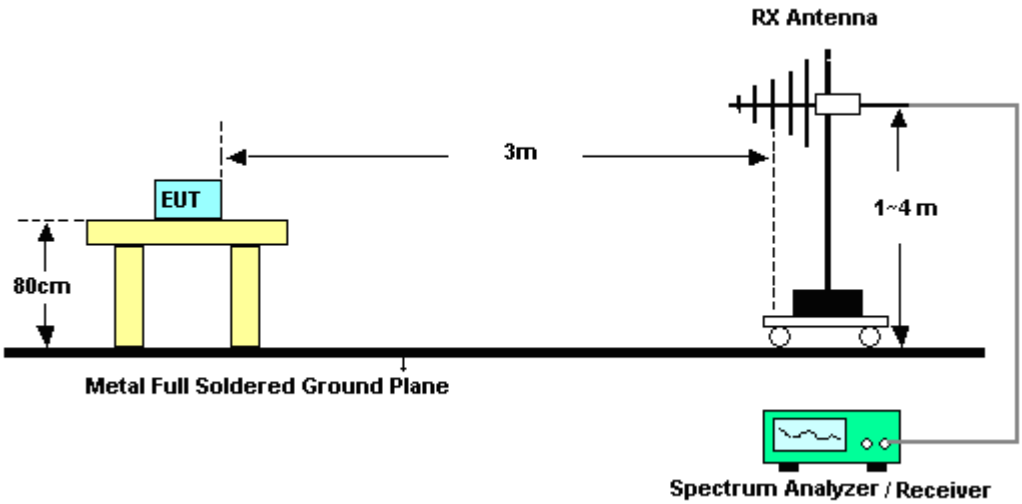
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit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

3.4.4 Test Setup

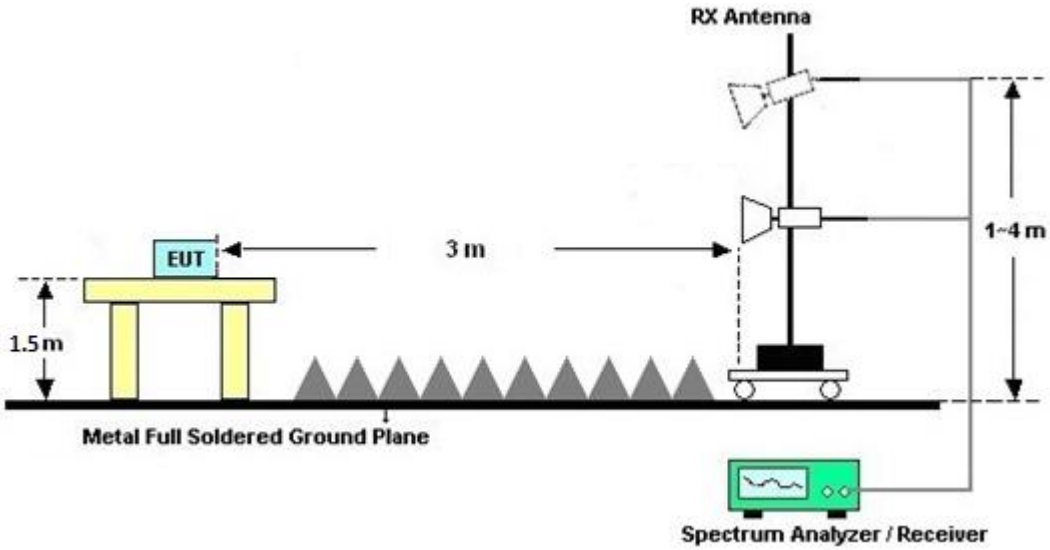
For radiated emissions below 30MHz



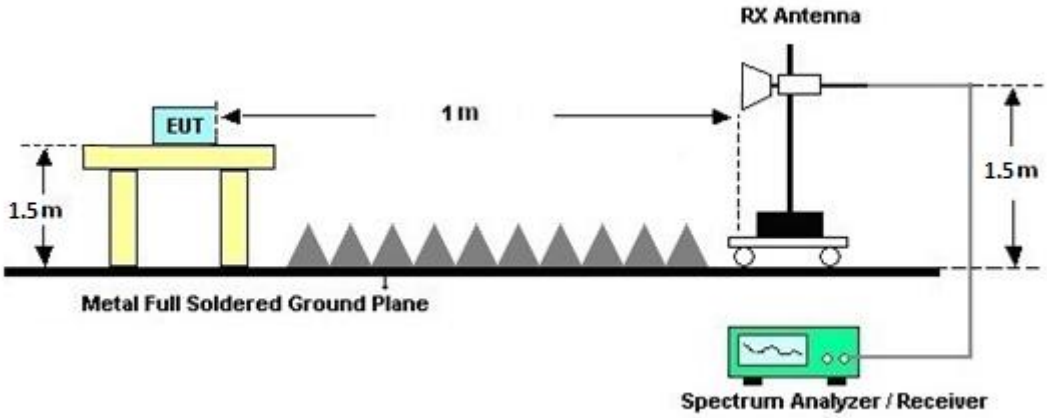
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

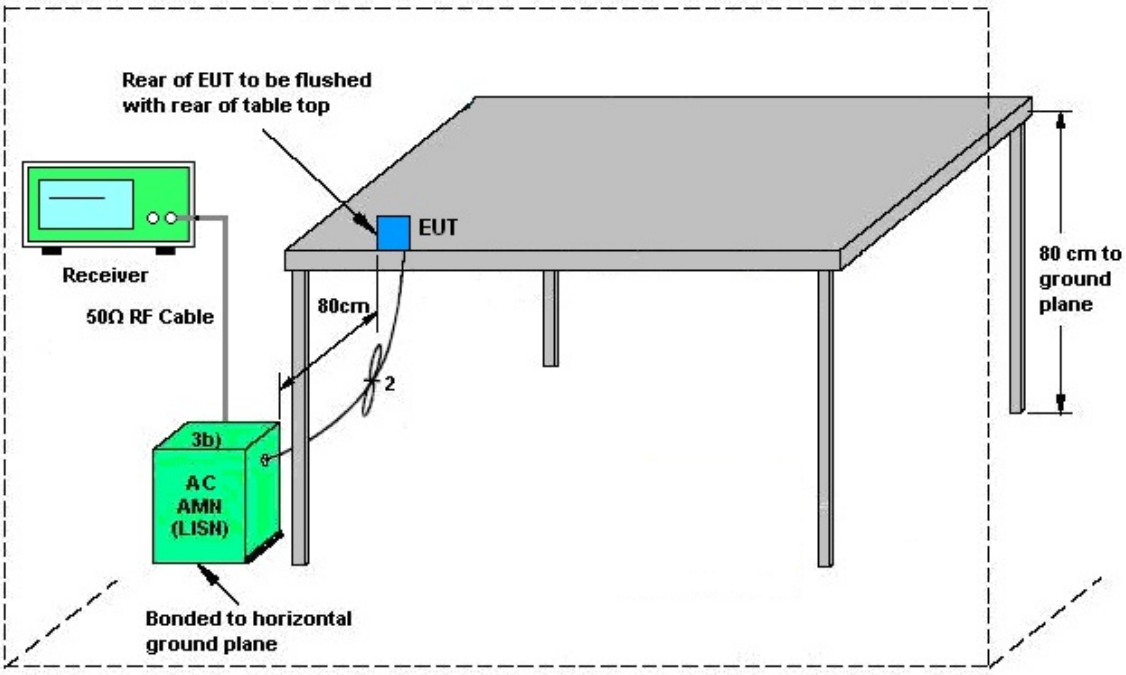
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RPR3006W	16I00054SNO12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Mar. 13, 2023~ May 16, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Mar. 13, 2023~ May 16, 2023	Aug. 02, 2023	Conducted (TH05-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz~18GHz	Mar. 23, 2023	Apr. 26, 2023~ May 19, 2023	Mar. 22, 2024	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2022	Apr. 26, 2023~ May 19, 2023	Nov. 23, 2023	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz~1GHz	Oct. 08, 2022	Apr. 26, 2023~ May 19, 2023	Oct. 07, 2023	Radiation (03CH16-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Apr. 26, 2023~ May 19, 2023	Sep. 19, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Apr. 26, 2023~ May 19, 2023	Jun. 27, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 26, 2022	Apr. 26, 2023~ May 19, 2023	Dec. 25, 2023	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 09, 2022	Apr. 26, 2023~ May 19, 2023	Dec. 08, 2023	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 04, 2022	Apr. 26, 2023~ May 19, 2023	Jul. 03, 2023	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 15, 2022	Apr. 26, 2023~ May 19, 2023	Dec. 14, 2023	Radiation (03CH16-HY)
Signal Analyzer	Keysight	N9010B	MY62170278	10Hz~44GHz	Sep. 11, 2022	Apr. 26, 2023~ May 19, 2023	Sep. 10, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	805935/4	N/A	Aug. 09, 2022	Apr. 26, 2023~ May 19, 2023	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	802434/4	N/A	Aug. 09, 2022	Apr. 26, 2023~ May 19, 2023	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5 757	N/A	Aug. 09, 2022	Apr. 26, 2023~ May 19, 2023	Aug. 08, 2023	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Apr. 26, 2023~ May 19, 2023	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 26, 2023~ May 19, 2023	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 26, 2023~ May 19, 2023	N/A	Radiation (03CH16-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Sep. 06, 2023~ Sep. 07, 2023	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 06, 2023~ Sep. 07, 2023	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 01, 2022	Sep. 06, 2023~ Sep. 07, 2023	Oct. 31, 2023	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 15, 2023	Sep. 06, 2023~ Sep. 07, 2023	Mar. 14, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 05, 2023	Sep. 06, 2023~ Sep. 07, 2023	Mar. 04, 2024	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 13, 2023	Sep. 06, 2023~ Sep. 07, 2023	Mar. 12, 2024	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 06, 2022	Sep. 06, 2023~ Sep. 07, 2023	Oct. 05, 2023	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))	3.46 dB

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

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

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

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.6 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	River Tsai, Hank Hsu	Temperature:	21~25	°C
Test Date:	2023/3/13~2023/5/16	Relative Humidity:	51~54	%

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

U-NII-3 MIMO												
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	149	5745	16.43	16.38	19.98	19.44	16.40	16.40	0.5	Pass
11a	6Mbps	2	157	5785	16.43	16.38	20.76	19.14	16.40	16.40	0.5	Pass
11a	6Mbps	2	165	5825	16.43	16.38	20.82	19.14	16.40	16.40	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	17.70	16.80	20.28	30.00		3.72		Pass
11a	6Mbps	2	157	5785	17.50	16.60	20.08	30.00		3.72		Pass
11a	6Mbps	2	165	5825	17.50	16.70	20.13	30.00		3.72		Pass
HT20	MCS0	2	149	5745	17.50	16.70	20.13	30.00		3.72		Pass
HT20	MCS0	2	157	5785	17.70	16.90	20.33	30.00		3.72		Pass
HT20	MCS0	2	165	5825	17.30	16.60	19.97	30.00		3.72		Pass
HT40	MCS0	2	151	5755	17.50	16.80	20.17	30.00		3.72		Pass
HT40	MCS0	2	159	5795	17.50	16.60	20.08	30.00		3.72		Pass
VHT20	MCS0	2	149	5745	17.50	16.70	20.13	30.00		3.72		Pass
VHT20	MCS0	2	157	5785	17.70	16.90	20.33	30.00		3.72		Pass
VHT20	MCS0	2	165	5825	17.30	16.60	19.97	30.00		3.72		Pass
VHT40	MCS0	2	151	5755	17.50	16.80	20.17	30.00		3.72		Pass
VHT40	MCS0	2	159	5795	17.50	16.60	20.08	30.00		3.72		Pass
VHT80	MCS0	2	155	5775	17.50	16.60	20.08	30.00		3.72		Pass

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TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	2.22		5.85	4.88	8.86	29.88		6.12		Pass
11a	6Mbps	2	157	5785	2.22		5.70	4.94	8.71	29.88		6.12		Pass
11a	6Mbps	2	165	5825	2.22		5.57	4.81	8.58	29.88		6.12		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	149	5745	Full	18.98	18.88	21.36	21.30	19.15	18.90	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.93	18.93	23.58	21.12	19.05	18.95	0.5	Pass
HE20	MCS0	2	165	5825	Full	18.93	18.88	21.60	21.12	18.85	18.95	0.5	Pass
HE40	MCS0	2	151	5755	Full	38.06	37.96	40.68	40.32	38.07	37.62	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.06	37.96	40.68	40.20	37.89	37.98	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.32	77.32	82.80	82.80	78.24	77.76	0.5	Pass

Report Number : FR2N1906E

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	17.60	16.80	20.23	30.00		3.72		Pass
HE20	MCS0	2	149	5745	26/0	10.00	8.90	12.50	30.00		3.72		Pass
HE20	MCS0	2	149	5745	52/37	13.20	12.50	15.87	30.00		3.72		Pass
HE20	MCS0	2	149	5745	106/53	16.40	15.40	18.94	30.00		3.72		Pass
HE20	MCS0	2	157	5785	Full	17.80	17.00	20.43	30.00		3.72		Pass
HE20	MCS0	2	157	5785	26/4	10.90	9.90	13.44	30.00		3.72		Pass
HE20	MCS0	2	157	5785	52/38	14.10	13.00	16.60	30.00		3.72		Pass
HE20	MCS0	2	157	5785	106/53	16.80	15.90	19.38	30.00		3.72		Pass
HE20	MCS0	2	165	5825	Full	17.40	16.70	20.07	30.00		3.72		Pass
HE20	MCS0	2	165	5825	26/8	9.80	8.70	12.30	30.00		3.72		Pass
HE20	MCS0	2	165	5825	52/40	12.80	11.90	15.38	30.00		3.72		Pass
HE20	MCS0	2	165	5825	106/54	15.80	14.90	18.38	30.00		3.72		Pass
HE40	MCS0	2	151	5755	Full	17.60	16.90	20.27	30.00		3.72		Pass
HE40	MCS0	2	159	5795	Full	17.60	16.70	20.18	30.00		3.72		Pass
HE80	MCS0	2	155	5775	Full	17.60	16.70	20.18	30.00		3.72		Pass

Report Number : FR2N1906E

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	2.22		6.04	5.68	9.05	29.88		6.12		Pass
HE20	MCS0	2	149	5745	26/0	2.22		5.56	4.48	8.57	29.88		6.12		Pass
HE20	MCS0	2	149	5745	52/37	2.22		5.93	5.01	8.94	29.88		6.12		Pass
HE20	MCS0	2	149	5745	106/53	2.22		5.91	4.84	8.92	29.88		6.12		Pass
HE20	MCS0	2	157	5785	Full	2.22		6.74	5.79	9.75	29.88		6.12		Pass
HE20	MCS0	2	157	5785	26/4	2.22		6.56	5.60	9.57	29.88		6.12		Pass
HE20	MCS0	2	157	5785	52/38	2.22		6.67	6.12	9.68	29.88		6.12		Pass
HE20	MCS0	2	157	5785	106/53	2.22		6.60	5.92	9.61	29.88		6.12		Pass
HE20	MCS0	2	165	5825	Full	2.22		5.83	5.17	8.84	29.88		6.12		Pass
HE20	MCS0	2	165	5825	26/8	2.22		5.57	4.59	8.58	29.88		6.12		Pass
HE20	MCS0	2	165	5825	52/40	2.22		5.68	4.85	8.69	29.88		6.12		Pass
HE20	MCS0	2	165	5825	106/54	2.22		5.77	4.71	8.78	29.88		6.12		Pass
HE40	MCS0	2	151	5755	Full	2.22		3.40	2.13	6.41	29.88		6.12		Pass
HE40	MCS0	2	159	5795	Full	2.22		3.50	2.04	6.51	29.88		6.12		Pass
HE80	MCS0	2	155	5775	Full	2.22		0.64	-0.72	3.65	29.88		6.12		Pass

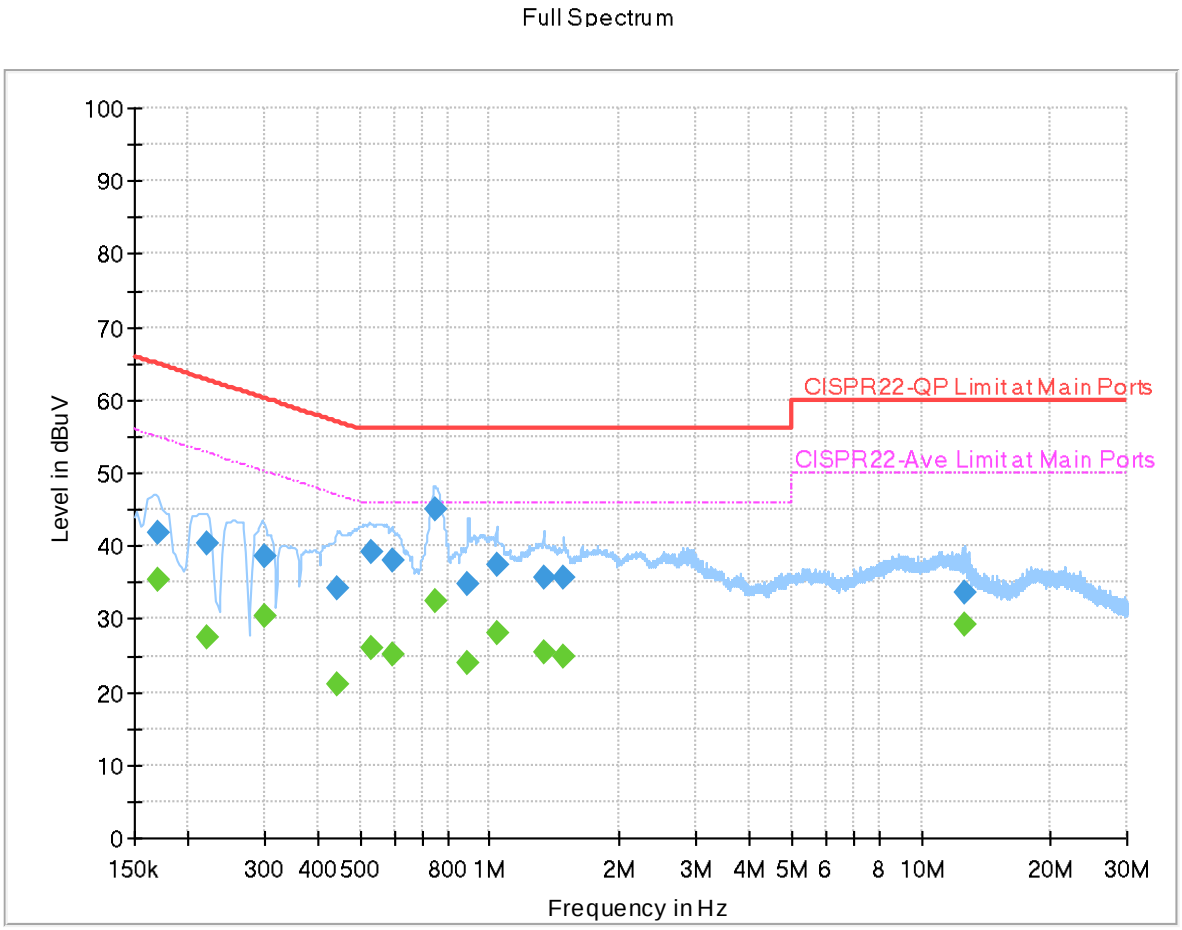
Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.7~26.7℃
		Relative Humidity :	58.2~65.4%

EUT Information

Report NO :	2N1906
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



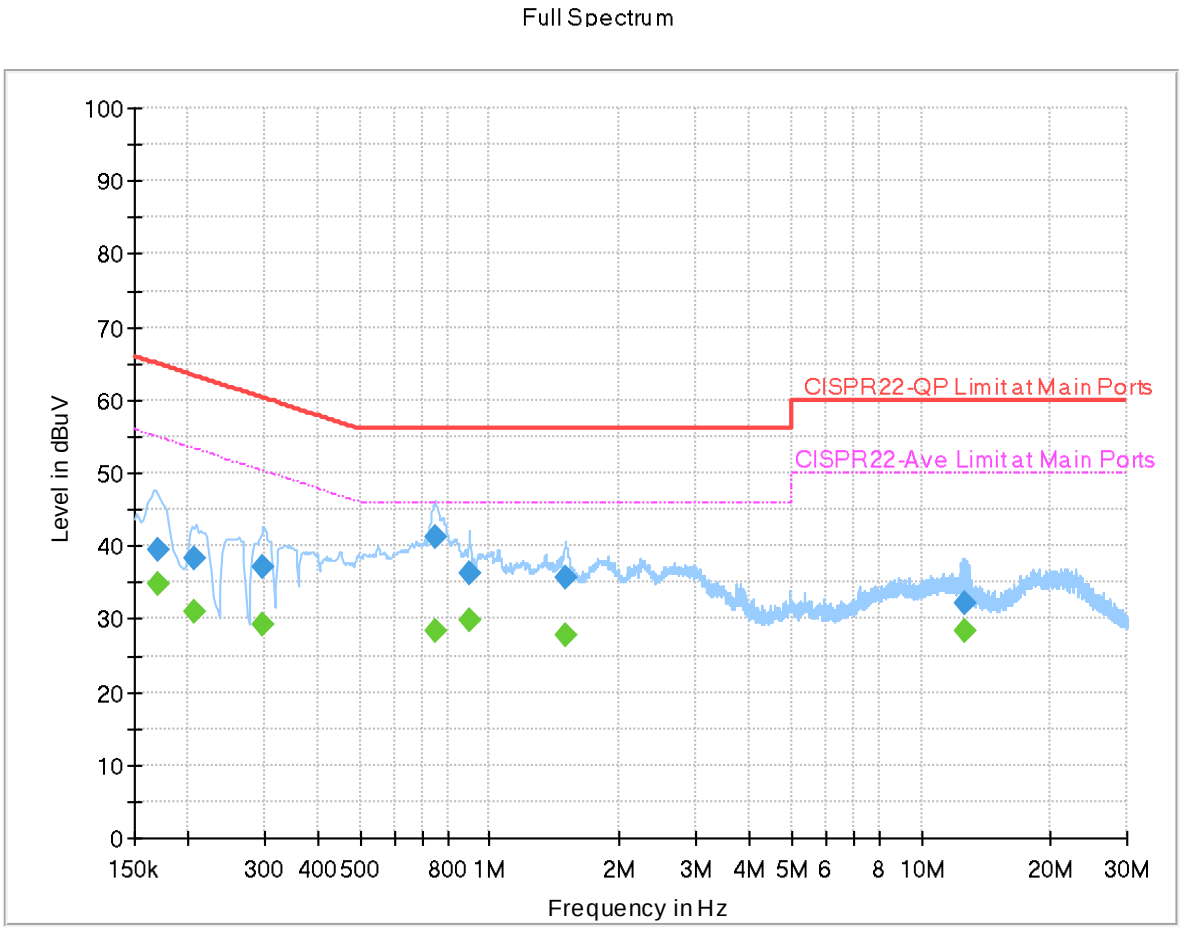
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	35.26	54.95	19.69	L1	OFF	19.9
0.170250	41.73	---	64.95	23.22	L1	OFF	19.9
0.220290	---	27.44	52.81	25.37	L1	OFF	20.0
0.220290	40.38	---	62.81	22.43	L1	OFF	20.0
0.300750	---	30.30	50.22	19.92	L1	OFF	20.0
0.300750	38.60	---	60.22	21.62	L1	OFF	20.0
0.441690	---	21.06	47.03	25.97	L1	OFF	20.0
0.441690	34.11	---	57.03	22.92	L1	OFF	20.0
0.532500	---	25.89	46.00	20.11	L1	OFF	20.0
0.532500	39.05	---	56.00	16.95	L1	OFF	20.0
0.596850	---	25.16	46.00	20.84	L1	OFF	20.0
0.596850	37.95	---	56.00	18.05	L1	OFF	20.0
0.744450	---	32.47	46.00	13.53	L1	OFF	20.0
0.744450	45.09	---	56.00	10.91	L1	OFF	20.0
0.889350	---	24.10	46.00	21.90	L1	OFF	20.0
0.889350	34.88	---	56.00	21.12	L1	OFF	20.0
1.044780	---	28.16	46.00	17.84	L1	OFF	20.0
1.044780	37.37	---	56.00	18.63	L1	OFF	20.0
1.332600	---	25.36	46.00	20.64	L1	OFF	20.0

1.332600	35.71	---	56.00	20.29	L1	OFF	20.0
1.486500	---	24.90	46.00	21.10	L1	OFF	20.0
1.486500	35.55	---	56.00	20.45	L1	OFF	20.0
12.589620	---	29.16	50.00	20.84	L1	OFF	20.1
12.589620	33.70	---	60.00	26.30	L1	OFF	20.1

EUT Information

Report NO :	2N1906
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)
0.169710	---	34.86	54.98	20.12	N	OFF	20.0
0.169710	39.47	---	64.98	25.51	N	OFF	20.0
0.207060	---	31.03	53.32	22.29	N	OFF	20.0
0.207060	38.44	---	63.32	24.88	N	OFF	20.0
0.296700	---	29.35	50.34	20.99	N	OFF	20.0
0.296700	37.17	---	60.34	23.17	N	OFF	20.0
0.750930	---	28.33	46.00	17.67	N	OFF	20.0
0.750930	41.22	---	56.00	14.78	N	OFF	20.0
0.899970	---	29.70	46.00	16.30	N	OFF	20.0
0.899970	36.24	---	56.00	19.76	N	OFF	20.0
1.500000	---	27.72	46.00	18.28	N	OFF	20.0
1.500000	35.79	---	56.00	20.21	N	OFF	20.0
12.589440	---	28.32	50.00	21.68	N	OFF	20.1
12.589440	32.11	---	60.00	27.89	N	OFF	20.1

Appendix C. Radiated Spurious Emission

Test Engineer :	Hao Qun, Gary Guo and Steven Wu	Temperature :	20~25°C
		Relative Humidity :	50~65%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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		5638.2	54.23	-13.97	68.2	39.44	33.05	11.6	29.86	100	5	P	H
		5671	53.97	-29.81	83.78	38.97	33.23	11.64	29.87	100	5	P	H
		5701.2	53.48	-52.06	105.54	38.27	33.41	11.68	29.88	100	5	P	H
		5723.2	54.7	-63.4	118.1	39.35	33.54	11.7	29.89	100	5	P	H
	*	5745	109.29	-	-	93.79	33.67	11.73	29.9	100	5	P	H
	*	5745	102.26	-	-	86.76	33.67	11.73	29.9	100	5	A	H
													H
													H
		5644.2	55.19	-13.01	68.2	40.36	33.08	11.61	29.86	400	307	P	V
		5682	53.94	-37.98	91.92	38.87	33.29	11.65	29.87	400	307	P	V
		5713.2	54.1	-54.8	108.9	38.82	33.48	11.69	29.89	400	307	P	V
		5724.4	53.52	-67.31	120.83	38.15	33.55	11.71	29.89	400	307	P	V
	*	5745	107.95	-	-	92.45	33.67	11.73	29.9	400	307	P	V
	*	5745	101.44	-	-	85.94	33.67	11.73	29.9	400	307	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 157 5785MHz		5646.8	53.49	-14.71	68.2	38.65	33.09	11.61	29.86	103	5	P	H
		5681.4	54.98	-36.49	91.47	39.91	33.29	11.65	29.87	103	5	P	H
		5718.8	53.33	-57.13	110.46	38.01	33.51	11.7	29.89	103	5	P	H
		5724.2	53.93	-66.45	120.38	38.56	33.55	11.71	29.89	103	5	P	H
	*	5785	108.11	-	-	92.4	33.84	11.78	29.91	103	5	P	H
	*	5785	102.22	-	-	86.51	33.84	11.78	29.91	103	5	A	H
		5852.8	54.55	-61.27	115.82	38.64	34.01	11.84	29.94	103	5	P	H
		5867.6	53.99	-53.28	107.27	38.02	34.07	11.85	29.95	103	5	P	H
		5917.4	54.8	-19	73.8	38.68	34.2	11.89	29.97	103	5	P	H
		5932.8	54.63	-13.57	68.2	38.5	34.2	11.9	29.97	103	5	P	H
													H
													H
		5649.2	52.87	-15.33	68.2	38.02	33.1	11.61	29.86	396	307	P	V
		5662.6	53.65	-23.9	77.55	38.71	33.18	11.63	29.87	396	307	P	V
		5702.8	53.27	-52.72	105.99	38.05	33.42	11.68	29.88	396	307	P	V
		5724.6	54.46	-66.83	121.29	39.09	33.55	11.71	29.89	396	307	P	V
	*	5785	107.51	-	-	91.8	33.84	11.78	29.91	396	307	P	V
	*	5785	100.79	-	-	85.08	33.84	11.78	29.91	396	307	A	V
		5852.2	53.11	-64.07	117.18	37.2	34.01	11.84	29.94	396	307	P	V
		5866	54.88	-52.84	107.72	38.92	34.06	11.85	29.95	396	307	P	V
		5916	54.28	-20.56	74.84	38.16	34.2	11.89	29.97	396	307	P	V
		5926.4	54.09	-14.11	68.2	37.97	34.2	11.89	29.97	396	307	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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	109.07	-	-	93.23	33.95	11.82	29.93	113	359	P	H
	*	5825	102.21	-	-	86.37	33.95	11.82	29.93	113	359	A	H
		5850	53.68	-68.52	122.2	37.78	34	11.84	29.94	113	359	P	H
		5858.6	54.27	-55.52	109.79	38.34	34.03	11.84	29.94	113	359	P	H
		5895.6	54.73	-35.19	89.92	38.64	34.18	11.87	29.96	113	359	P	H
		5936.6	55.29	-12.91	68.2	39.16	34.2	11.9	29.97	113	359	P	H
													H
802.11a													H
CH 165	*	5825	105.32	-	-	89.48	33.95	11.82	29.93	400	47	P	V
5825MHz	*	5825	98.64	-	-	82.8	33.95	11.82	29.93	400	47	A	V
		5851	53.59	-66.33	119.92	37.69	34	11.84	29.94	400	47	P	V
		5861.6	53.83	-55.12	108.95	37.87	34.05	11.85	29.94	400	47	P	V
		5880.6	55.6	-45.44	101.04	39.57	34.12	11.86	29.95	400	47	P	V
		5932.4	54.14	-14.06	68.2	38.01	34.2	11.9	29.97	400	47	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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	47.23	-26.77	74	57.6	39	17.1	66.47	-	-	P	H
		17235	48.02	-20.18	68.2	54.66	38.2	21.32	66.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	46.83	-27.17	74	57.2	39	17.1	66.47	-	-	P	V
		17235	47.75	-20.45	68.2	54.39	38.2	21.32	66.16	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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 157 5785MHz		11570	46.98	-27.02	74	57.39	38.86	17.16	66.43	-	-	P	H
		17355	47.3	-20.9	68.2	53.4	38.52	21.38	66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	47.26	-26.74	74	57.67	38.86	17.16	66.43	-	-	P	V
		17355	47.85	-20.35	68.2	53.95	38.52	21.38	66	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 165 5825MHz		11650	47.7	-26.3	74	58.26	38.6	17.22	66.38	-	-	P	H
		17475	48.61	-19.59	68.2	54.25	38.75	21.44	65.83	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11650	47.93	-26.07	74	58.49	38.6	17.22	66.38	-	-	P	V
		17475	48.76	-19.44	68.2	54.4	38.75	21.44	65.83	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5613	53.71	-14.49	68.2	39.04	32.95	11.57	29.85	100	6	P	H
		5650.2	54.62	-13.73	68.35	39.77	33.1	11.61	29.86	100	6	P	H
		5719.4	53.68	-56.95	110.63	38.35	33.52	11.7	29.89	100	6	P	H
		5725	54.9	-67.3	122.2	39.53	33.55	11.71	29.89	100	6	P	H
	*	5745	108.67	-	-	93.17	33.67	11.73	29.9	100	6	P	H
	*	5745	101.67	-	-	86.17	33.67	11.73	29.9	100	6	A	H
802.11ax													H
HE20 Full													H
CH 149		5619.6	53.03	-15.17	68.2	38.33	32.98	11.57	29.85	400	306	P	V
5745MHz		5666	53.56	-26.52	80.08	38.6	33.2	11.63	29.87	400	306	P	V
		5711.2	54.47	-53.87	108.34	39.19	33.47	11.69	29.88	400	306	P	V
		5724.6	54.15	-67.14	121.29	38.78	33.55	11.71	29.89	400	306	P	V
	*	5745	108.16	-	-	92.66	33.67	11.73	29.9	400	306	P	V
	*	5745	100.71	-	-	85.21	33.67	11.73	29.9	400	306	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5628.6	53.56	-14.64	68.2	38.81	33.01	11.59	29.85	107	0	P	H
		5684.4	54.47	-39.22	93.69	39.37	33.31	11.66	29.87	107	0	P	H
		5717.6	53.04	-57.09	110.13	37.72	33.51	11.7	29.89	107	0	P	H
		5721.4	53.09	-60.9	113.99	37.75	33.53	11.7	29.89	107	0	P	H
	*	5785	109.93	-	-	94.22	33.84	11.78	29.91	107	0	P	H
	*	5785	102.34	-	-	86.63	33.84	11.78	29.91	107	0	A	H
		5853.6	53.1	-60.89	113.99	37.19	34.01	11.84	29.94	107	0	P	H
		5868.4	54.61	-52.44	107.05	38.64	34.07	11.85	29.95	107	0	P	H
		5907	54.3	-27.18	81.48	38.18	34.2	11.88	29.96	107	0	P	H
		5925.6	54.58	-13.62	68.2	38.46	34.2	11.89	29.97	107	0	P	H
802.11ax													H
HE20 Full													H
CH 157		5613.4	53.31	-14.89	68.2	38.64	32.95	11.57	29.85	397	307	P	V
5785MHz		5672.6	53.79	-31.17	84.96	38.78	33.24	11.64	29.87	397	307	P	V
		5702	53.12	-52.64	105.76	37.91	33.41	11.68	29.88	397	307	P	V
		5720.2	52.79	-58.47	111.26	37.46	33.52	11.7	29.89	397	307	P	V
	*	5785	110.64	-	-	94.93	33.84	11.78	29.91	397	307	P	V
	*	5785	101.4	-	-	85.69	33.84	11.78	29.91	397	307	A	V
		5853.6	53.52	-60.47	113.99	37.61	34.01	11.84	29.94	397	307	P	V
		5865.2	53.53	-54.41	107.94	37.57	34.06	11.85	29.95	397	307	P	V
		5922.2	54.79	-15.47	70.26	38.67	34.2	11.89	29.97	397	307	P	V
		5945.8	54.32	-13.88	68.2	38.19	34.2	11.91	29.98	397	307	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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	109.58	-	-	93.74	33.95	11.82	29.93	115	0	P	H
	*	5825	101.97	-	-	86.13	33.95	11.82	29.93	115	0	A	H
		5852.4	54.23	-62.5	116.73	38.32	34.01	11.84	29.94	115	0	P	H
		5869	55.5	-51.38	106.88	39.52	34.08	11.85	29.95	115	0	P	H
		5896.2	54.58	-34.89	89.47	38.49	34.18	11.87	29.96	115	0	P	H
		5940.4	53.62	-14.58	68.2	37.49	34.2	11.91	29.98	115	0	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	106.68	-	-	90.84	33.95	11.82	29.93	389	297	P	V
5825MHz	*	5825	99.87	-	-	84.03	33.95	11.82	29.93	389	297	A	V
		5853.4	54.21	-60.24	114.45	38.3	34.01	11.84	29.94	389	297	P	V
		5856.6	54.28	-56.07	110.35	38.35	34.03	11.84	29.94	389	297	P	V
		5883	54.97	-44.29	99.26	38.93	34.13	11.86	29.95	389	297	P	V
		5929	55.07	-13.13	68.2	38.94	34.2	11.9	29.97	389	297	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	47.54	-26.46	74	57.91	39	17.1	66.47	-	-	P	H
		17235	48.3	-19.9	68.2	54.94	38.2	21.32	66.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		11490	46.95	-27.05	74	57.32	39	17.1	66.47	-	-	P	V
5745MHz		17235	47.14	-21.06	68.2	53.78	38.2	21.32	66.16	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	47.19	-26.81	74	57.6	38.86	17.16	66.43	-	-	P	H
		17355	47.17	-21.03	68.2	53.27	38.52	21.38	66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	47.22	-26.78	74	57.63	38.86	17.16	66.43	-	-	P	V
5785MHz		17355	48.05	-20.15	68.2	54.15	38.52	21.38	66	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11650	47.71	-26.29	74	58.27	38.6	17.22	66.38	-	-	P	H
		17475	48.07	-20.13	68.2	53.71	38.75	21.44	65.83	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 165		11650	46.87	-27.13	74	57.43	38.6	17.22	66.38	-	-	P	V
5825MHz		17475	47.93	-20.27	68.2	53.57	38.75	21.44	65.83	-	-	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 106 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5640.4	53.84	-14.36	68.2	39.04	33.06	11.6	29.86	170	360	P	H
		5674	54.81	-31.19	86	39.8	33.24	11.64	29.87	170	360	P	H
		5704.6	54.97	-51.52	106.49	39.74	33.43	11.68	29.88	170	360	P	H
		5722.8	55.13	-62.05	117.18	39.78	33.54	11.7	29.89	170	360	P	H
	*	5745	108.68	-	-	93.18	33.67	11.73	29.9	170	360	P	H
	*	5745	101.32	-	-	85.82	33.67	11.73	29.9	170	360	A	H
													H
													H
		5612.6	54.55	-13.65	68.2	39.88	32.95	11.57	29.85	306	312	P	V
		5699	54.86	-49.6	104.46	39.68	33.39	11.67	29.88	306	312	P	V
		5704.6	54.68	-51.81	106.49	39.45	33.43	11.68	29.88	306	312	P	V
		5721.2	53.55	-59.99	113.54	38.21	33.53	11.7	29.89	306	312	P	V
	*	5745	108.85	-	-	93.35	33.67	11.73	29.9	306	312	P	V
	*	5745	101.3	-	-	85.8	33.67	11.73	29.9	306	312	A	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 165 5825MHz	*	5825	109.44	-	-	93.6	33.95	11.82	29.93	130	359	P	H
	*	5825	100.69	-	-	84.85	33.95	11.82	29.93	130	359	A	H
		5853	54.96	-60.4	115.36	39.05	34.01	11.84	29.94	130	359	P	H
		5872.8	55.73	-50.09	105.82	39.74	34.09	11.85	29.95	130	359	P	H
		5908.8	54.86	-25.29	80.15	38.74	34.2	11.88	29.96	130	359	P	H
		5929.6	54.94	-13.26	68.2	38.81	34.2	11.9	29.97	130	359	P	H
													H
													H
	*	5825	107.24	-	-	91.4	33.95	11.82	29.93	329	324	P	V
	*	5825	100.11	-	-	84.27	33.95	11.82	29.93	329	324	A	V
		5852.2	54.76	-62.42	117.18	38.85	34.01	11.84	29.94	329	324	P	V
		5857.8	56.56	-53.45	110.01	40.63	34.03	11.84	29.94	329	324	P	V
		5891.6	55.86	-37.02	92.88	39.78	34.17	11.87	29.96	329	324	P	V
		5943.4	55.85	-12.35	68.2	39.72	34.2	11.91	29.98	329	324	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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)
		5623.4	53.31	-14.89	68.2	38.59	32.99	11.58	29.85	100	6	P	H
		5699	53.87	-50.59	104.46	38.69	33.39	11.67	29.88	100	6	P	H
		5719.4	54.29	-56.34	110.63	38.96	33.52	11.7	29.89	100	6	P	H
		5720.8	54.87	-57.75	112.62	39.54	33.52	11.7	29.89	100	6	P	H
	*	5755	106.93	-	-	91.37	33.72	11.74	29.9	100	6	P	H
	*	5755	98.98	-	-	83.42	33.72	11.74	29.9	100	6	A	H
		5852	53.16	-64.48	117.64	37.25	34.01	11.84	29.94	100	6	P	H
		5860.6	54.25	-54.98	109.23	38.3	34.04	11.85	29.94	100	6	P	H
		5914.8	54.91	-20.81	75.72	38.79	34.2	11.89	29.97	100	6	P	H
		5927.2	54.17	-14.03	68.2	38.04	34.2	11.9	29.97	100	6	P	H
802.11ax													H
HE40 Full													H
CH 151		5625.4	53.26	-14.94	68.2	38.53	33	11.58	29.85	400	297	P	V
5755MHz		5689	53.66	-43.43	97.09	38.55	33.33	11.66	29.88	400	297	P	V
		5718.8	54.33	-56.13	110.46	39.01	33.51	11.7	29.89	400	297	P	V
		5724.6	54.98	-66.31	121.29	39.61	33.55	11.71	29.89	400	297	P	V
	*	5755	105.1	-	-	89.54	33.72	11.74	29.9	400	297	P	V
	*	5755	97.87	-	-	82.31	33.72	11.74	29.9	400	297	A	V
		5852.2	53.05	-64.13	117.18	37.14	34.01	11.84	29.94	400	297	P	V
		5858.6	54.23	-55.56	109.79	38.3	34.03	11.84	29.94	400	297	P	V
		5891.6	55.49	-37.39	92.88	39.41	34.17	11.87	29.96	400	297	P	V
		5930.6	53.85	-14.35	68.2	37.72	34.2	11.9	29.97	400	297	P	V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5633.6	54.51	-13.69	68.2	39.74	33.03	11.59	29.85	116	0	P	H
		5657.6	54.45	-19.4	73.85	39.54	33.15	11.62	29.86	116	0	P	H
		5709.8	54.24	-53.71	107.95	38.97	33.46	11.69	29.88	116	0	P	H
		5724.8	54.28	-67.46	121.74	38.91	33.55	11.71	29.89	116	0	P	H
	*	5795	106.62	-	-	90.87	33.88	11.79	29.92	116	0	P	H
	*	5795	99.35	-	-	83.6	33.88	11.79	29.92	116	0	A	H
		5852.4	53.75	-62.98	116.73	37.84	34.01	11.84	29.94	116	0	P	H
		5859	54.29	-55.39	109.68	38.35	34.04	11.84	29.94	116	0	P	H
		5883.4	55.41	-43.55	98.96	39.37	34.13	11.86	29.95	116	0	P	H
		5929.6	53.67	-14.53	68.2	37.54	34.2	11.9	29.97	116	0	P	H
802.11ax													H
HE40 Full													H
CH 159		5631.2	54.09	-14.11	68.2	39.33	33.02	11.59	29.85	395	306	P	V
5795MHz		5673.8	53.25	-32.6	85.85	38.24	33.24	11.64	29.87	395	306	P	V
		5714.8	53.49	-55.86	109.35	38.2	33.49	11.69	29.89	395	306	P	V
		5724.8	53.47	-68.27	121.74	38.1	33.55	11.71	29.89	395	306	P	V
	*	5795	106.15	-	-	90.4	33.88	11.79	29.92	395	306	P	V
	*	5795	97.89	-	-	82.14	33.88	11.79	29.92	395	306	A	V
		5852	53.39	-64.25	117.64	37.48	34.01	11.84	29.94	395	306	P	V
		5874.4	54	-51.37	105.37	37.99	34.1	11.86	29.95	395	306	P	V
		5913.2	56.04	-20.86	76.9	39.93	34.2	11.88	29.97	395	306	P	V
		5950	54.3	-13.9	68.2	38.17	34.2	11.91	29.98	395	306	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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	47.96	-26.04	74	58.34	38.98	17.11	66.47	-	-	P	H
		17265	47.31	-20.89	68.2	53.87	38.23	21.33	66.12	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	47.9	-26.1	74	58.28	38.98	17.11	66.47	-	-	P	V
5755MHz		17265	47.32	-20.88	68.2	53.88	38.23	21.33	66.12	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11590	47.02	-26.98	74	57.44	38.82	17.18	66.42	-	-	P	H
		17385	48.02	-20.18	68.2	53.94	38.64	21.4	65.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	47.13	-26.87	74	57.55	38.82	17.18	66.42	-	-	P	V
5795MHz		17385	48.28	-19.92	68.2	54.2	38.64	21.4	65.96	-	-	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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)
		5614.8	53.57	-14.63	68.2	38.89	32.96	11.57	29.85	100	5	P	H
		5697.8	55.18	-48.4	103.58	40	33.39	11.67	29.88	100	5	P	H
		5718.2	54.98	-55.32	110.3	39.66	33.51	11.7	29.89	100	5	P	H
		5724.6	54.59	-66.7	121.29	39.22	33.55	11.71	29.89	100	5	P	H
	*	5775	104.59	-	-	88.93	33.8	11.77	29.91	100	5	P	H
	*	5775	96	-	-	80.34	33.8	11.77	29.91	100	5	A	H
		5853	55.71	-59.65	115.36	39.8	34.01	11.84	29.94	100	5	P	H
		5855.6	55.3	-55.33	110.63	39.38	34.02	11.84	29.94	100	5	P	H
		5884.8	55.67	-42.25	97.92	39.62	34.14	11.86	29.95	100	5	P	H
		5931	54.4	-13.8	68.2	38.27	34.2	11.9	29.97	100	5	P	H
802.11ax													H
HE80 Full													H
CH 155		5632.4	52.64	-15.56	68.2	37.87	33.03	11.59	29.85	400	308	P	V
5775MHz		5699.2	55.07	-49.54	104.61	39.88	33.4	11.67	29.88	400	308	P	V
		5704.4	54.01	-52.42	106.43	38.78	33.43	11.68	29.88	400	308	P	V
		5723	53.72	-63.92	117.64	38.37	33.54	11.7	29.89	400	308	P	V
	*	5775	102.41	-	-	86.75	33.8	11.77	29.91	400	308	P	V
	*	5775	94.57	-	-	78.91	33.8	11.77	29.91	400	308	A	V
		5853.6	53.6	-60.39	113.99	37.69	34.01	11.84	29.94	400	308	P	V
		5858.4	55.3	-54.55	109.85	39.37	34.03	11.84	29.94	400	308	P	V
		5923.8	54.12	-14.96	69.08	38	34.2	11.89	29.97	400	308	P	V
		5937.4	54.54	-13.66	68.2	38.41	34.2	11.9	29.97	400	308	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	47.58	-26.42	74	57.97	38.9	17.15	66.44	-	-	P	H
		17325	47.13	-21.07	68.2	53.4	38.4	21.37	66.04	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	46.93	-27.07	74	57.32	38.9	17.15	66.44	-	-	P	V
5775MHz		17325	47.23	-20.97	68.2	53.5	38.4	21.37	66.04	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Emission above 18GHz

WIFI 802.11a (SHF @ 1m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a SHF		35336	43.87	-30.13	74	61.36	42.38	-1.14	58.73	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		32476	45.66	-28.34	74	63.39	40.72	-1.35	57.1	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11a (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 LF		87.78	31.94	-8.06	40	48.38	14.46	1.39	32.29	-	-	P	H
		135.3	34.11	-9.39	43.5	47.09	17.51	1.79	32.28	-	-	P	H
		218.73	27.67	-18.33	46	42.51	15.22	2.26	32.32	-	-	P	H
		365.1	27.82	-18.18	46	36.45	20.85	2.93	32.41	-	-	P	H
		542.2	31.45	-14.55	46	36.31	24.14	3.59	32.59	-	-	P	H
		947.5	32.7	-13.3	46	29.13	30.13	4.8	31.36	-	-	P	H
													H
													H
													H
													H
													H
													H
		51.06	33.94	-6.06	40	51.52	13.8	0.91	32.29	-	-	P	V
		152.85	33.29	-10.21	43.5	46.67	17	1.9	32.28	-	-	P	V
		261.39	22.02	-23.98	46	31.88	19.99	2.49	32.34	-	-	P	V
		526.1	30.3	-15.7	46	35.58	23.77	3.53	32.58	-	-	P	V
		541.5	36.32	-9.68	46	41.24	24.08	3.59	32.59	-	-	P	V
		894.3	34.16	-11.84	46	32.73	28.54	4.66	31.77	-	-	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 **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5650	55.45	-12.75	68.2	54.51	32.22	4.58	35.86	103	308	P	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 68.2(dBμV/m)

= -12.75 (dB)

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

Appendix D. Radiated Spurious Emission Plots

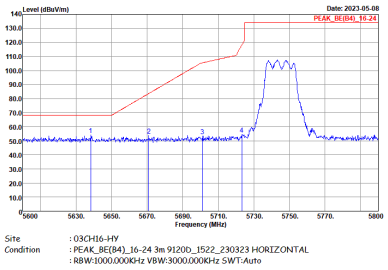
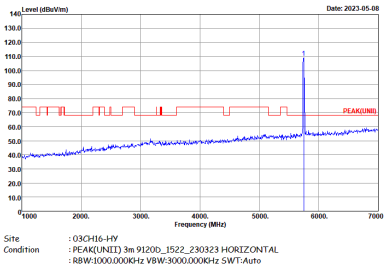
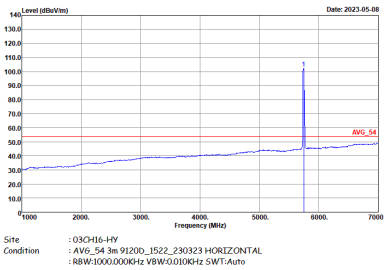
Test Engineer :	Hao Qun, Gary Guo and Steven Wu	**Temperature :**	20~25°C
		Relative Humidity :	50~65%

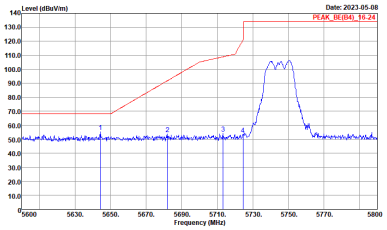
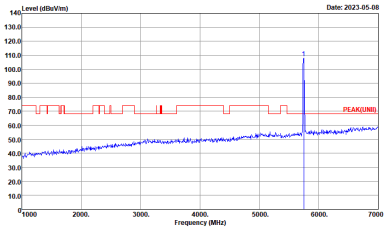
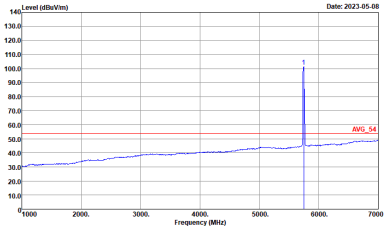
Note symbol

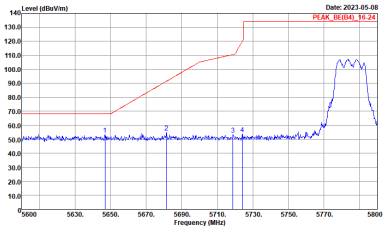
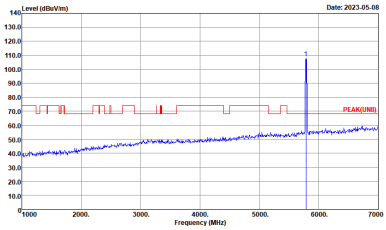
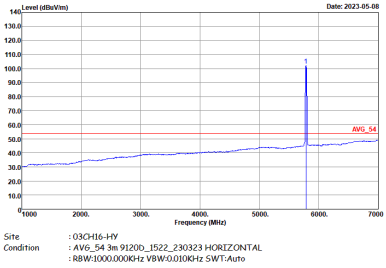
-L	**Low channel location**
-R	**High channel location**

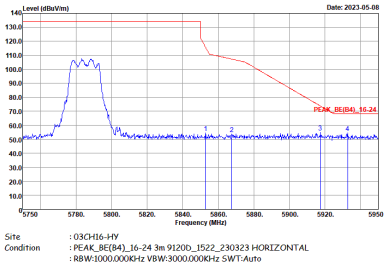
Band 4 - 5725~5850MHz

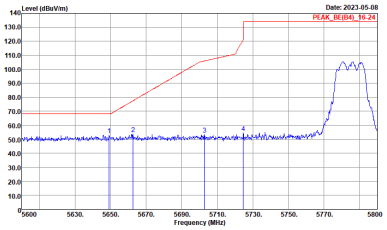
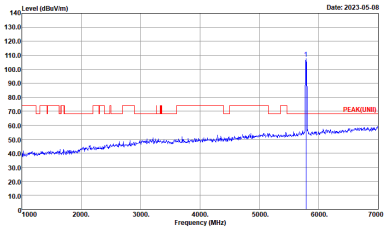
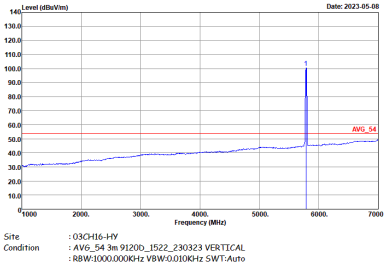
WIFI 802.11a (Band Edge @ 3m)

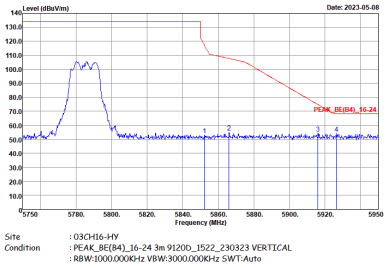
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

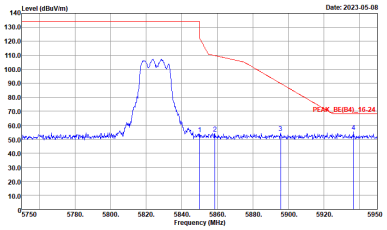
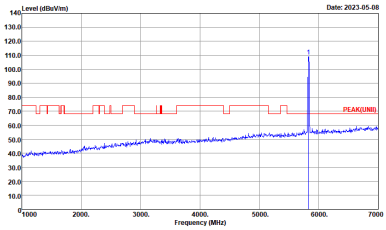
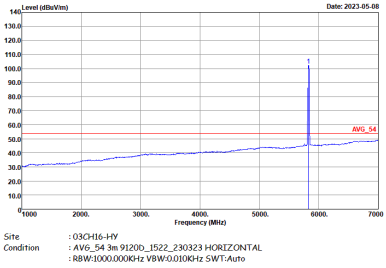
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E(84)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

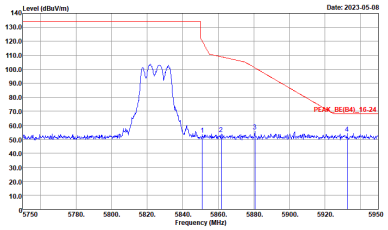
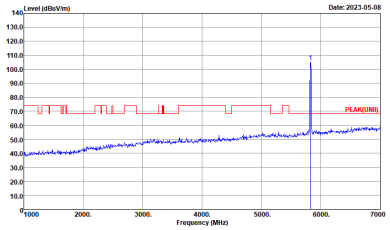
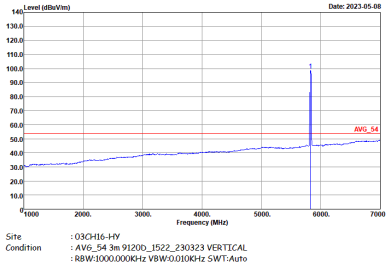
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

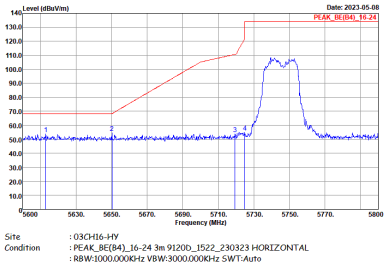
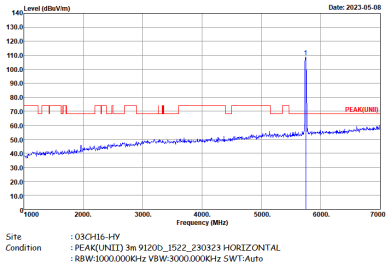
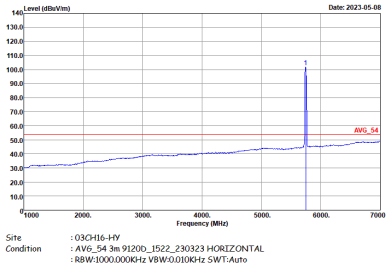
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		Left blank

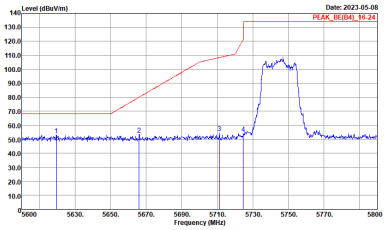
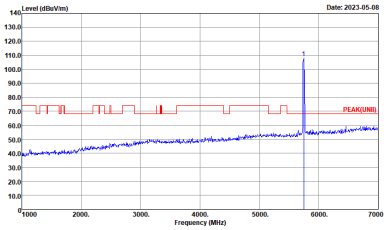
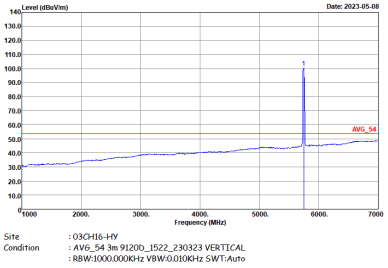
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

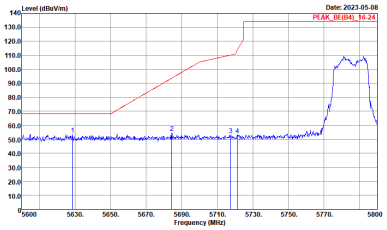
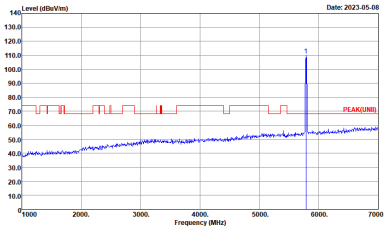
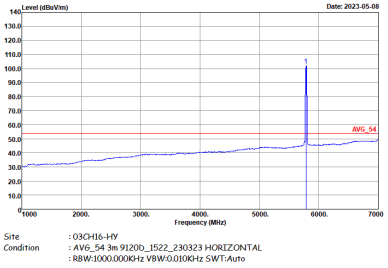
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

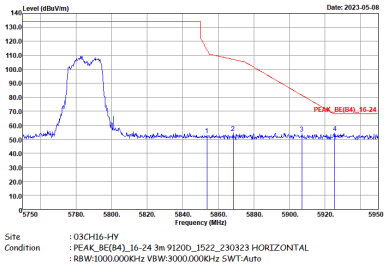
Band 4 5725~5850MHz

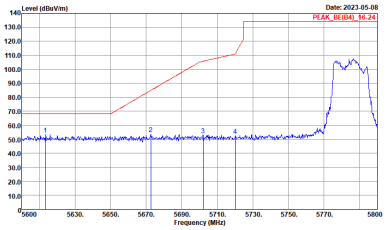
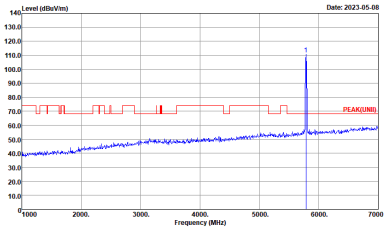
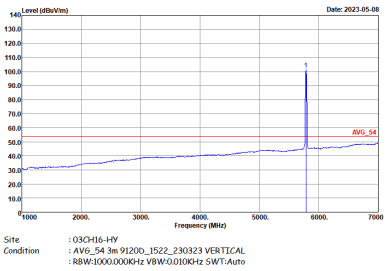
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

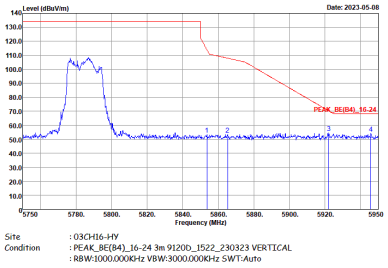
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

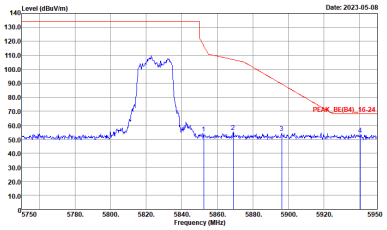
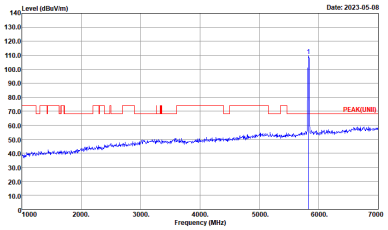
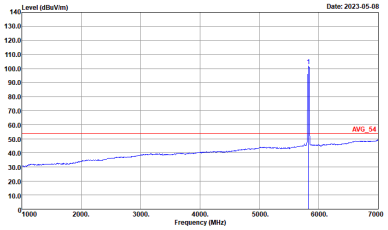
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

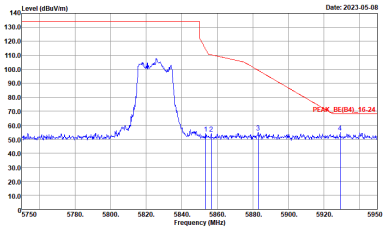
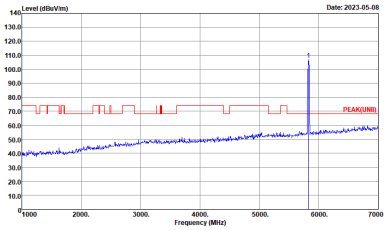
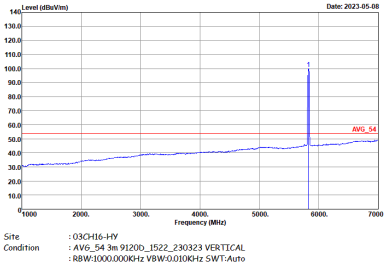
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

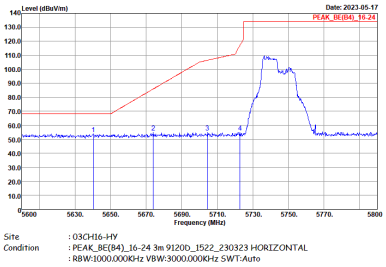
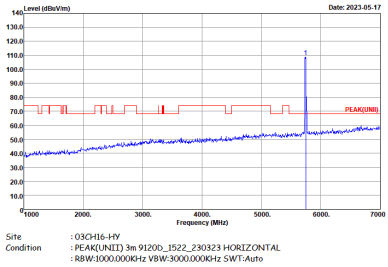
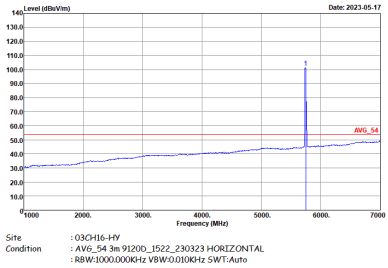
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Vertical	Fundamental
Peak		Left blank

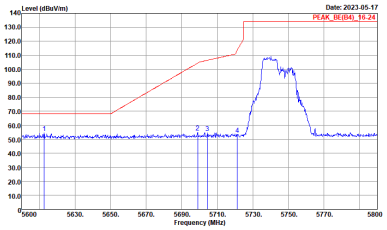
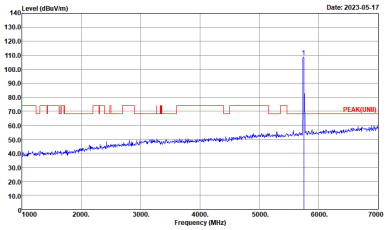
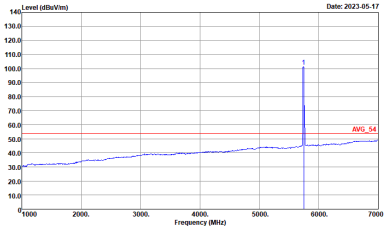
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E(B4)_16-24 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

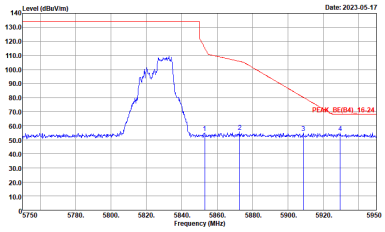
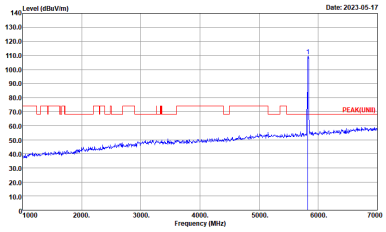
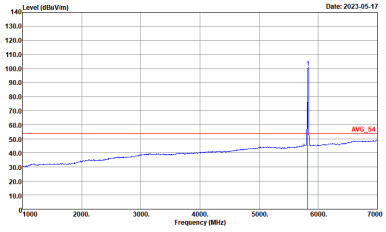
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

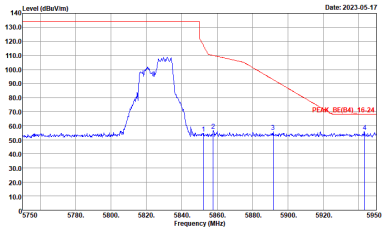
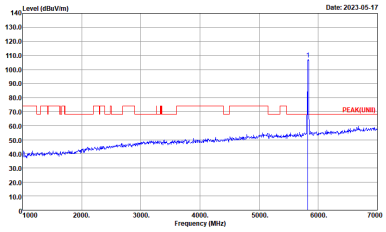
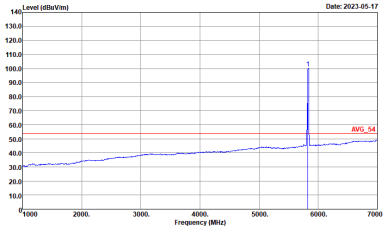
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

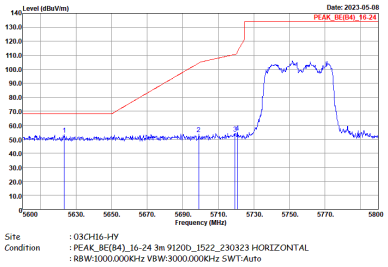
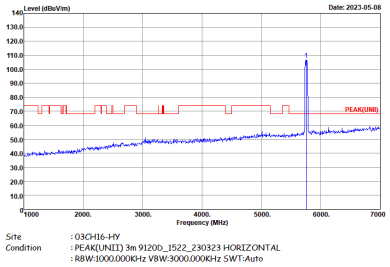
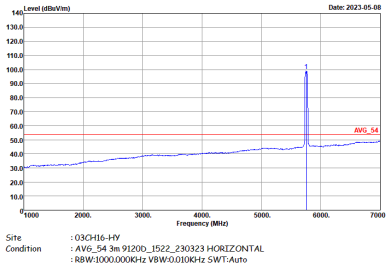
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E(84)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

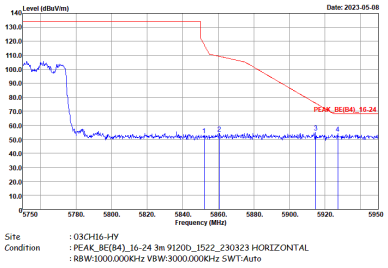
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

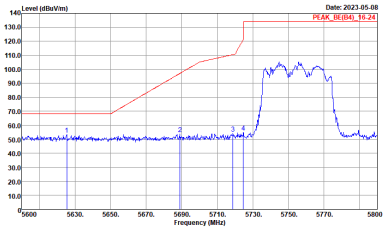
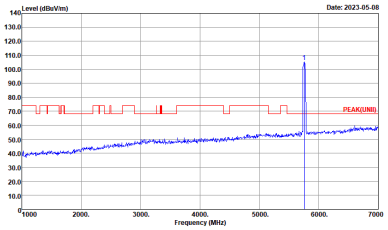
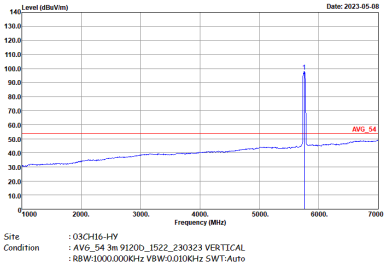
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

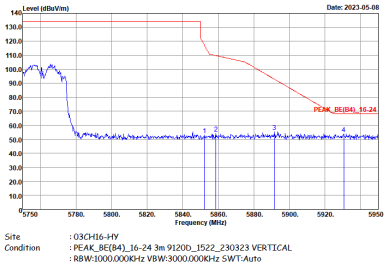
Band 4 5725~5850MHz

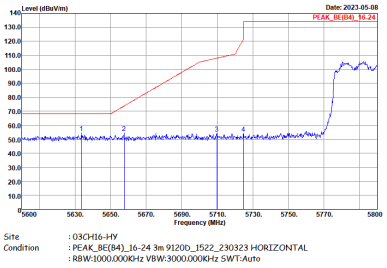
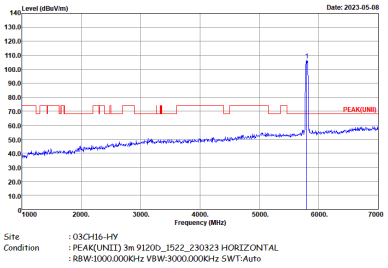
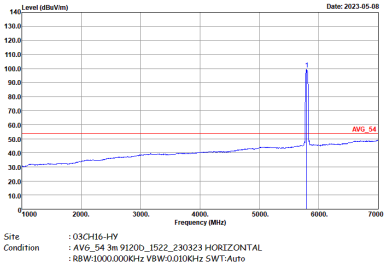
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

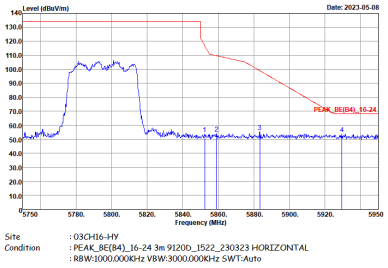
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

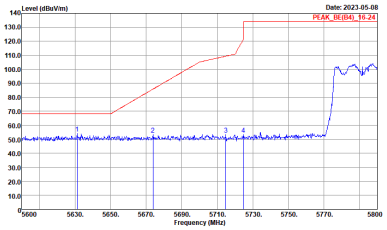
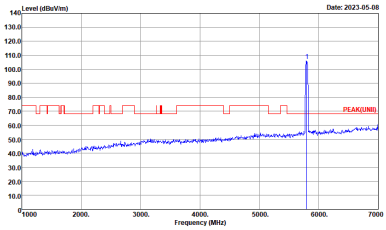
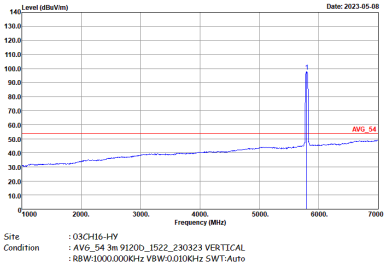
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak		Left blank

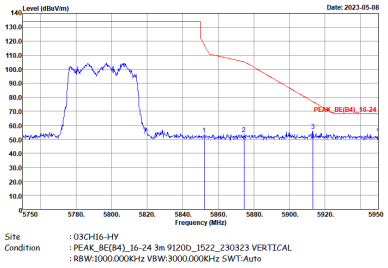
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Vertical	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

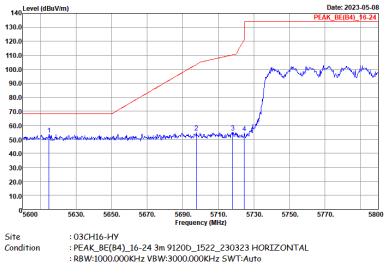
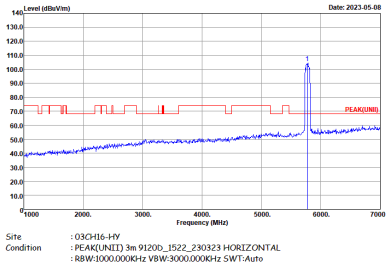
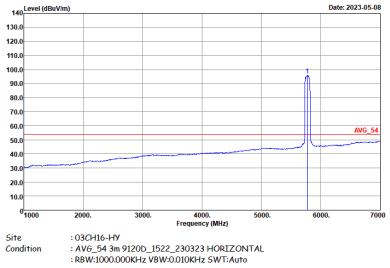
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak		Left blank

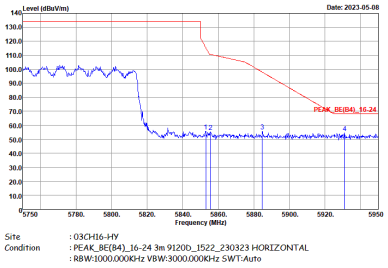
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2	Vertical	Fundamental
Peak		
Avg	Left blank	

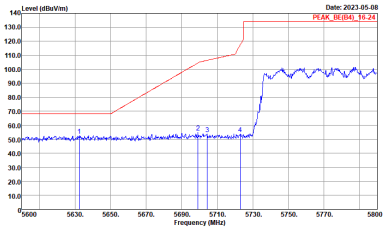
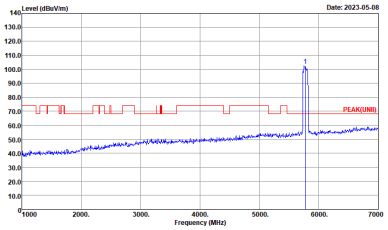
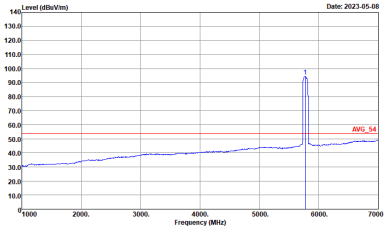
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2	Vertical	Fundamental
Peak		Left blank

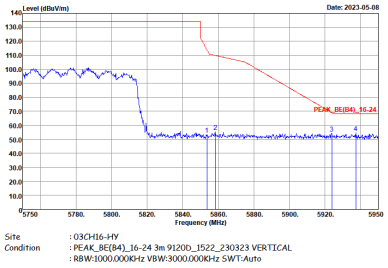
Band 4 5725~5850MHz

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		
Avg	Left blank	

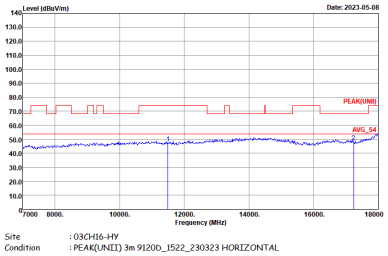
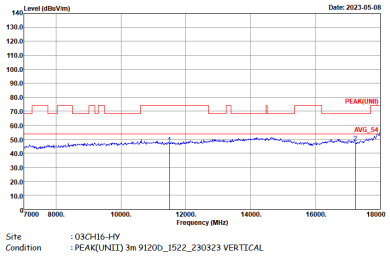
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak		Left blank

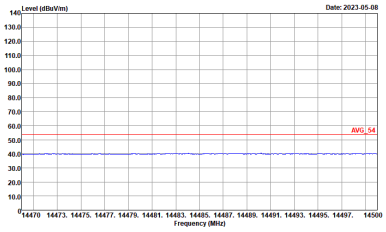
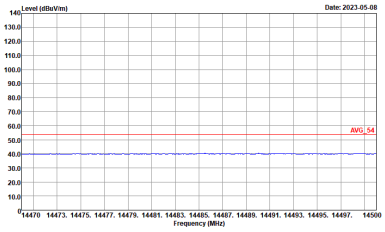
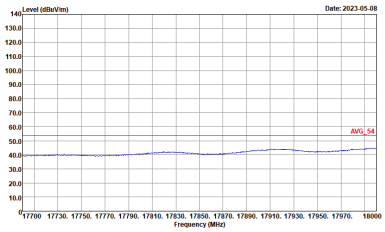
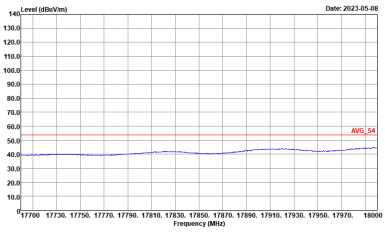
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E(84)_16-24 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

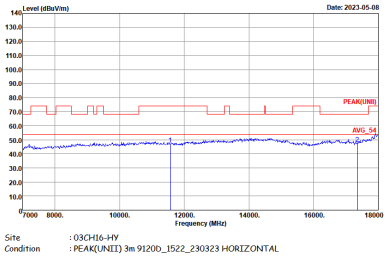
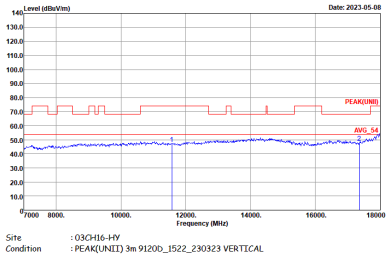
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Vertical	Fundamental
Peak		Left blank

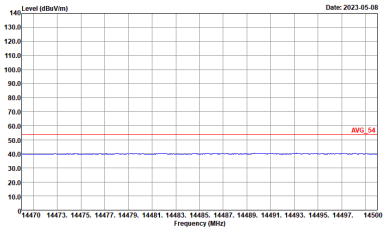
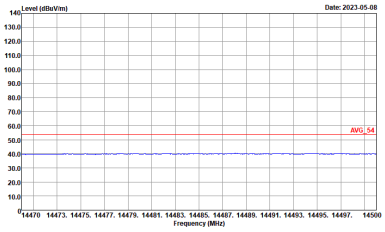
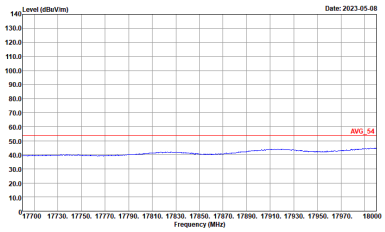
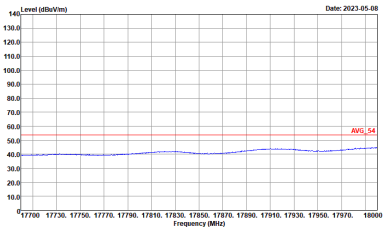
Band 4 - 5725~5850MHz

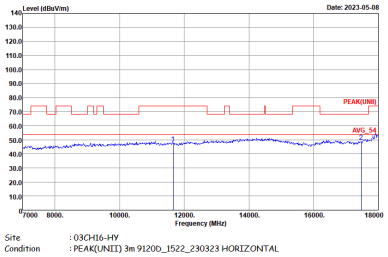
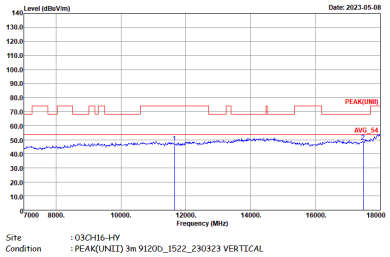
WIFI 802.11a (Harmonic @ 3m)

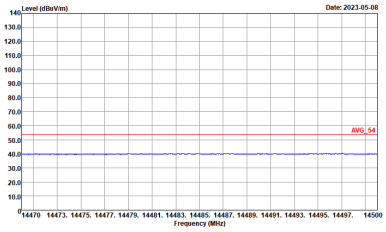
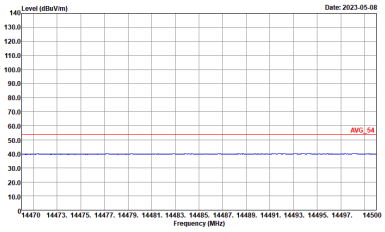
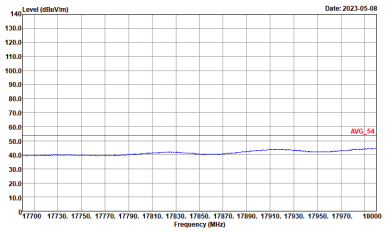
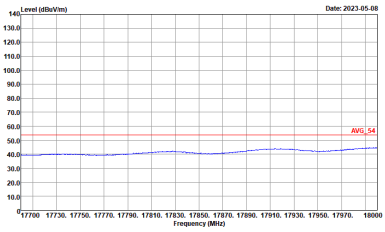
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.		

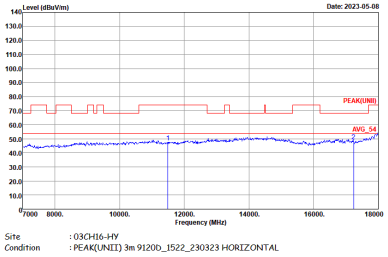
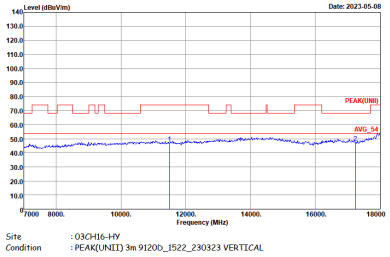
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

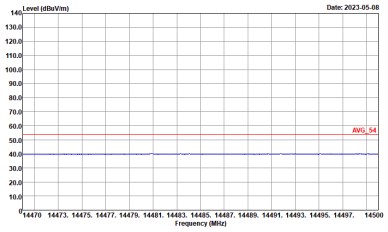
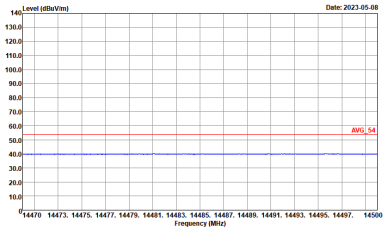
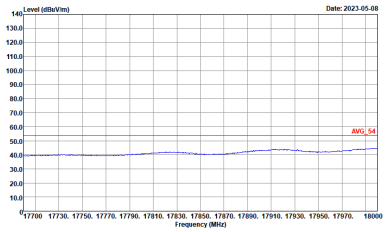
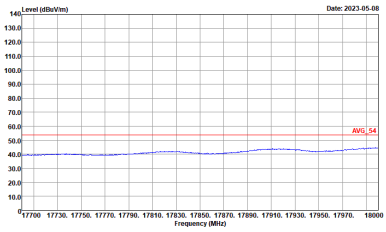
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.		

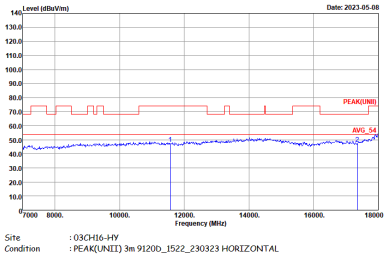
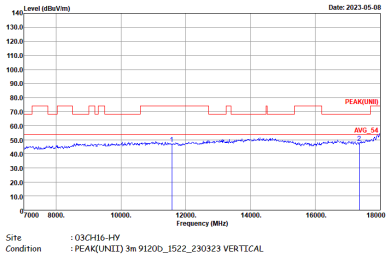
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

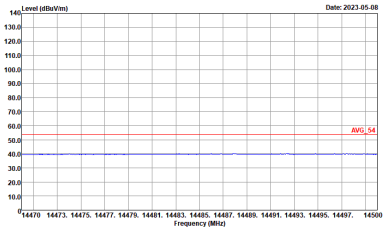
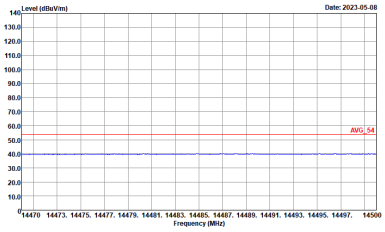
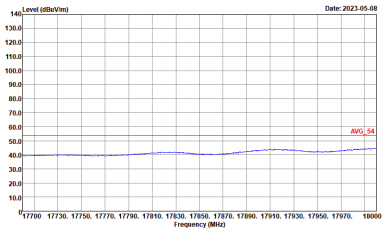
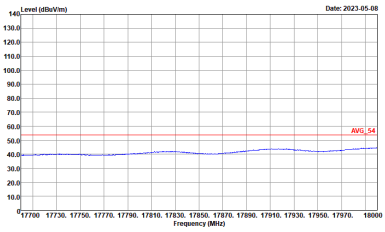
Band 4 5725~5850MHz

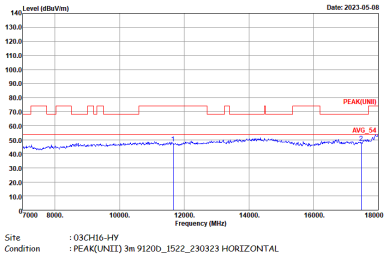
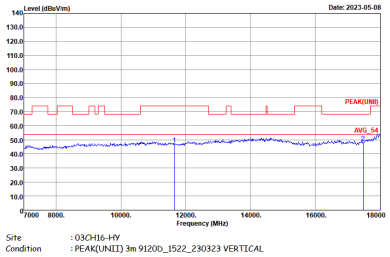
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

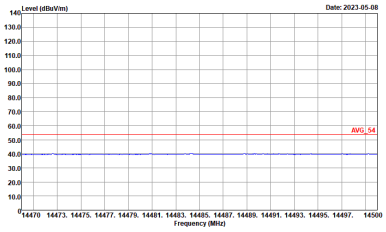
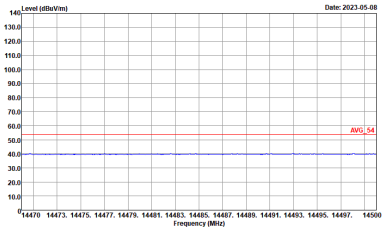
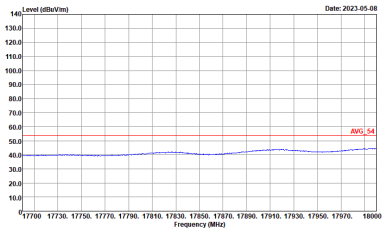
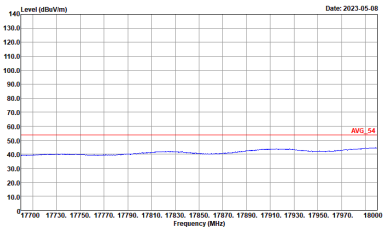
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.		

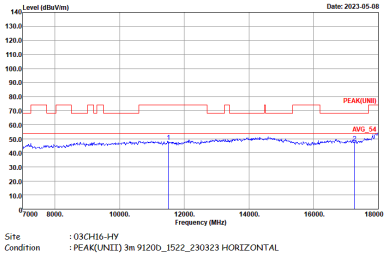
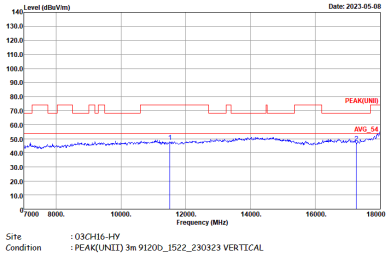
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

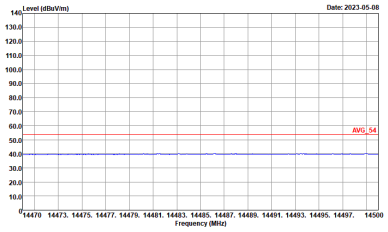
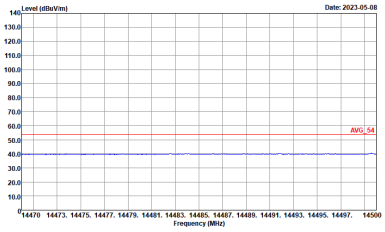
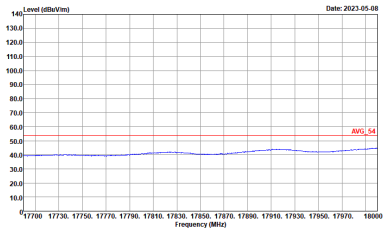
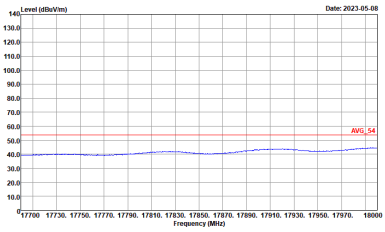
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.		

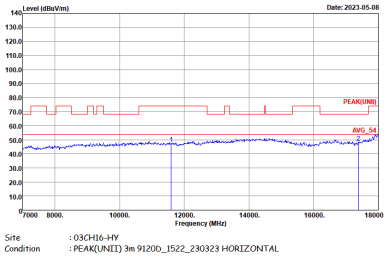
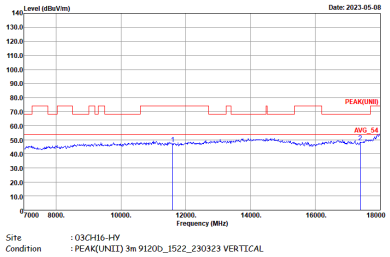
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

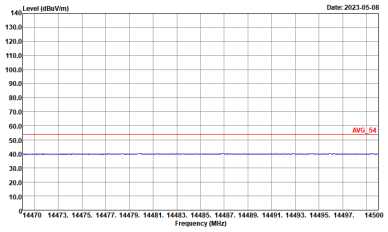
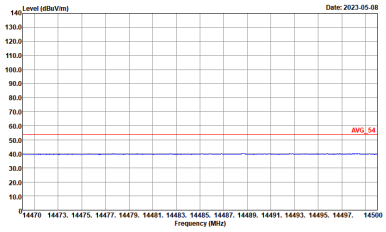
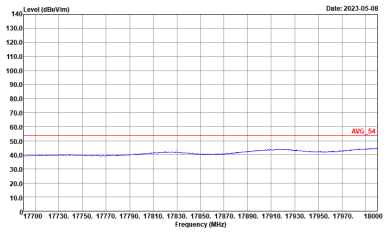
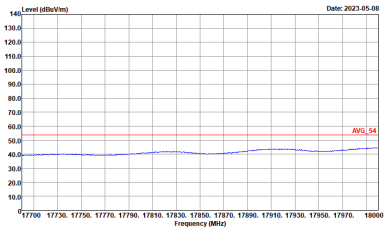
Band 4 5725~5850MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.		

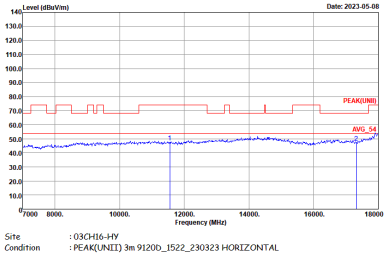
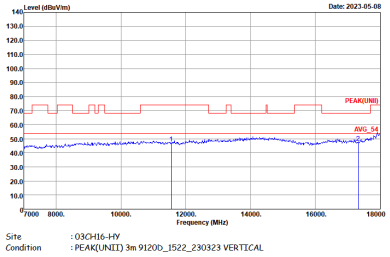
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

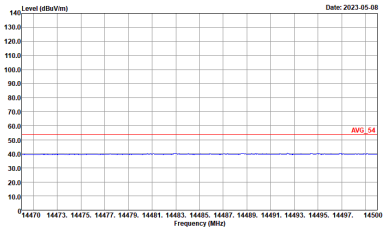
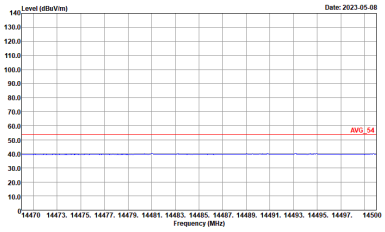
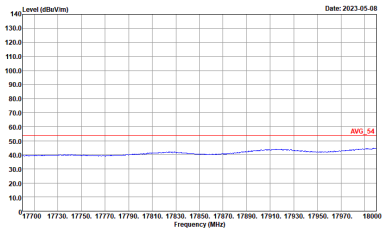
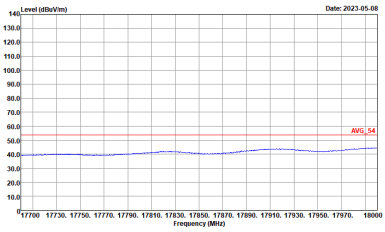
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

Band 4 5725~5850MHz

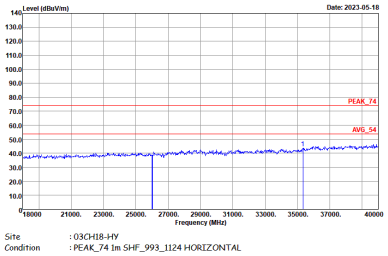
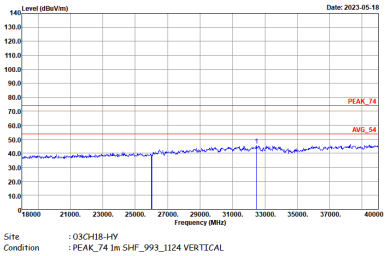
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

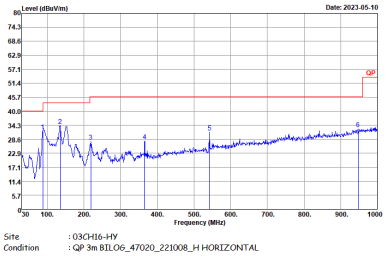
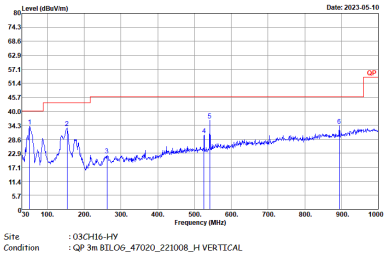
Emission above 18GHz

5GHz WIFI 802.11a (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11a SHF	
1+2	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

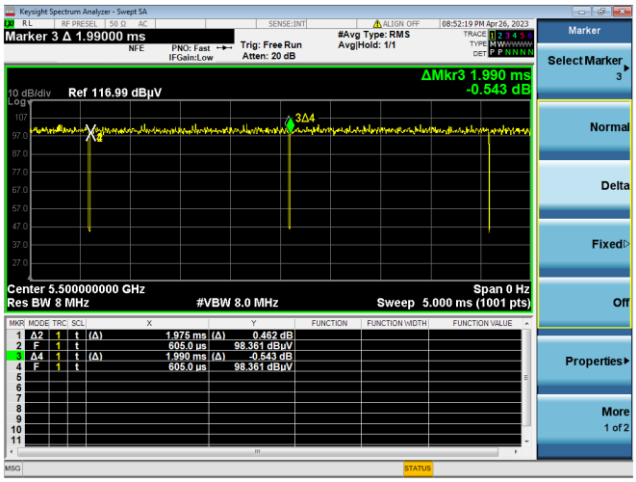
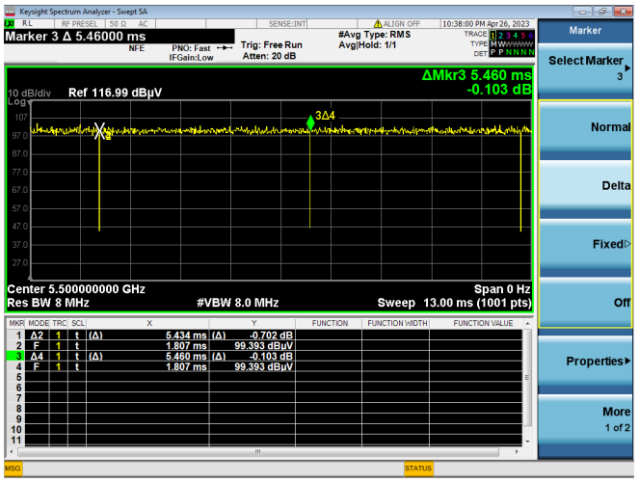
5GHz WIFI 802.11a (LF @ 3m)

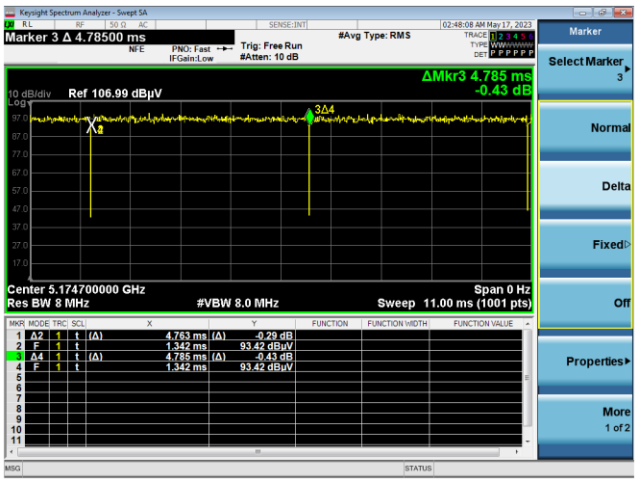
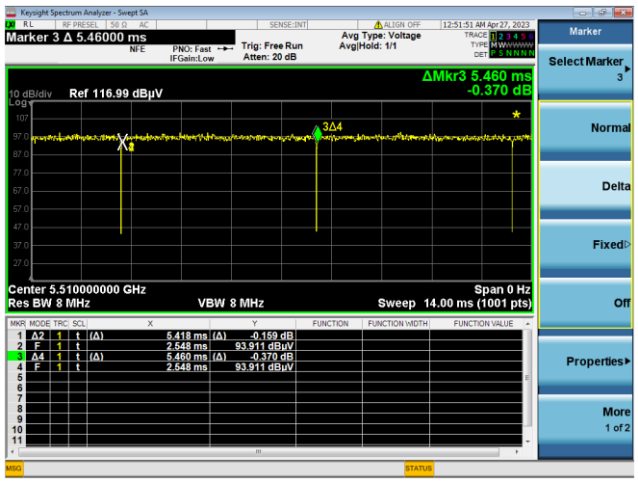
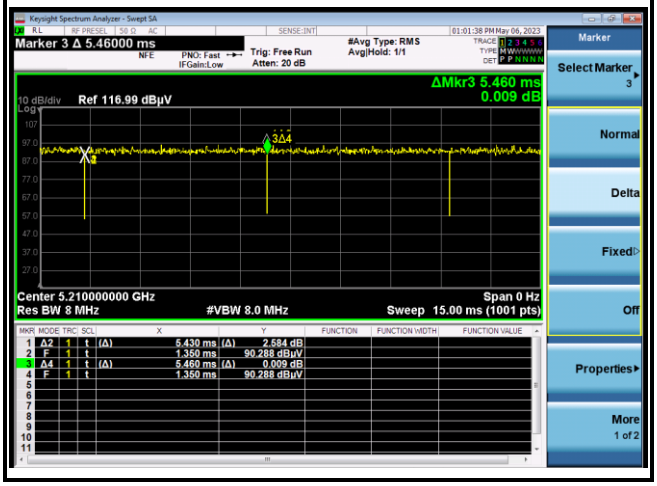
WIFI	5GHz WIFI	
ANT	802.11a LF	
1+2	Horizontal	Vertical
QP / Peak		

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	802.11a	99.25	-	-	10Hz
1+2	5GHz 802.11ax HE20 Full RU	99.52	-	-	10Hz
1+2	5GHz 802.11ax HE20 106 RU	99.54	-	-	10Hz
1+2	5GHz 802.11ax HE40 Full RU	99.23	-	-	10Hz
1+2	5GHz 802.11ax HE80 Full RU	99.45	-	-	10Hz

MIMO <Ant. 1+2>

802.11a	5GHz 802.11ax HE20 Full RU
	

5GHz 802.11ax HE20 106 RU	5GHz 802.11ax HE40 Full RU
	

5GHz 802.11ax HE80 Full RU