FCC RADIO TEST REPORT

FCC ID	:	**A4RG9FPL**
Equipment	:	**Phone**
Model Name	:	**G9FPL, G0B96**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Nov. 18, 2022 and testing was performed from Nov. 24, 2022 to Jan. 26, 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
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

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FR262403-04E	01	Initial issue of report	Feb. 10, 2023
FR262403-04E	02	1. Revise Comments and Explanations, appendix C and appendix D 2. Add remark in Section 1.2.1 3. Add Partial RU Data for Power Spectral Density Measurement	Mar. 09, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	Emission 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	1.80 dB under the limit at 5150.000 MHz
3.5	15.207	AC Conducted Emission	Pass	15.85 dB under the limit at 1.500 MHz
3.6	15.203	Antenna Requirement	Pass	-

Declaration of Conformity:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
   It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Uncertainty of Evaluation".

Comments and Explanations:

1. The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The G9FPL and G0B96 are 100% identical in Hardware / Software to each other, and only have different model names for separate marketing purposes. The test samples are all model G9FPL.

Reviewed by: William Chen

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Phone
Model Name	G9FPL, G0B96
FCC ID	A4RG9FPL
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/NFC/GNSS/ UWB/WPT Client WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE

Remark: The above EUT's information was declared by manufacturer.

EUT Information List	
S/N	**Performed Test Item**
2A311FDHS00011	RF Conducted Measurement
2B021FDHS0003T 2B071FDHS0000H	Radiated Spurious Emission
2B021FDHS0002Y	Conducted Emission

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz 5745 MHz ~ 5825 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 3+4>** 802.11a: 21.77 dBm / 0.1503 W 802.11n HT20: 22.32 dBm / 0.1706 W 802.11n HT40: 22.52 dBm / 0.1786 W 802.11ac VHT20: 22.37 dBm / 0.1726 W 802.11ac VHT40: 22.57 dBm / 0.1807 W 802.11ac VHT80: 18.81 dBm / 0.0760 W 802.11ac VHT160: 16.06 dBm / 0.0404 W 802.11ax HE20: 22.42 dBm / 0.1746 W 802.11ax HE40: 22.62 dBm / 0.1828 W 802.11ax HE80: 18.86 dBm / 0.0769 W 802.11ax HE160: 16.16 dBm / 0.0413 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 3+4>** 802.11a: 21.97 dBm / 0.1574 W 802.11n HT20: 22.46 dBm / 0.1762 W 802.11n HT40: 22.42 dBm / 0.1746 W 802.11ac VHT20: 22.51 dBm / 0.1782 W 802.11ac VHT40: 22.47 dBm / 0.1766 W 802.11ac VHT80: 19.11 dBm / 0.0815 W 802.11ax HE20: 22.56 dBm / 0.1803 W 802.11ax HE40: 22.52 dBm / 0.1786 W 802.11ax HE80: 19.16 dBm / 0.0824 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 3+4>** 802.11a: 18.67 dBm / 0.0736 W 802.11n HT20: 19.12 dBm / 0.0817 W 802.11n HT40: 21.86 dBm / 0.1535 W 802.11ac VHT20: 19.17 dBm / 0.0826 W 802.11ac VHT40: 21.91 dBm / 0.1552 W 802.11ac VHT80: 21.37 dBm / 0.1371 W 802.11ac VHT160: 16.91 dBm / 0.0491 W 802.11ax HE20: 19.22 dBm / 0.0836 W 802.11ax HE40: 21.96 dBm / 0.1570 W 802.11ax HE80: 21.41 dBm / 0.1384 W 802.11ax HE160: 17.01 dBm / 0.0502 W **<5745 MHz ~ 5825 MHz>** **MIMO <Ant. 3+4>** 802.11a: 20.01 dBm / 0.1002 W 802.11n HT20: 20.11 dBm / 0.1026 W 802.11n HT40: 21.31 dBm / 0.1352 W 802.11ac VHT20: 20.16 dBm / 0.1038 W 802.11ac VHT40: 21.36 dBm / 0.1368 W 802.11ac VHT80: 22.46 dBm / 0.1762 W 802.11ax HE20: 20.21 dBm / 0.1050 W 802.11ax HE40: 21.41 dBm / 0.1384 W 802.11ax HE80: 22.56 dBm / 0.1803 W

Product Specification is subject to this standard	
99% Occupied Bandwidth	**MIMO <Ant. 3>** 802.11a: 17.98 MHz 802.11ax HE20: 19.53 MHz 802.11ax HE40: 40.26 MHz 802.11ax HE80: 77.80 MHz 802.11ax HE160: 156.32 MHz **MIMO <Ant. 4>** 802.11a: 18.68 MHz 802.11ax HE20: 19.88 MHz 802.11ax HE40: 47.75 MHz 802.11ax HE80: 77.80 MHz 802.11ax HE160: 156.32 MHz
Antenna Type	**<5180 MHz ~ 5240 MHz>** **<Ant. 3>:** Coupling feed Antenna **<Ant. 4>:** IFA Antenna **<5260 MHz ~ 5320 MHz>** **<Ant. 3>:** Coupling feed Antenna **<Ant. 4>:** IFA Antenna **<5500 MHz ~ 5720 MHz>** **<Ant. 3>:** Coupling feed Antenna **<Ant. 4>:** IFA Antenna **<5745 MHz ~ 5825 MHz>** **<Ant. 3>:** Coupling feed Antenna **<Ant. 4>:** IFA Antenna
Antenna Gain **<Open Mode>**	**<5180 MHz ~ 5240 MHz>** **<Ant. 3>:** -1.8 dBi **<Ant. 4>:** -4.9 dBi **<5260 MHz ~ 5320 MHz>** **<Ant. 3>:** -1.3 dBi **<Ant. 4>:** -5.1 dBi **<5500 MHz ~ 5720 MHz>** **<Ant. 3>:** -0.7 dBi **<Ant. 4>:** -3.5 dBi **<5745 MHz ~ 5825 MHz>** **<Ant. 3>:** -1.3 dBi **<Ant. 4>:** -3.3 dBi
Antenna Gain **<Close Mode>**	**<5180 MHz ~ 5240 MHz>** **<Ant. 3>:** -4.7 dBi **<Ant. 4>:** -5.3 dBi **<5260 MHz ~ 5320 MHz>** **<Ant. 3>:** -3.9 dBi **<Ant. 4>:** -6.4 dBi **<5500 MHz ~ 5720 MHz>** **<Ant. 3>:** -2.9 dBi **<Ant. 4>:** -5.1 dBi **<5745 MHz ~ 5825 MHz>** **<Ant. 3>:** -3.2 dBi **<Ant. 4>:** -3.6 dBi

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
802.11ax : OFDMA (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><td></td><td>Ant. 3</td><td>Ant. 4</td></tr>
<tr><td>802.11 a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

Remark:

1. MIMO Ant. 3+4 Directional Gain is a calculated result from MIMO Ant. 3 and MIMO Ant. 4. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 3 + Ant. 4 is a calculated result from sum of the power MIMO Ant. 3 and MIMO Ant. 4.
3. The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.2.1 Antenna Gain

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

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

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

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

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

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

	Ant 3 (dBi)	Ant 4 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-1.80	-4.90	-1.80	-0.20	0.00	0.00
Band II	-1.30	-5.10	-1.30	0.02	0.00	0.00
Band III	-0.70	-3.50	-0.70	1.02	0.00	0.00
Band IV	-1.30	-3.30	-1.30	0.77	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT1}= -1.8dBi; G_{ANT2}= -4.9dBi

Directional gain of power measurement = max(-1.8, -4.9) + 0 = -1.8 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (-1.8 dBi / 20) + 10^ (-4.9 dBi / 20)] ^ 2 } / 2 }

= -0.2 dBi

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

Note: The antenna gain is from both open mode and close mode with highest number.

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY (TAF Code: 1190)
Remark	The Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH13-HY

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

FCC designation No.: TW1190 and TW3786

1.5 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 (open and close) and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and accessory (Adapter or Earphone) 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)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

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.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU but does not support 2x996-tone RU on 160MHz channel.

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

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

The power for 802.11n 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**
802.11ac VHT160 (Covered by HE160)	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**
802.11ax HE160	**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 : GSM850 Idle + WLAN (5GHz) Link + Bluetooth Link + USB Cable 1 (Charging from AC Adapter 1)

Remark:
1. For Radiated Test Cases, the tests were performed with Adapter 1and USB Cable 1.
2. During the preliminary test, both charging modes (Adapter mode and WPT Client mode) were verified. It is determined that the adaptor mode is the worst case for official test.

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

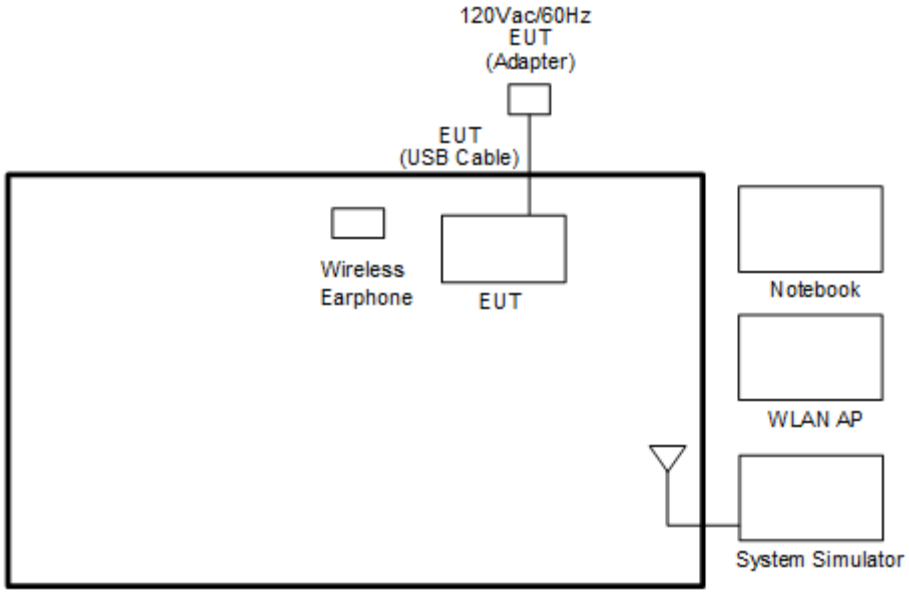
BW160	5150-5350 MHz	5470-5725MHz
	802.11ax HE160	802.11ax HE160
Ch. #	50	114

Ch. #		Band IV：5725-5850 MHz			
		802.11a	802.11n HT20	802.11n HT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

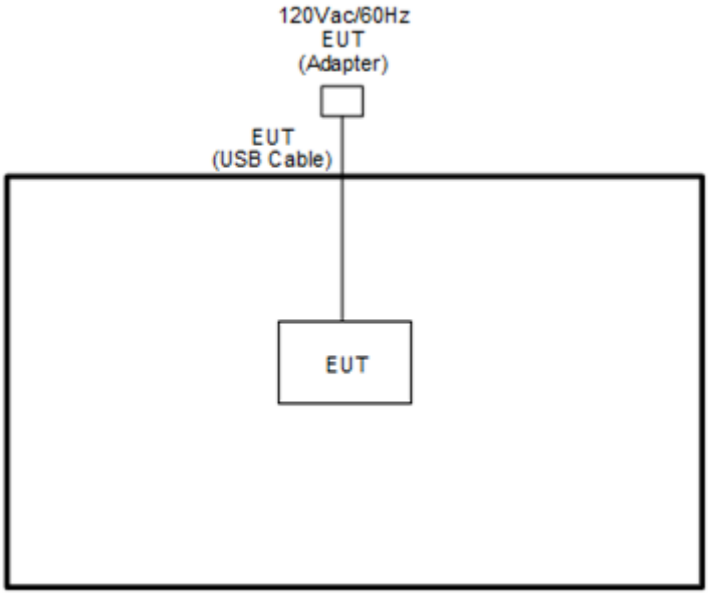
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Wireless Earphone	Google	G1007/G1008	A4RG1007/ A4RG1008	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	KA2DIR628A2	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “Cmd Version 1.0.39” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.
Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

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

3 Test Result

3.1 Emission Bandwidth and 99% Occupied Bandwidth Measurement

3.1.1 Description of Emission Bandwidth and 99% Occupied Bandwidth

26dB and 99% Occupied bandwidth are reporting only.

The minimum 6 dB bandwidth shall be at least 500 kHz for the band 5.725-5.85 GHz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

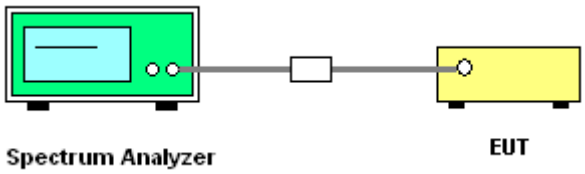
3.1.2 Measuring Instruments

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
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% bandwidth measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. For 6dB bandwidth measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 100 kHz and set the Video bandwidth (VBW) ≥ 3 * RBW. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
9. Measure and record the results in the test report.

3.1.4 Test Setup

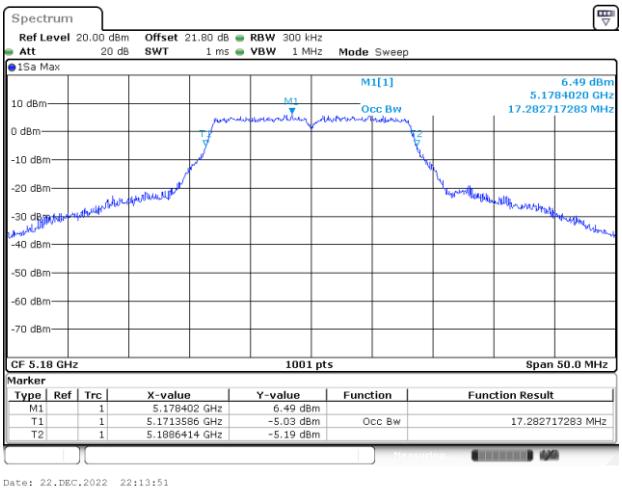
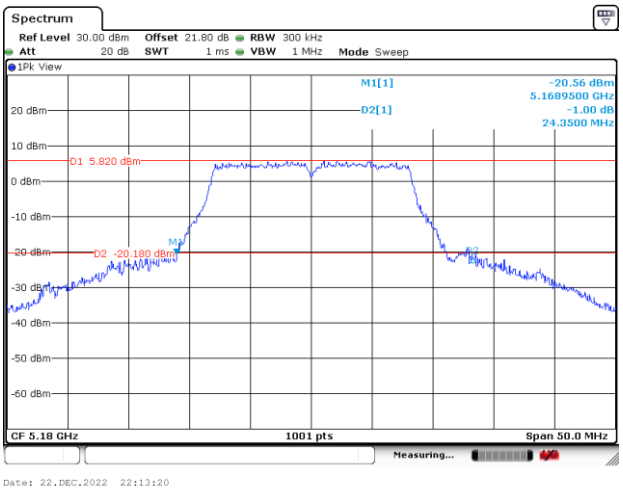
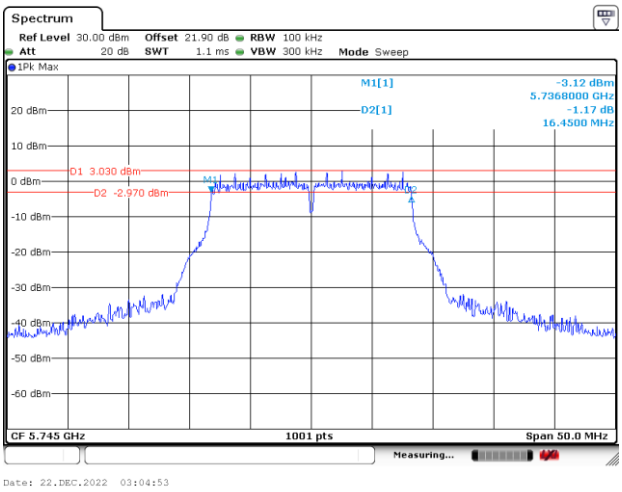


3.1.5 Test Result of Emission Bandwidth and 99% Occupied Bandwidth

Please refer to Appendix A.

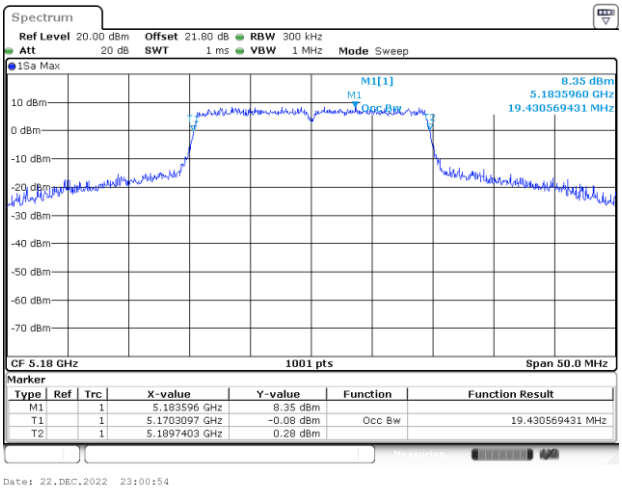
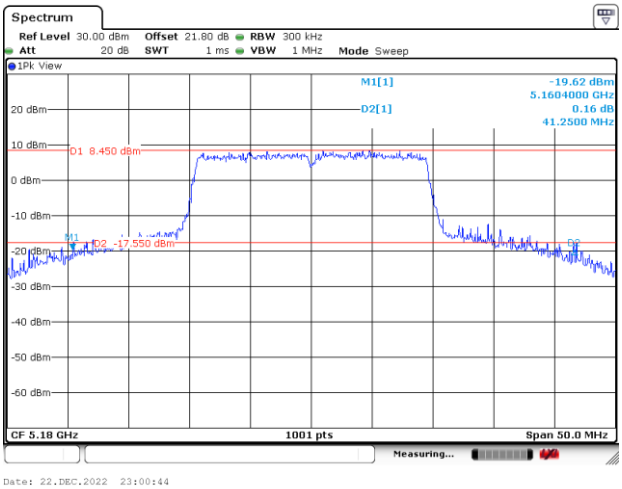
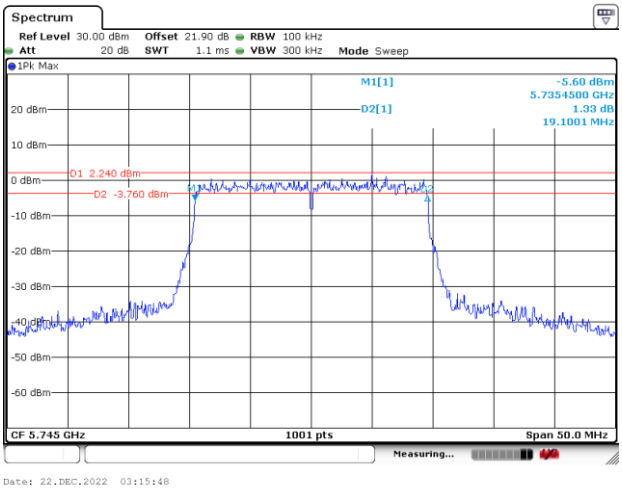
MIMO <Ant. 3+4>

<802.11a>

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

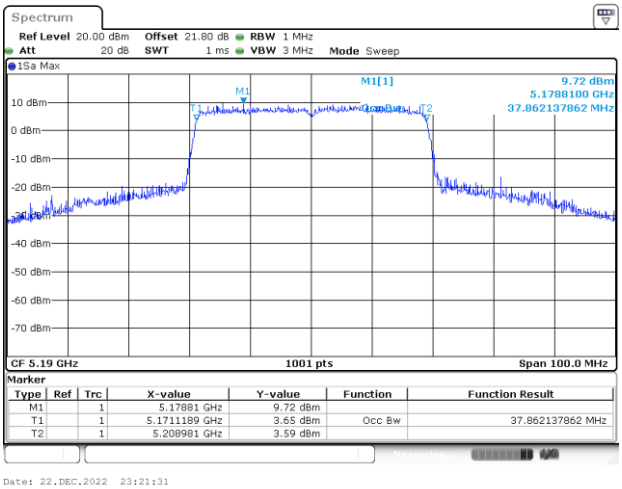
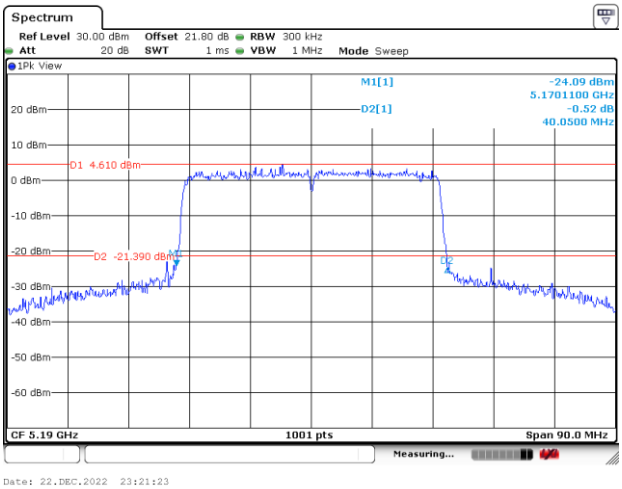
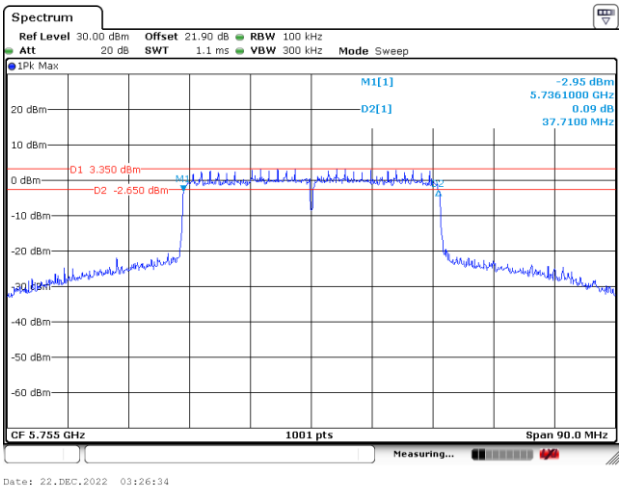
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

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

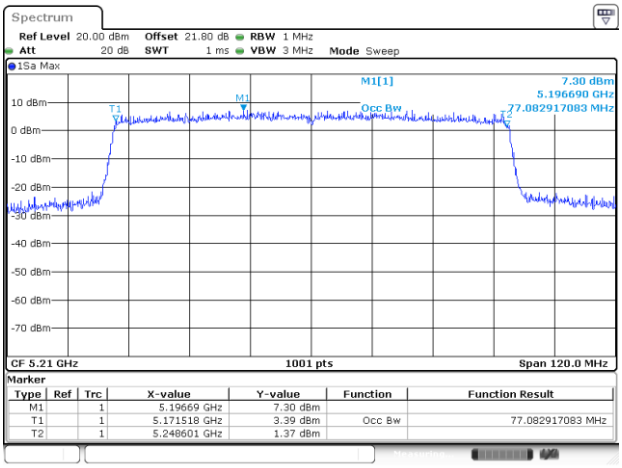
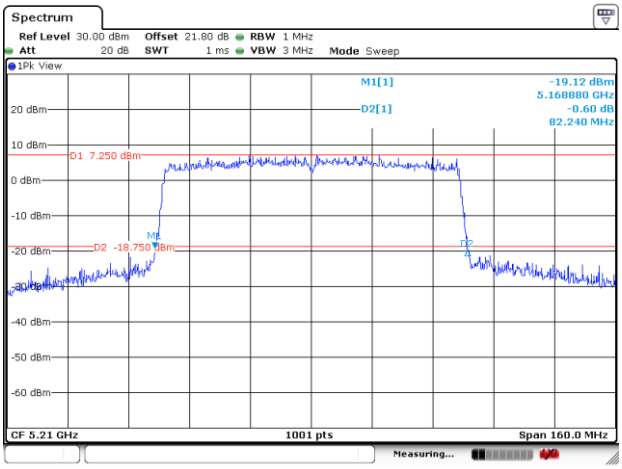
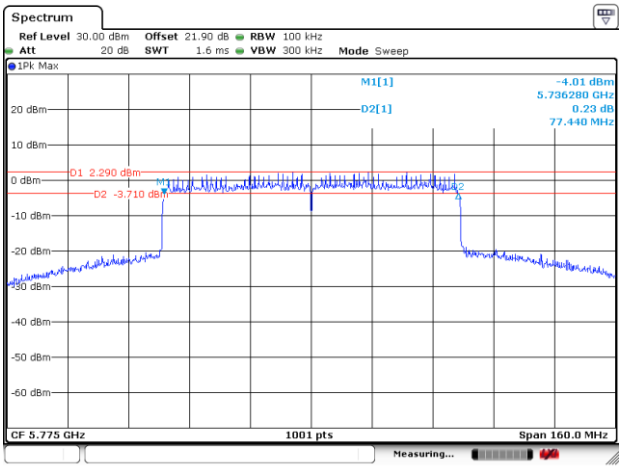
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

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

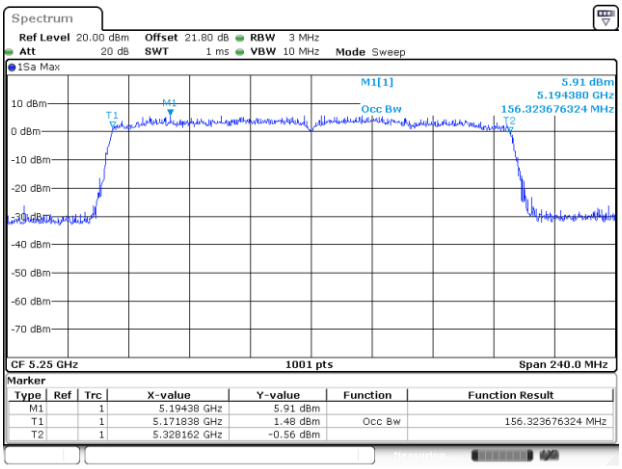
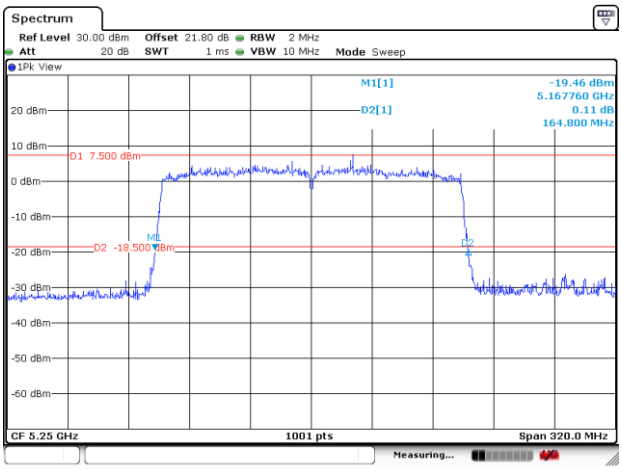
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

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

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

<802.11ax HE160>

99% Occupied Bandwidth	26dB Bandwidth
	

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

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

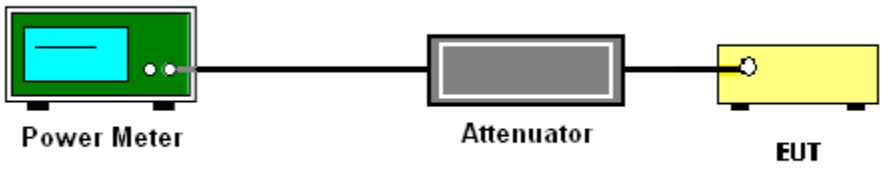
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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.

For the band 5.15−5.25 GHz, 5.25−5.35 GHz, and 5.47−5.725 GHz:

 # Method SA-2 #

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

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

For the band 5.725–5.85 GHz:

 # Method SA-2 #

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

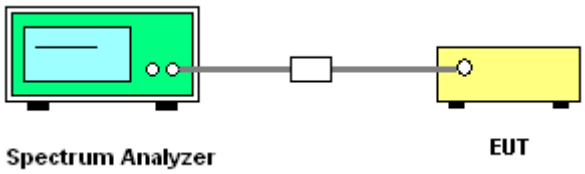
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (c): Measure and add 10 log(N_{ANT}) dB.

   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log(N_{ANT}) dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}$ th of the PSD limit.

3.3.4 Test Setup



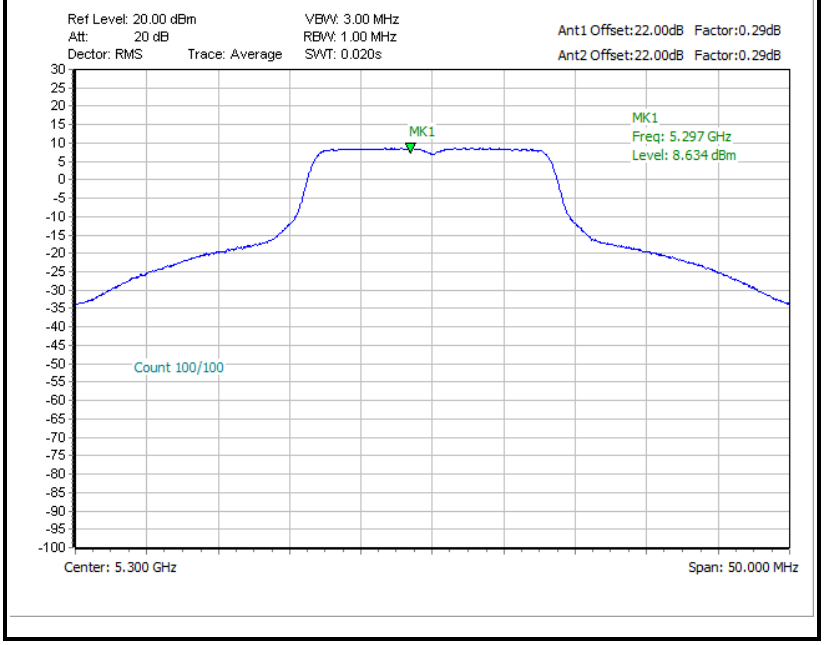
3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

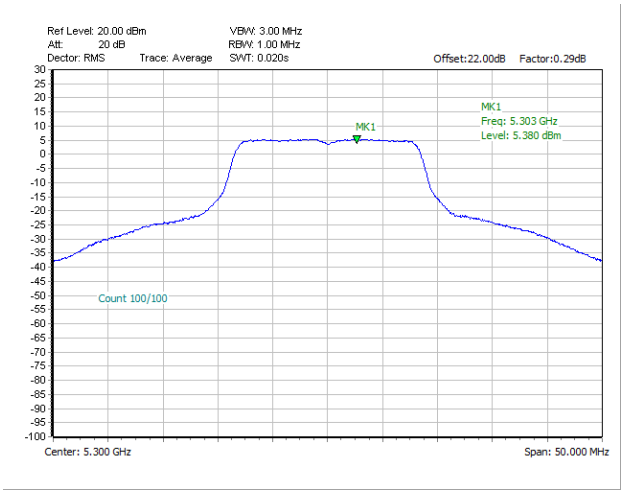
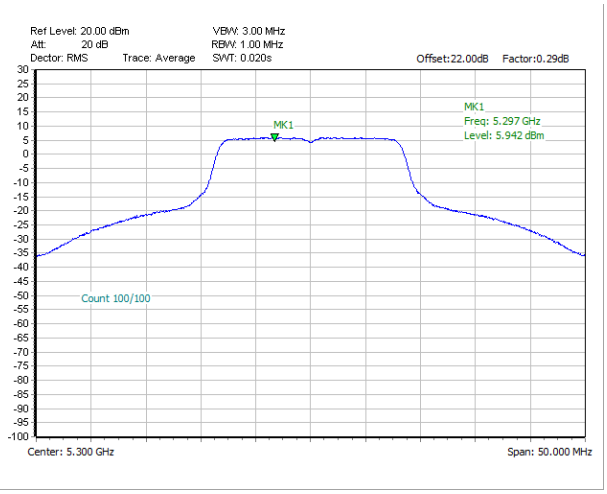
For the band 5.15−5.25 GHz, 5.25−5.35 GHz, and 5.47−5.725 GHz:

<802.11a>

Maximum Power Density Plot (dBm/MHz)

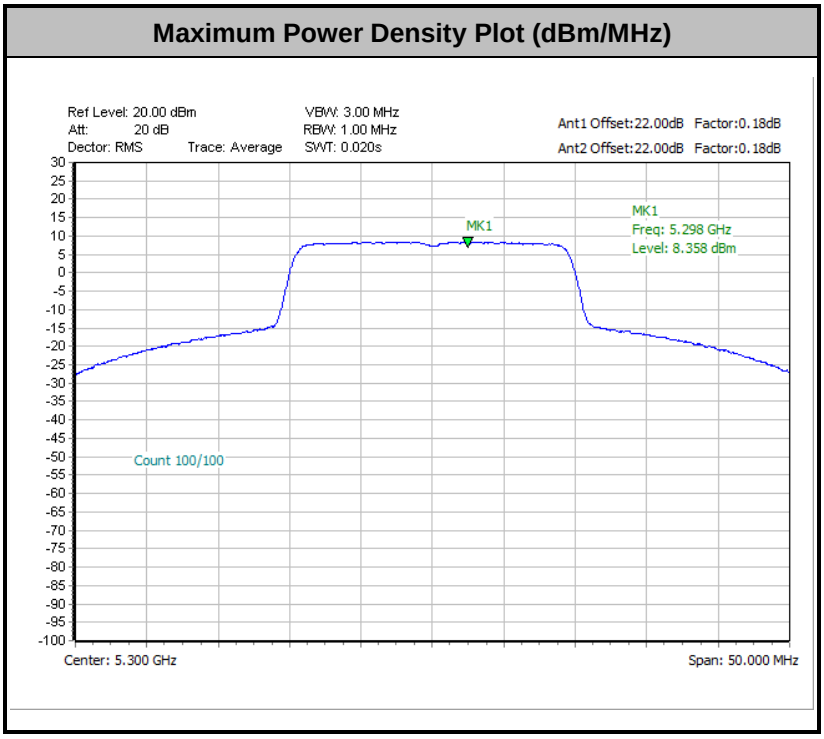


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

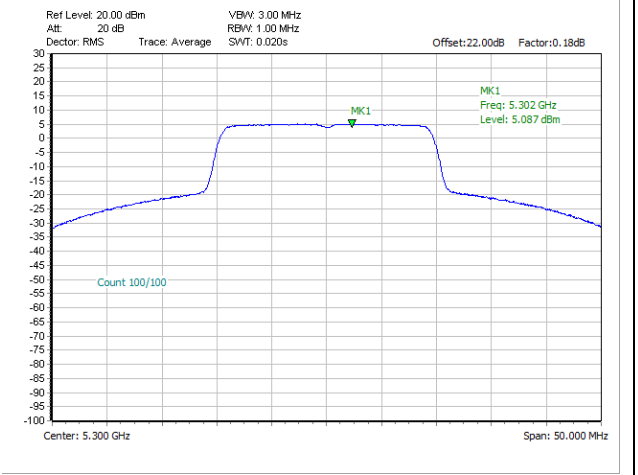
<802.11ax HE20>

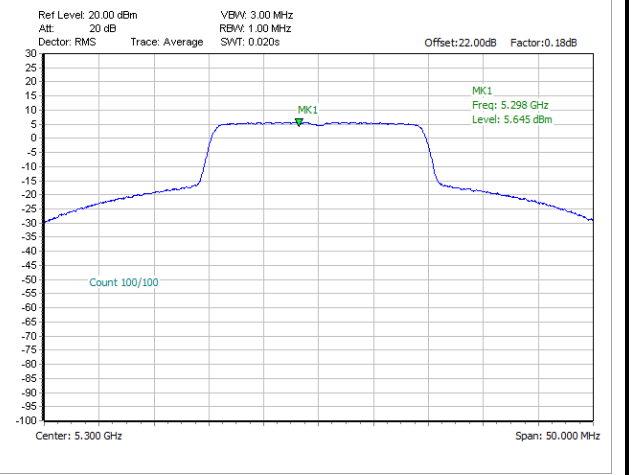
Maximum Power Density Plot (dBm/MHz)



Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

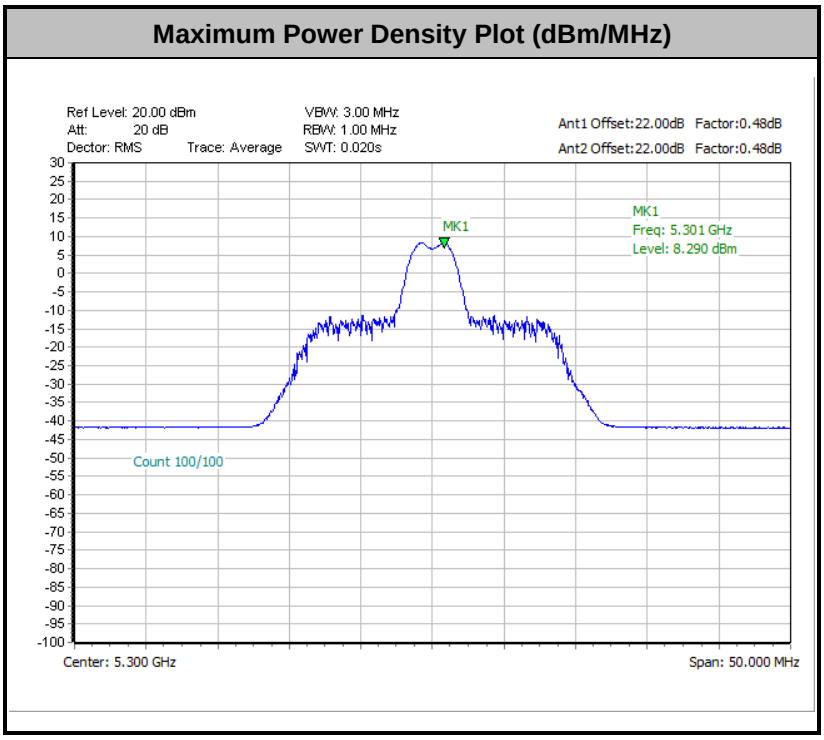
Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)





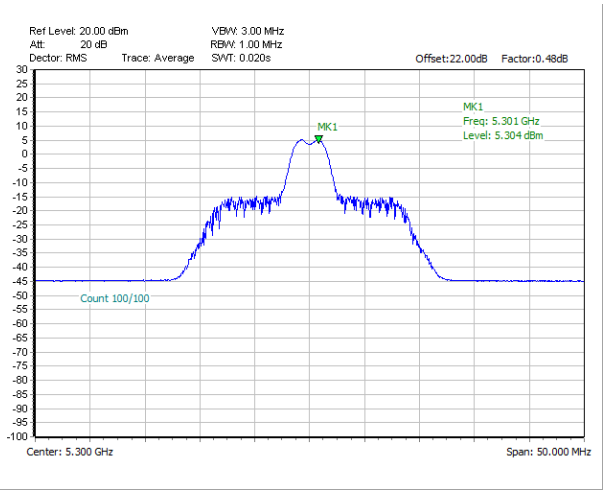
<802.11ax HE20 26RU>

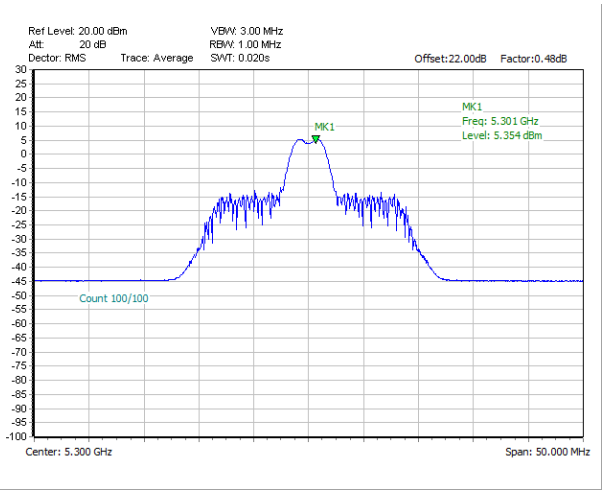
Maximum Power Density Plot (dBm/MHz)



Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

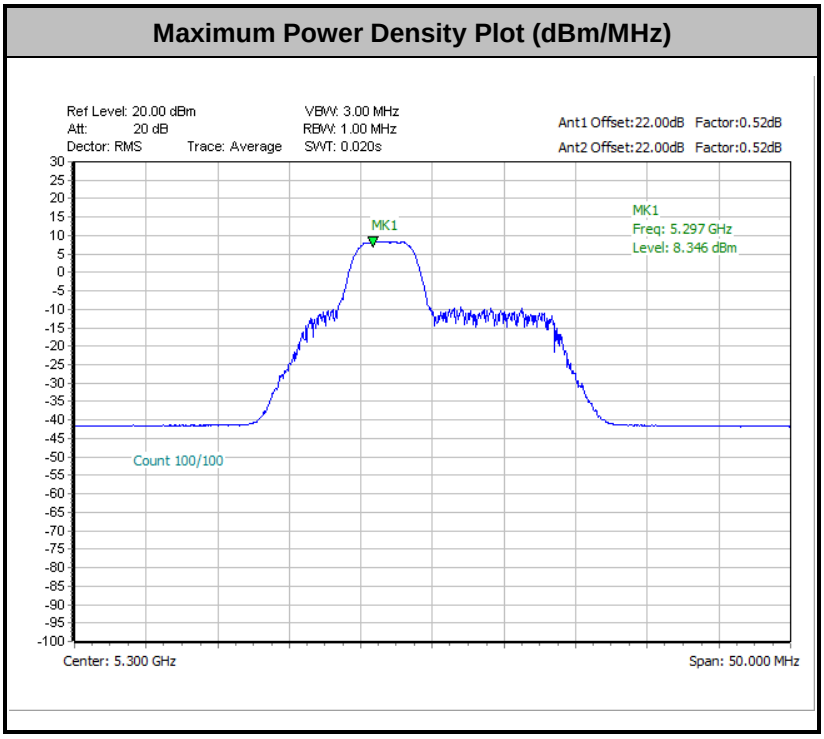
Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)





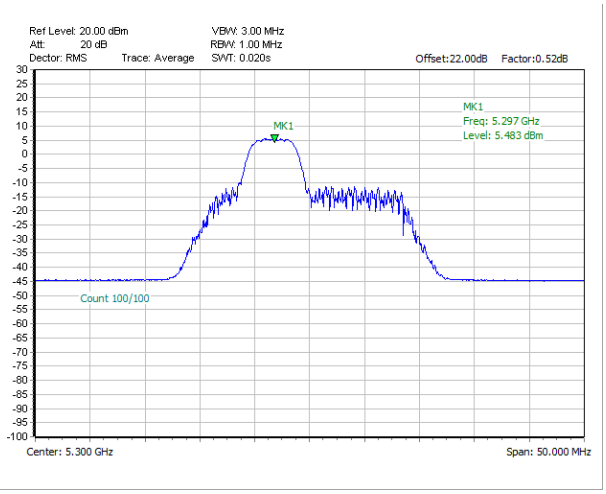
<802.11ax HE20 52RU>

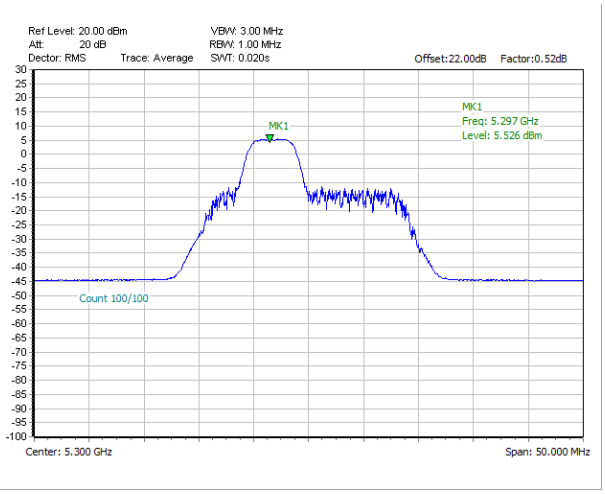
Maximum Power Density Plot (dBm/MHz)



Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

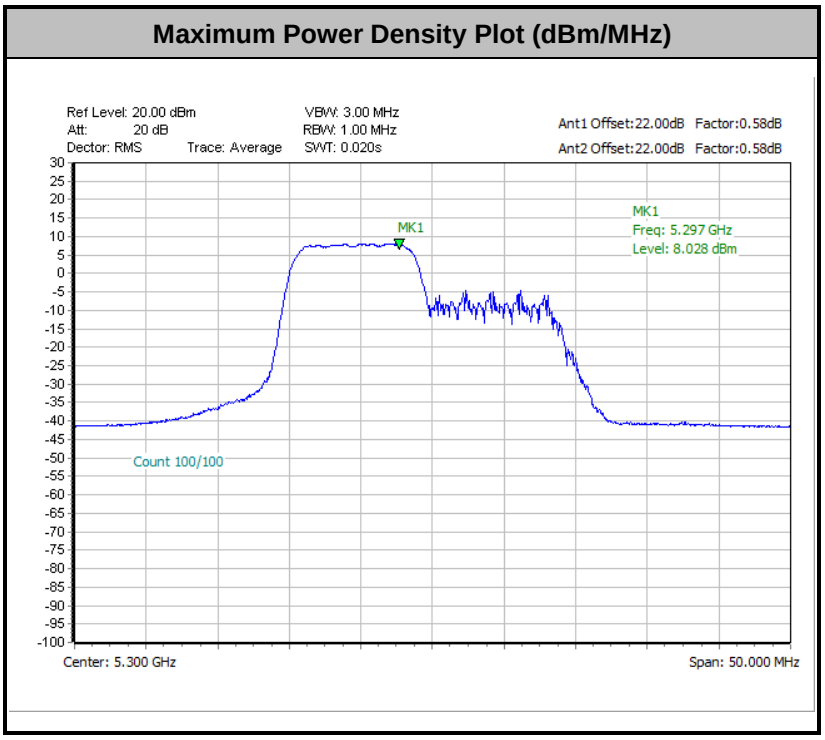
Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)





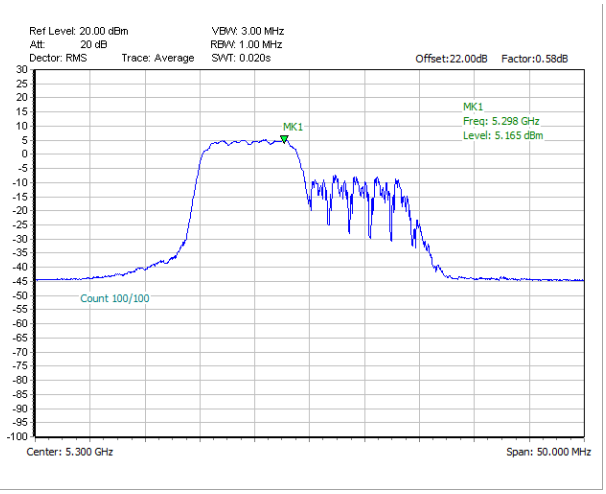
<802.11ax HE20 106RU>

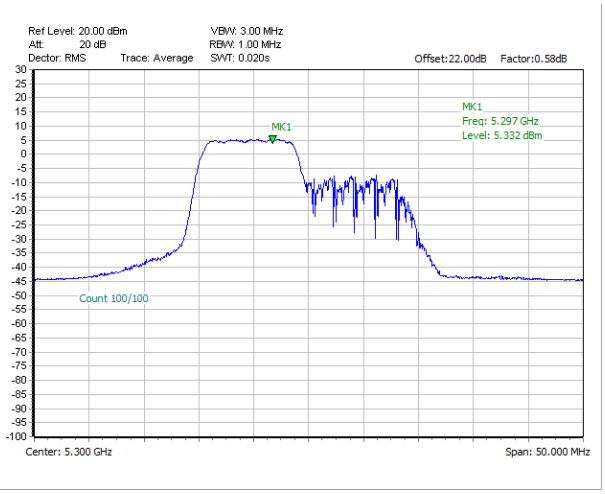
Maximum Power Density Plot (dBm/MHz)



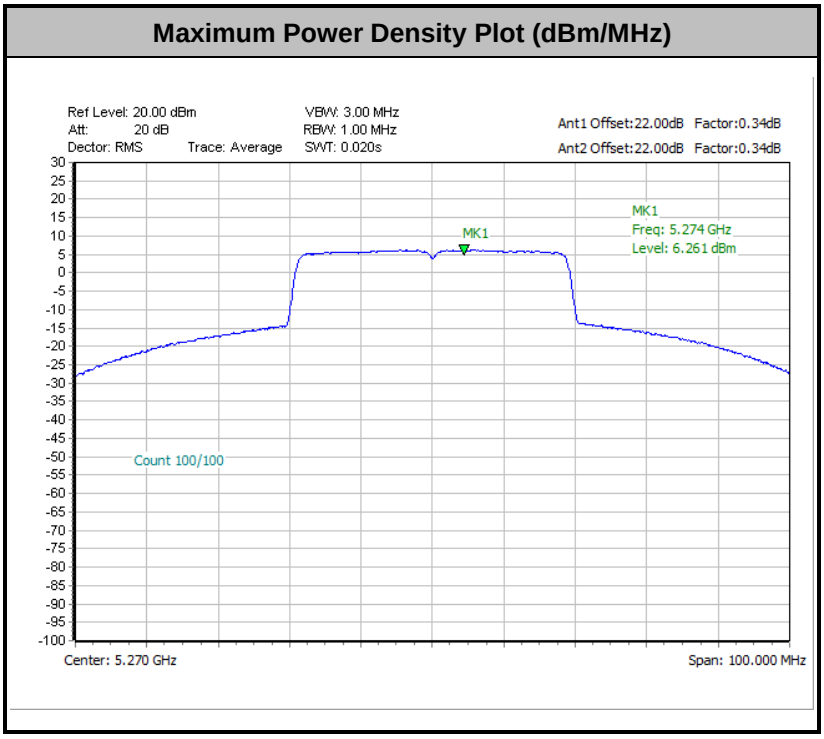
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)

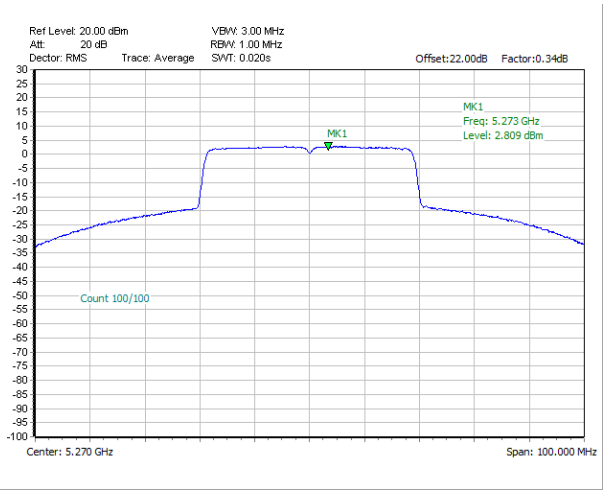
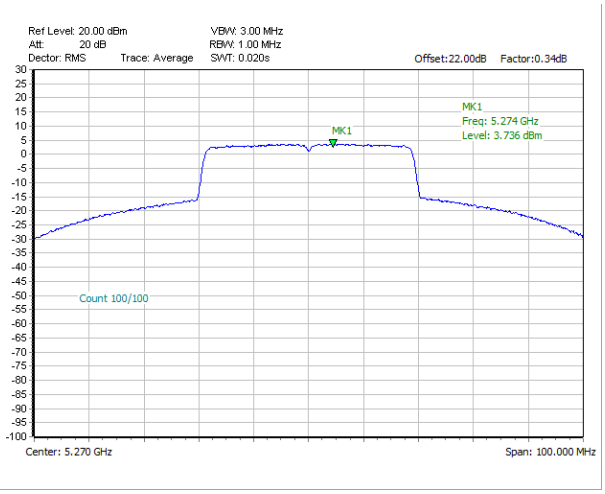




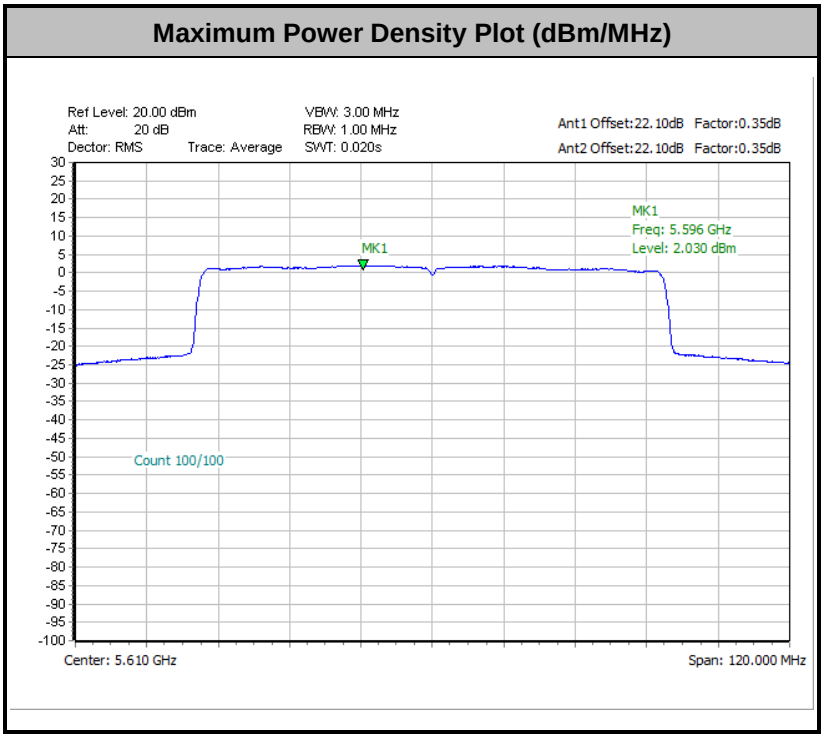
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


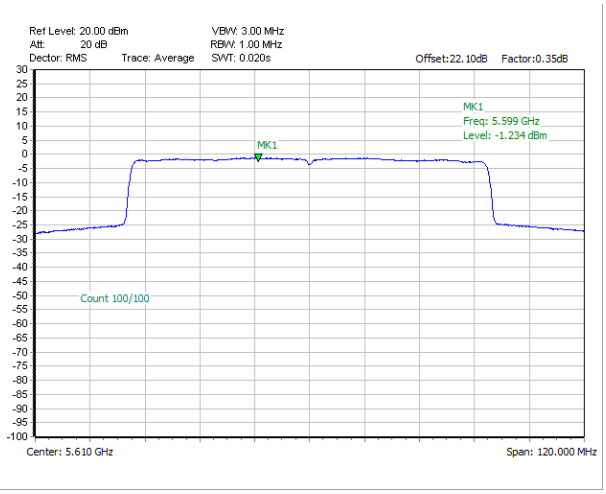
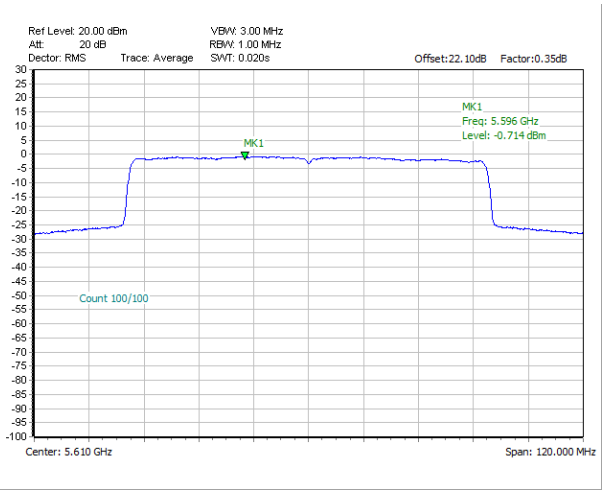
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

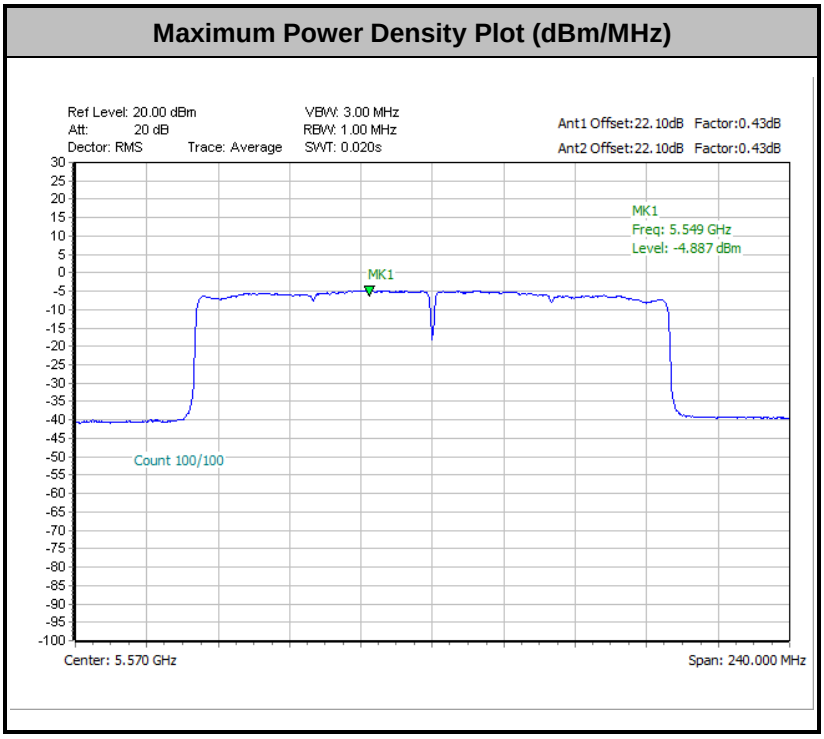
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


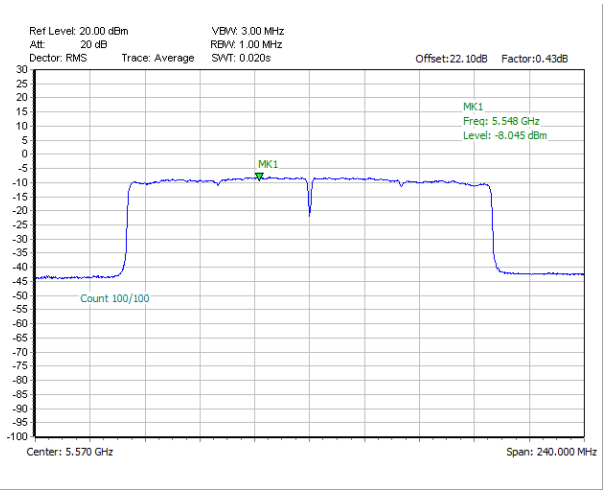
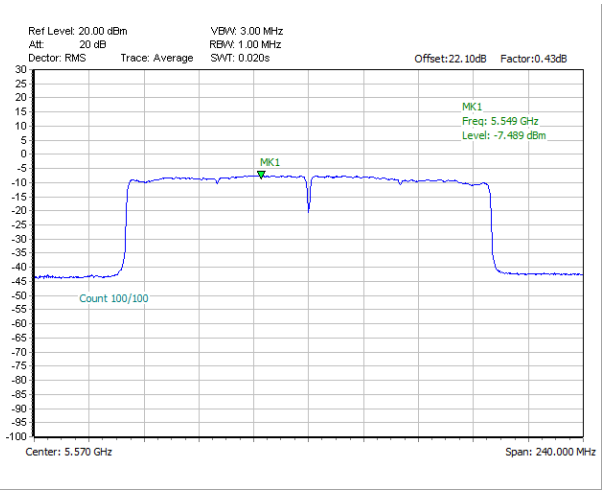
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

<802.11ax HE160>

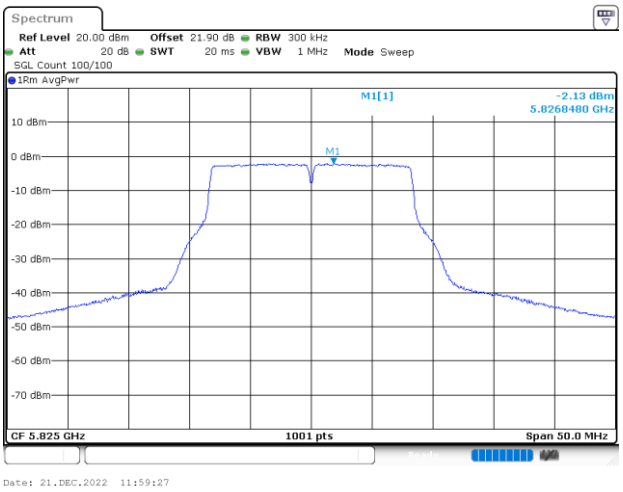
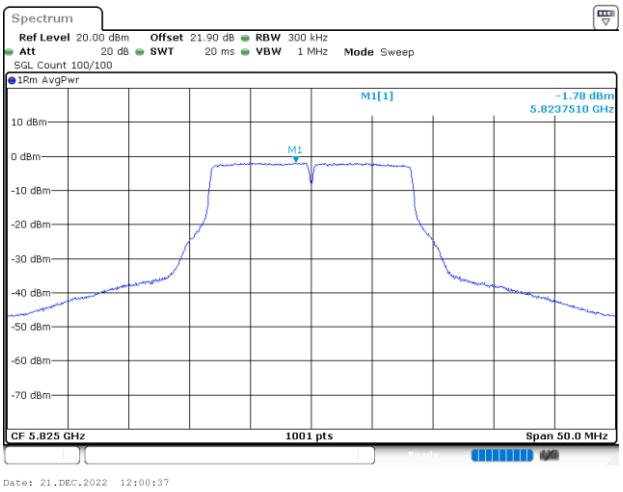
Maximum Power Density Plot (dBm/MHz)


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

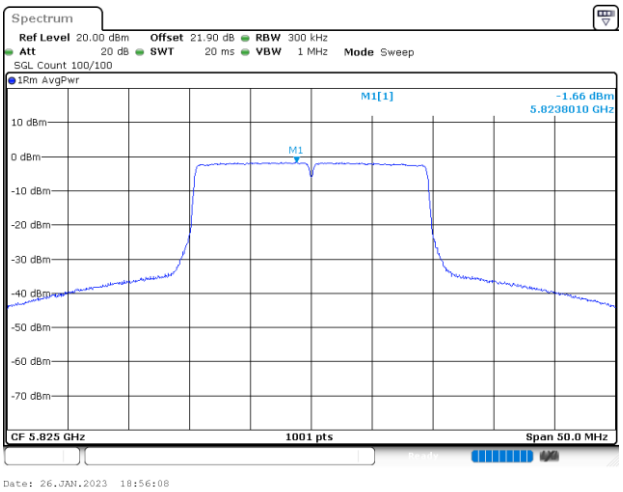
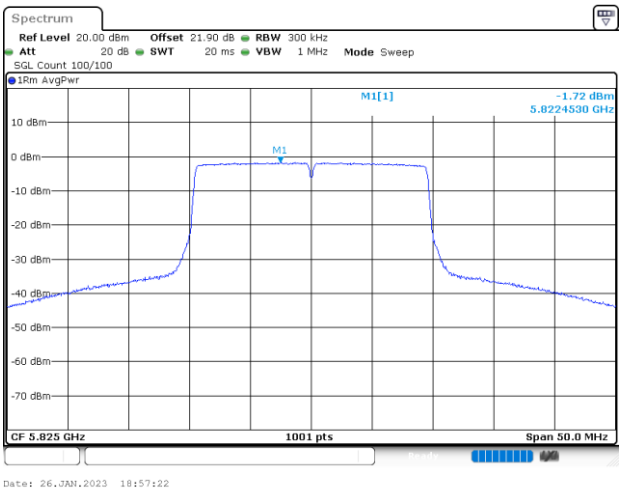
Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

For the band 5.725–5.85 GHz:

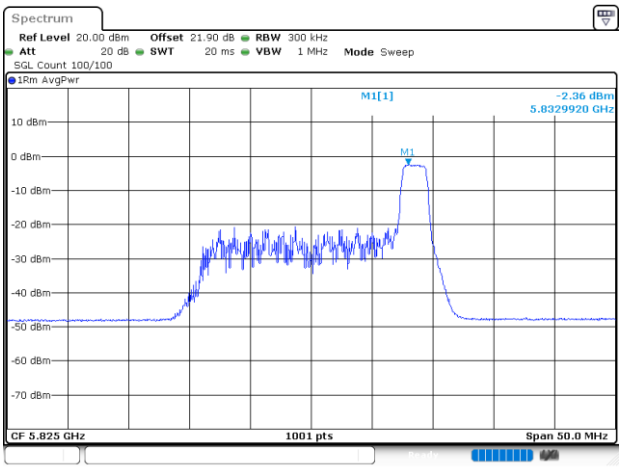
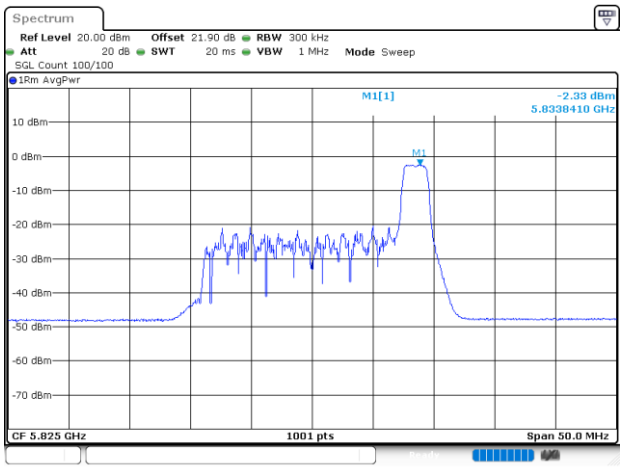
<802.11a>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 3	**MIMO Ant. 4**
	

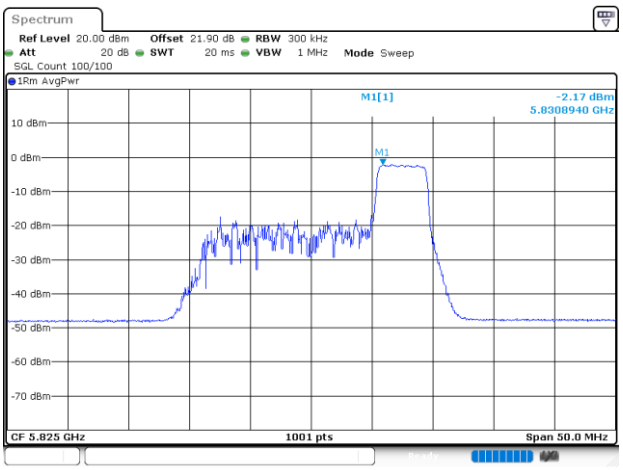
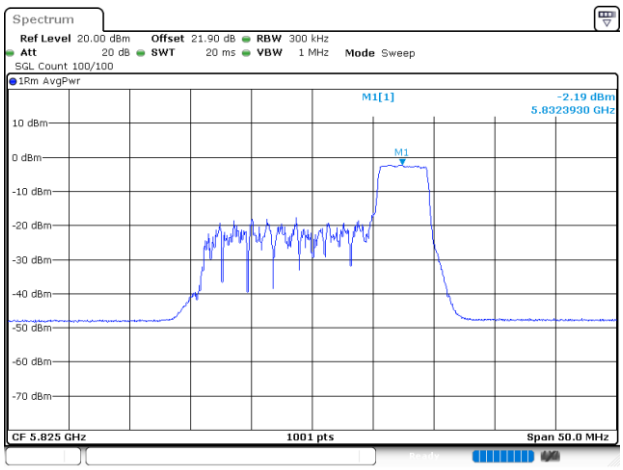
<802.11ax HE20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 3	**MIMO Ant. 4**
	

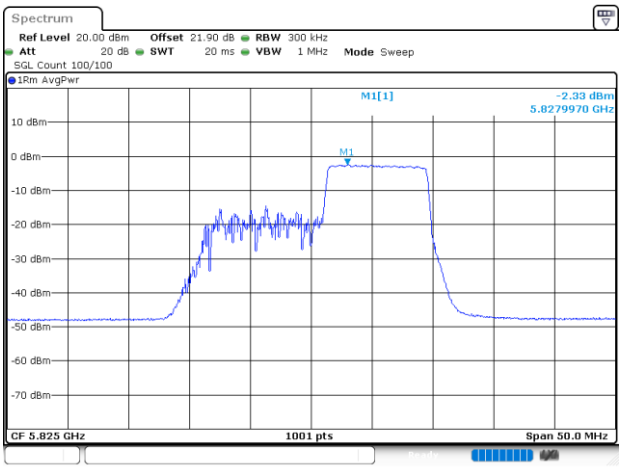
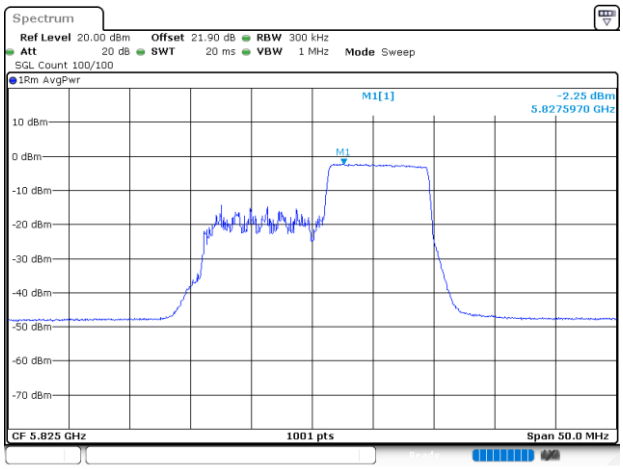
<802.11ax HE20 26RU>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 3	**MIMO Ant. 4**
	

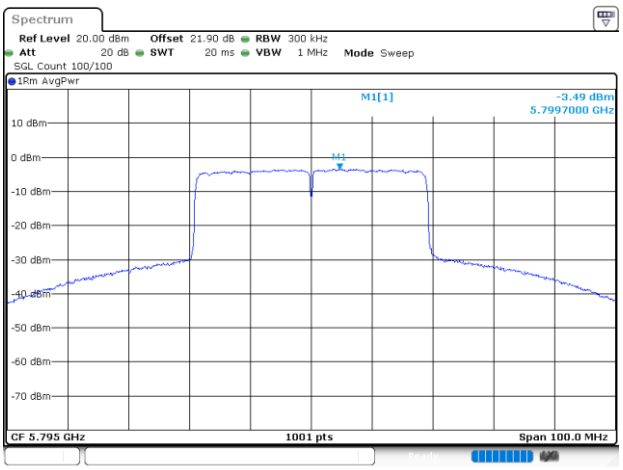
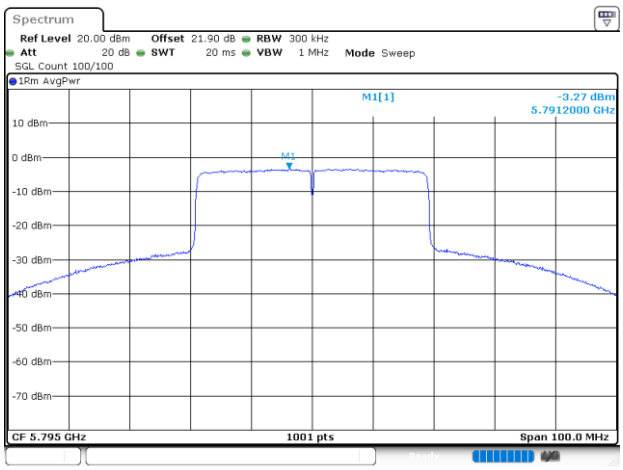
<802.11ax HE20 52RU>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 3	**MIMO Ant. 4**
	

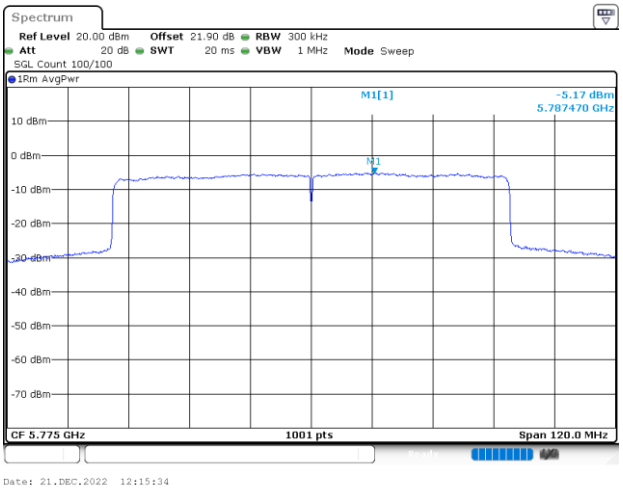
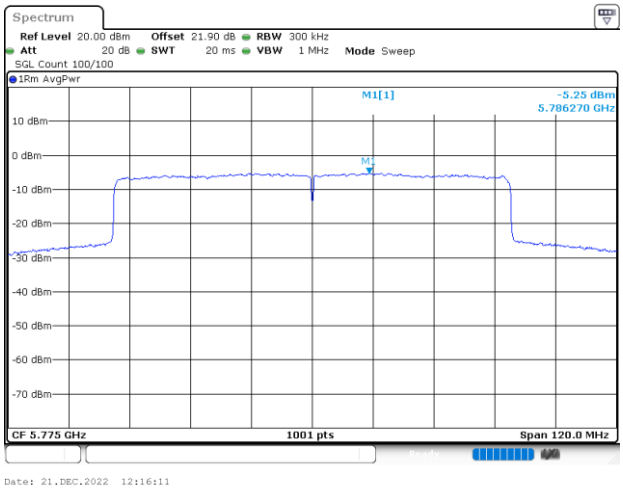
<802.11ax HE20 106RU>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 3	**MIMO Ant. 4**
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 3	**MIMO Ant. 4**
	

<802.11ax HE80>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 3	**MIMO Ant. 4**
	

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 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band:
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

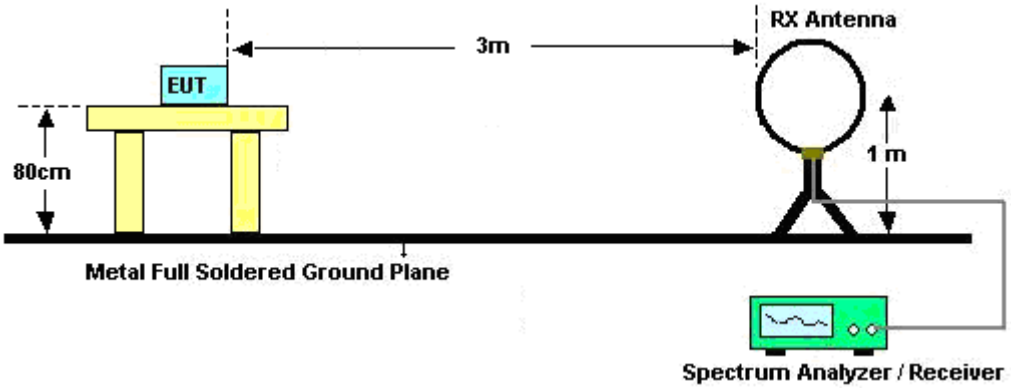
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

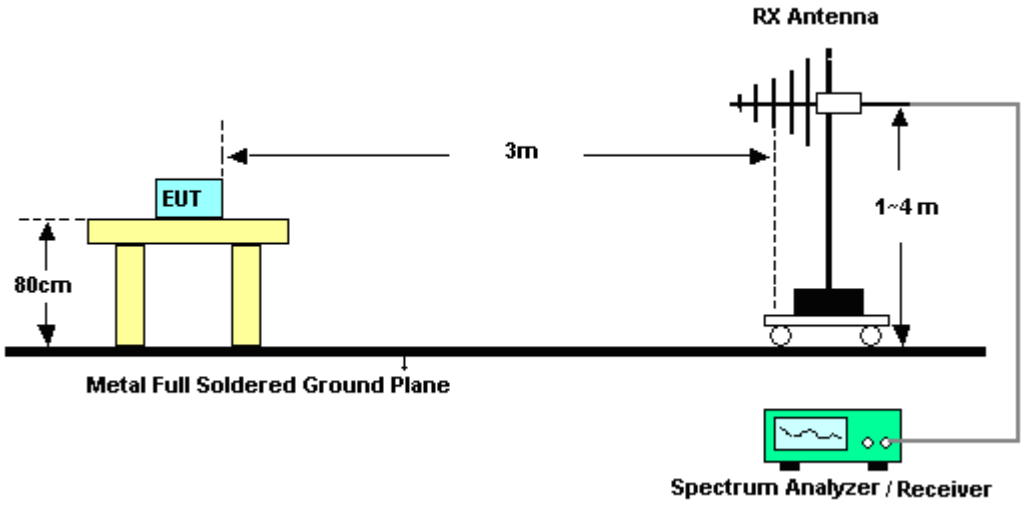
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna 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

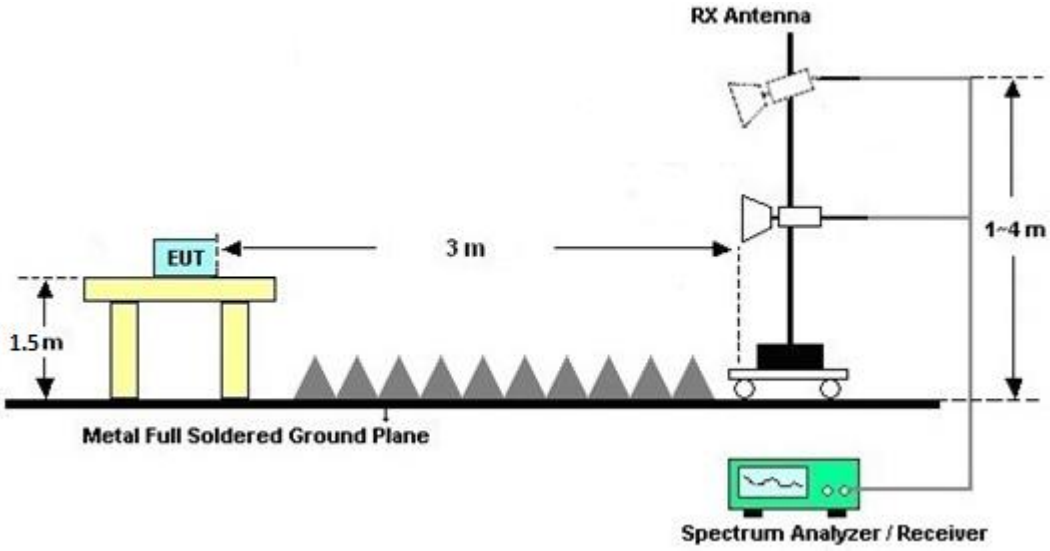
For radiated emissions below 30MHz



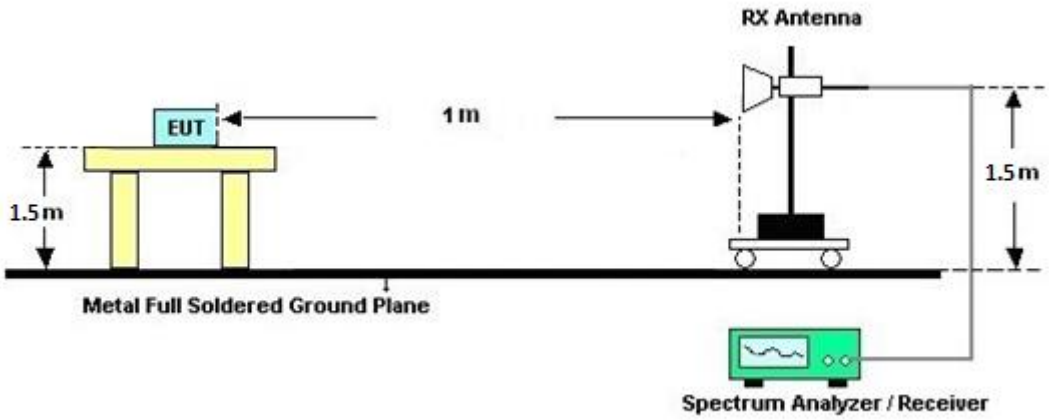
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated Spurious 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 Spurious at 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 Radiated Spurious Emissions (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.

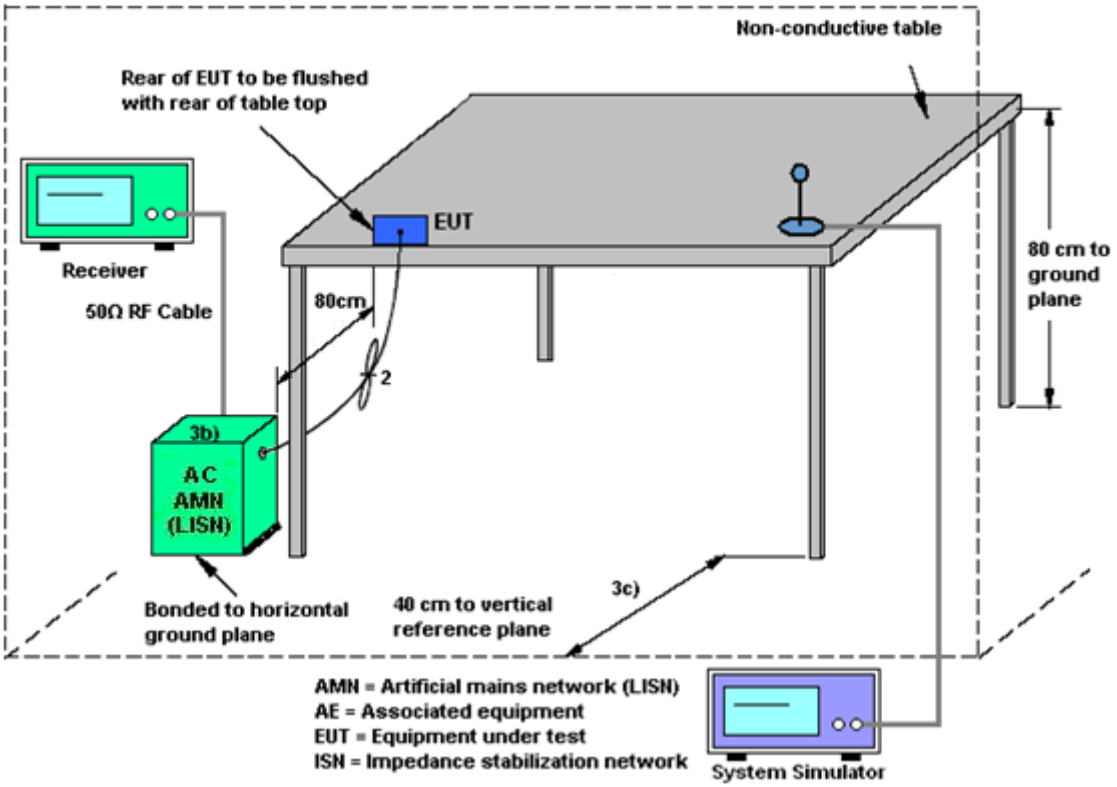
3.5.2 Measuring Instruments

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



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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	May 13, 2022	Nov. 24, 2022~ Jan. 06, 2023	May 12, 2023	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 15, 2021	Nov. 24, 2022~ Dec. 13, 2022	Dec. 14, 2022	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 14, 2022	Dec. 14, 2022~ Jan. 06, 2023	Dec. 13, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Nov. 24, 2022~ Jan. 06, 2023	Mar. 09, 2023	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Nov. 24, 2022~ Jan. 06, 2023	Jun. 27, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 21, 2022	Nov. 24, 2022~ Jan. 06, 2023	Feb. 20, 2023	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP140325	N/A	Aug. 15, 2022	Nov. 24, 2022~ Jan. 06, 2023	Aug. 14, 2023	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	40103 & 07	30MHz~1GHz	Apr. 24, 2022	Nov. 24, 2022~ Jan. 06, 2023	Apr. 23, 2023	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz~18GHz	Jul. 25, 2022	Nov. 24, 2022~ Jan. 06, 2023	Jul. 24, 2023	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800 -30-10P	1590074	1GHz~18GHz	May 17, 2022	Nov. 24, 2022~ Jan. 06, 2023	May 16, 2023	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 25, 2022	Nov. 24, 2022~ Jan. 06, 2023	Oct. 24, 2023	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 18, 2022	Nov. 24, 2022~ Jan. 06, 2023	Mar. 17, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700-300 0-18000-60SS	SN2	3GHz High Pass Filter	Jul. 11, 2022	Nov. 24, 2022~ Jan. 06, 2023	Jul. 10, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WHKX8-5872.5-67 50-18000-40ST	SN5	6.75GHz High Pass Filter	Mar. 10, 2022	Nov. 24, 2022~ Jan. 06, 2023	Mar. 09, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1530- 8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 13, 2022	Nov. 24, 2022~ Jan. 06, 2023	Sep. 12, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 09, 2022	Nov. 24, 2022~ Jan. 06, 2023	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30MHz~18GHz	Feb. 09, 2022	Nov. 24, 2022~ Jan. 06, 2023	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 09, 2022	Nov. 24, 2022~ Jan. 06, 2023	Feb. 08, 2023	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 24, 2022~ Jan. 06, 2023	N/A	Radiation (03CH13-HY)
Notch Filter	ST1	STI15_9935_5150- 5850	N/A	N/A	Apr. 07, 2022	Nov. 24, 2022~ Jan. 06, 2023	Apr. 06, 2023	Radiation (03CH13-HY)
Notch Filter	ST1	STI15_9935_5150- 5850	N/A	N/A	Apr. 07, 2022	Nov. 24, 2022 Jan. 06, 2023	Apr. 06, 2023	Radiation (03CH13-HY)
Notch Filter	Wainwright	WRCQV14-6025-6 425-7125-7525-60 SS	SN2	N/A	Jan. 07, 2022	Nov. 24, 2022 ~ Jan. 05, 2023	Jan. 06, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WHW2-7100-1000 0-18000-40CC	SN2	10GHz High Pass Filter	Nov. 14, 2022	Nov. 24, 2022~ Jan. 06, 2023	Nov. 13, 2023	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 24, 2022~ Jan. 06, 2023	N/A	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170576	18GHz-40GHz	May 14, 2022	Nov. 24, 2022~ Jan. 06, 2023	May 13, 2023	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 24, 2022~ Jan. 06, 2023	N/A	Radiation (03CH13-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Nov. 24, 2022~ Jan. 26, 2023	Nov. 16, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Nov. 24, 2022~ Dec. 22, 2022	Dec. 28, 2022	Conducted (TH05-HY)
USB Power Sensor	DARE	RPR3006W	17I00015SNO 36 (NO:35)	10MHz~6GHz	Sep. 04, 2022	Nov. 24, 2022~ Dec. 22, 2022	Sep. 03, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Nov. 24, 2022~ Jan. 26, 2023	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 07, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2022	Dec. 07, 2022	Nov. 30, 2023	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2022	Dec. 07, 2022	Nov. 16, 2023	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 17, 2022	Dec. 07, 2022	Nov. 16, 2023	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Dec. 07, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Dec. 07, 2022	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Dec. 07, 2022	Dec. 29, 2022	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.5 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))	**4.4 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.8 dB**

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2022/11/24~2023/01/26	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	36	5180	17.28	17.18	24.35	24.55	-		22.35			
11a	6Mbps	2	44	5220	17.98	18.68	30.85	34.30	-		22.55			
11a	6Mbps	2	48	5240	17.53	17.78	27.00	34.10	-		22.44			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	36	5180	16.30	16.70	19.51	24.00		-1.80			Pass
11a	6Mbps	2	44	5220	18.40	19.10	21.77	24.00		-1.80			Pass
11a	6Mbps	2	48	5240	17.20	18.00	20.63	24.00		-1.80			Pass
HT20	MCS0	2	36	5180	17.80	18.40	21.12	24.00		-1.80			Pass
HT20	MCS0	2	44	5220	19.00	19.60	22.32	24.00		-1.80			Pass
HT20	MCS0	2	48	5240	17.90	18.60	21.27	24.00		-1.80			Pass
HT40	MCS0	2	38	5190	15.50	16.00	18.77	24.00		-1.80			Pass
HT40	MCS0	2	46	5230	19.20	19.80	22.52	24.00		-1.80			Pass
VHT20	MCS0	2	36	5180	17.90	18.40	21.17	24.00		-1.80			Pass
VHT20	MCS0	2	44	5220	19.10	19.60	22.37	24.00		-1.80			Pass
VHT20	MCS0	2	48	5240	18.00	18.60	21.32	24.00		-1.80			Pass
VHT40	MCS0	2	38	5190	15.60	16.00	18.81	24.00		-1.80			Pass
VHT40	MCS0	2	46	5230	19.30	19.80	22.57	24.00		-1.80			Pass
VHT80	MCS0	2	42	5210	15.70	15.90	18.81	24.00		-1.80			Pass
VHT160	MCS0	2	50	5250	13.00	13.10	16.06	24.00		-1.80			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	36	5180	0.29	0.29			6.45	11.00		-0.20			Pass
11a	6Mbps	2	44	5220	0.29	0.29			8.28	11.00		-0.20			Pass
11a	6Mbps	2	48	5240	0.29	0.29			7.42	11.00		-0.20			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	
11a	6Mbps	2	52	5260	17.68	17.83	30.60	32.30	23.48		29.48		23.98		
11a	6Mbps	2	60	5300	17.98	18.48	30.50	34.10	23.55		29.55		23.98		
11a	6Mbps	2	64	5320	17.93	18.38	31.30	34.15	23.54		29.54		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	52	5260	17.50	18.00	20.77	23.98		-1.30		30	Pass
11a	6Mbps	2	60	5300	18.70	19.20	21.97	23.98		-1.30		30	Pass
11a	6Mbps	2	64	5320	18.20	18.60	21.41	23.98		-1.30		30	Pass
HT20	MCS0	2	52	5260	18.00	18.60	21.32	23.98		-1.30		30	Pass
HT20	MCS0	2	60	5300	19.30	19.60	22.46	23.98		-1.30		30	Pass
HT20	MCS0	2	64	5320	18.60	18.90	21.76	23.98		-1.30		30	Pass
HT40	MCS0	2	54	5270	19.10	19.70	22.42	23.98		-1.30		30	Pass
HT40	MCS0	2	62	5310	16.60	16.80	19.71	23.98		-1.30		30	Pass
VHT20	MCS0	2	52	5260	18.10	18.60	21.37	23.98		-1.30		30	Pass
VHT20	MCS0	2	60	5300	19.40	19.60	22.51	23.98		-1.30		30	Pass
VHT20	MCS0	2	64	5320	18.70	18.90	21.81	23.98		-1.30		30	Pass
VHT40	MCS0	2	54	5270	19.20	19.70	22.47	23.98		-1.30		30	Pass
VHT40	MCS0	2	62	5310	16.70	16.80	19.76	23.98		-1.30		30	Pass
VHT80	MCS0	2	58	5290	16.00	16.20	19.11	23.98		-1.30		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	52	5260	0.29	0.29			8.02	11.00		0.02			Pass
11a	6Mbps	2	60	5300	0.29	0.29			8.63	11.00		0.02			Pass
11a	6Mbps	2	64	5320	0.29	0.29			8.63	11.00		0.02			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
11a	6Mbps	2	100	5500	17.13	17.03	21.65	21.50	23.31		29.31		23.98		----	----
11a	6Mbps	2	116	5580	17.13	16.93	21.60	21.55	23.29		29.29		23.98		----	----
11a	6Mbps	2	140	5700	17.13	16.88	21.70	21.60	23.27		29.27		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
11a	6Mbps	2	144	5720	13.54	13.39	15.75	15.70	22.27		28.27		22.96		3.25	3.25

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	100	5500	14.90	15.80	18.38	23.98		-0.70		30	Pass
11a	6Mbps	2	116	5580	15.30	16.00	18.67	23.98		-0.70		30	Pass
11a	6Mbps	2	140	5700	14.50	14.50	17.51	23.98		-0.70		30	Pass
HT20	MCS0	2	100	5500	15.40	15.90	18.67	23.98		-0.70		30	Pass
HT20	MCS0	2	116	5580	15.80	16.40	19.12	23.98		-0.70		30	Pass
HT20	MCS0	2	140	5700	15.20	15.30	18.26	23.98		-0.70		30	Pass
HT40	MCS0	2	102	5510	16.30	16.90	19.62	23.98		-0.70		30	Pass
HT40	MCS0	2	110	5550	15.70	16.40	19.07	23.98		-0.70		30	Pass
HT40	MCS0	2	134	5670	18.70	19.00	21.86	23.98		-0.70		30	Pass
VHT20	MCS0	2	100	5500	15.40	16.00	18.72	23.98		-0.70		30	Pass
VHT20	MCS0	2	116	5580	15.80	16.50	19.17	23.98		-0.70		30	Pass
VHT20	MCS0	2	140	5700	15.20	15.40	18.31	23.98		-0.70		30	Pass
VHT40	MCS0	2	102	5510	16.30	17.00	19.67	23.98		-0.70		30	Pass
VHT40	MCS0	2	110	5550	15.70	16.50	19.13	23.98		-0.70		30	Pass
VHT40	MCS0	2	134	5670	18.70	19.10	21.91	23.98		-0.70		30	Pass
VHT80	MCS0	2	106	5530	16.20	16.60	19.41	23.98		-0.70		30	Pass
VHT80	MCS0	2	122	5610	18.10	18.60	21.37	23.98		-0.70		30	Pass
VHT160	MCS0	2	114	5570	13.70	14.10	16.91	23.98		-0.70		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	144	5720	15.30	15.20	18.26	22.96		-0.70		30	Pass
HT20	MCS0	2	144	5720	15.80	15.50	18.66	23.98		-0.70		30	Pass
HT40	MCS0	2	142	5710	17.20	16.90	20.06	23.98		-0.70		30	Pass
VHT20	MCS0	2	144	5720	15.80	15.60	18.71	23.98		-0.70		30	Pass
VHT40	MCS0	2	142	5710	17.20	17.00	20.11	23.98		-0.70		30	Pass
VHT80	MCS0	2	138	5690	18.10	18.00	21.06	23.98		-0.70		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	100	5500	0.29	0.29			5.04	11.00		1.02			Pass
11a	6Mbps	2	116	5580	0.29	0.29			5.13	11.00		1.02			Pass
11a	6Mbps	2	140	5700	0.29	0.29			4.48	11.00		1.02			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	144	5720	0.29	0.29			4.63	11.00		1.02			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	36	5180	Full	19.43	19.68	41.25	40.20	-		22.88			
HE20	MCS0	2	44	5220	Full	19.53	19.88	40.50	40.30	-		22.91			
HE20	MCS0	2	48	5240	Full	19.48	19.83	39.10	43.05	-		22.90			
HE40	MCS0	2	38	5190	Full	37.86	37.96	40.05	42.21	-		23.01			
HE40	MCS0	2	46	5230	Full	39.86	47.75	73.44	84.42	-		23.01			
HE80	MCS0	2	42	5210	Full	77.80	76.96	82.24	81.76	-		23.01			
HE160	MCS0	2	50	5250	Full	156.32	156.32	164.80	164.80	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	36	5180	Full	17.90	18.50	21.22	24.00		-1.80			Pass
HE20	MCS0	2	36	5180	26/0	8.40	9.60	12.05	24.00		-1.80			Pass
HE20	MCS0	2	36	5180	52/37	11.60	12.40	15.03	24.00		-1.80			Pass
HE20	MCS0	2	36	5180	106/53	14.40	15.50	18.00	24.00		-1.80			Pass
HE20	MCS0	2	44	5220	Full	19.10	19.70	22.42	24.00		-1.80			Pass
HE20	MCS0	2	44	5220	26/4	10.10	11.10	13.64	24.00		-1.80			Pass
HE20	MCS0	2	44	5220	52/38	12.30	12.80	15.57	24.00		-1.80			Pass
HE20	MCS0	2	44	5220	106/53	14.60	15.70	18.20	24.00		-1.80			Pass
HE20	MCS0	2	48	5240	Full	18.00	18.70	21.37	24.00		-1.80			Pass
HE20	MCS0	2	48	5240	26/8	8.10	8.90	11.53	24.00		-1.80			Pass
HE20	MCS0	2	48	5240	52/40	11.40	11.90	14.67	24.00		-1.80			Pass
HE20	MCS0	2	48	5240	106/54	14.10	15.20	17.70	24.00		-1.80			Pass
HE40	MCS0	2	38	5190	Full	15.60	16.10	18.87	24.00		-1.80			Pass
HE40	MCS0	2	46	5230	Full	19.30	19.90	22.62	24.00		-1.80			Pass
HE80	MCS0	2	42	5210	Full	15.70	16.00	18.86	24.00		-1.80			Pass
HE160	MCS0	2	50	5250	Full	13.10	13.20	16.16	24.00		-1.80			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	36	5180	Full	0.18	0.18			7.63	11.00		-0.20			Pass
HE20	MCS0	2	36	5180	26/0	0.48	0.48			7.62	11.00		-0.20			Pass
HE20	MCS0	2	36	5180	52/37	0.52	0.52			7.61	11.00		-0.20			Pass
HE20	MCS0	2	36	5180	106/53	0.58	0.58			7.62	11.00		-0.20			Pass
HE20	MCS0	2	44	5220	Full	0.18	0.18			8.08	11.00		-0.20			Pass
HE20	MCS0	2	44	5220	26/4	0.48	0.48			7.97	11.00		-0.20			Pass
HE20	MCS0	2	44	5220	52/38	0.52	0.52			7.98	11.00		-0.20			Pass
HE20	MCS0	2	44	5220	106/53	0.58	0.58			7.64	11.00		-0.20			Pass
HE20	MCS0	2	48	5240	Full	0.18	0.18			7.58	11.00		-0.20			Pass
HE20	MCS0	2	48	5240	26/8	0.48	0.48			7.14	11.00		-0.20			Pass
HE20	MCS0	2	48	5240	52/40	0.52	0.52			7.27	11.00		-0.20			Pass
HE20	MCS0	2	48	5240	106/54	0.58	0.58			7.46	11.00		-0.20			Pass
HE40	MCS0	2	38	5190	Full	0.34	0.34			2.42	11.00		-0.20			Pass
HE40	MCS0	2	46	5230	Full	0.34	0.34			5.95	11.00		-0.20			Pass
HE80	MCS0	2	42	5210	Full	0.35	0.35			-0.45	11.00		-0.20			Pass
HE160	MCS0	2	50	5250	Full	0.43	0.43			-6.15	11.00		-0.20			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	
HE20	MCS0	2	52	5260	Full	19.43	19.78	34.55	44.55	23.88		29.88		23.98		
HE20	MCS0	2	60	5300	Full	19.48	19.88	39.15	39.20	23.90		29.90		23.98		
HE20	MCS0	2	64	5320	Full	19.38	19.63	33.70	39.90	23.87		29.87		23.98		
HE40	MCS0	2	54	5270	Full	40.26	46.85	78.21	82.53	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.96	37.96	40.32	39.96	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.08	77.08	82.08	81.92	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	52	5260	Full	18.10	18.70	21.42	23.98		-1.30		30	Pass
HE20	MCS0	2	52	5260	26/0	8.70	9.60	12.18	23.98		-1.30		30	Pass
HE20	MCS0	2	52	5260	52/37	11.80	12.30	15.07	23.98		-1.30		30	Pass
HE20	MCS0	2	52	5260	106/53	14.70	15.30	18.02	23.98		-1.30		30	Pass
HE20	MCS0	2	60	5300	Full	19.40	19.70	22.56	23.98		-1.30		30	Pass
HE20	MCS0	2	60	5300	26/4	10.80	11.10	13.96	23.98		-1.30		30	Pass
HE20	MCS0	2	60	5300	52/38	13.20	13.20	16.21	23.98		-1.30		30	Pass
HE20	MCS0	2	60	5300	106/53	15.30	16.00	18.67	23.98		-1.30		30	Pass
HE20	MCS0	2	64	5320	Full	18.70	19.00	21.86	23.98		-1.30		30	Pass
HE20	MCS0	2	64	5320	26/8	8.80	9.30	12.07	23.98		-1.30		30	Pass
HE20	MCS0	2	64	5320	52/40	11.90	12.40	15.17	23.98		-1.30		30	Pass
HE20	MCS0	2	64	5320	106/54	14.80	15.40	18.12	23.98		-1.30		30	Pass
HE40	MCS0	2	54	5270	Full	19.20	19.80	22.52	23.98		-1.30		30	Pass
HE40	MCS0	2	62	5310	Full	16.70	16.90	19.81	23.98		-1.30		30	Pass
HE80	MCS0	2	58	5290	Full	16.00	16.30	19.16	23.98		-1.30		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	52	5260	Full	0.18	0.18			7.78	11.00		0.02			Pass
HE20	MCS0	2	52	5260	26/0	0.48	0.48			7.70	11.00		0.02			Pass
HE20	MCS0	2	52	5260	52/37	0.52	0.52			7.76	11.00		0.02			Pass
HE20	MCS0	2	52	5260	106/53	0.58	0.58			7.71	11.00		0.02			Pass
HE20	MCS0	2	60	5300	Full	0.18	0.18			8.36	11.00		0.02			Pass
HE20	MCS0	2	60	5300	26/4	0.48	0.48			8.29	11.00		0.02			Pass
HE20	MCS0	2	60	5300	52/38	0.52	0.52			8.35	11.00		0.02			Pass
HE20	MCS0	2	60	5300	106/53	0.58	0.58			8.03	11.00		0.02			Pass
HE20	MCS0	2	64	5320	Full	0.18	0.18			8.04	11.00		0.02			Pass
HE20	MCS0	2	64	5320	26/8	0.48	0.48			7.76	11.00		0.02			Pass
HE20	MCS0	2	64	5320	52/40	0.52	0.52			7.86	11.00		0.02			Pass
HE20	MCS0	2	64	5320	106/54	0.58	0.58			8.00	11.00		0.02			Pass
HE40	MCS0	2	54	5270	Full	0.34	0.34			6.26	11.00		0.02			Pass
HE40	MCS0	2	62	5310	Full	0.34	0.34			3.13	11.00		0.02			Pass
HE80	MCS0	2	58	5290	Full	0.35	0.35			-0.07	11.00		0.02			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
HE20	MCS0	2	100	5500	Full	19.13	19.13	21.75	21.90	23.82		29.82		23.98		----	----
HE20	MCS0	2	116	5580	Full	19.18	19.18	22.55	23.40	23.83		29.83		23.98		----	----
HE20	MCS0	2	140	5700	Full	19.18	19.18	21.60	21.75	23.83		29.83		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.96	37.76	40.32	40.05	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.96	37.86	41.04	40.05	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	38.76	38.56	67.86	55.35	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.08	77.08	82.40	82.08	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.44	77.32	126.40	130.56	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.32	156.32	166.08	166.40	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
HE20	MCS0	2	144	5720	Full	14.59	14.59	15.90	15.85	22.64		28.64		23.00		4.55	4.55
HE40	MCS0	2	142	5710	Full	33.98	33.98	35.16	34.98	23.98		30.00		23.98		3.72	3.72
HE80	MCS0	2	138	5690	Full	73.60	73.72	93.88	88.92	23.98		30.00		23.98		3.88	3.399

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	100	5500	Full	15.50	16.00	18.77	23.98		-0.70		30	Pass
HE20	MCS0	2	100	5500	26/0	5.40	6.50	9.00	23.98		-0.70		30	Pass
HE20	MCS0	2	100	5500	52/37	8.40	9.20	11.83	23.98		-0.70		30	Pass
HE20	MCS0	2	100	5500	106/53	11.30	12.40	14.90	23.98		-0.70		30	Pass
HE20	MCS0	2	116	5580	Full	15.90	16.50	19.22	23.98		-0.70		30	Pass
HE20	MCS0	2	116	5580	26/4	6.70	7.30	10.02	23.98		-0.70		30	Pass
HE20	MCS0	2	116	5580	52/38	9.20	9.70	12.47	23.98		-0.70		30	Pass
HE20	MCS0	2	116	5580	106/53	11.90	13.10	15.55	23.98		-0.70		30	Pass
HE20	MCS0	2	140	5700	Full	15.30	15.40	18.36	23.98		-0.70		30	Pass
HE20	MCS0	2	140	5700	26/8	6.00	5.20	8.63	23.98		-0.70		30	Pass
HE20	MCS0	2	140	5700	52/40	9.00	8.80	11.91	23.98		-0.70		30	Pass
HE20	MCS0	2	140	5700	106/54	11.70	11.80	14.76	23.98		-0.70		30	Pass
HE40	MCS0	2	102	5510	Full	16.40	17.00	19.72	23.98		-0.70		30	Pass
HE40	MCS0	2	110	5550	Full	15.80	16.50	19.17	23.98		-0.70		30	Pass
HE40	MCS0	2	134	5670	Full	18.80	19.10	21.96	23.98		-0.70		30	Pass
HE80	MCS0	2	106	5530	Full	16.20	16.70	19.47	23.98		-0.70		30	Pass
HE80	MCS0	2	122	5610	Full	18.20	18.60	21.41	23.98		-0.70		30	Pass
HE160	MCS0	2	114	5570	Full	13.80	14.20	17.01	23.98		-0.70		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	144	5720	Full	15.90	15.60	18.76	23.00		-0.70		30	Pass
HE20	MCS0	2	144	5720	26/8	6.60	5.70	9.18	23.00		-0.70		30	Pass
HE20	MCS0	2	144	5720	52/40	9.50	9.00	12.27	23.00		-0.70		30	Pass
HE20	MCS0	2	144	5720	106/54	12.20	12.20	15.21	23.00		-0.70		30	Pass
HE40	MCS0	2	142	5710	Full	17.30	17.00	20.16	23.98		-0.70		30	Pass
HE80	MCS0	2	138	5690	Full	18.20	18.00	21.11	23.98		-0.70		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	100	5500	Full	0.18	0.18			4.67	11.00		1.02			Pass
HE20	MCS0	2	100	5500	26/0	0.48	0.48			4.60	11.00		1.02			Pass
HE20	MCS0	2	100	5500	52/37	0.52	0.52			4.28	11.00		1.02			Pass
HE20	MCS0	2	100	5500	106/53	0.58	0.58			4.41	11.00		1.02			Pass
HE20	MCS0	2	116	5580	Full	0.18	0.18			5.14	11.00		1.02			Pass
HE20	MCS0	2	116	5580	26/4	0.48	0.48			4.89	11.00		1.02			Pass
HE20	MCS0	2	116	5580	52/38	0.52	0.52			4.91	11.00		1.02			Pass
HE20	MCS0	2	116	5580	106/53	0.58	0.58			4.88	11.00		1.02			Pass
HE20	MCS0	2	140	5700	Full	0.18	0.18			4.45	11.00		1.02			Pass
HE20	MCS0	2	140	5700	26/8	0.48	0.48			4.38	11.00		1.02			Pass
HE20	MCS0	2	140	5700	52/40	0.52	0.52			4.32	11.00		1.02			Pass
HE20	MCS0	2	140	5700	106/54	0.58	0.58			4.35	11.00		1.02			Pass
HE40	MCS0	2	102	5510	Full	0.34	0.34			2.90	11.00		1.02			Pass
HE40	MCS0	2	110	5550	Full	0.34	0.34			2.68	11.00		1.02			Pass
HE40	MCS0	2	134	5670	Full	0.34	0.34			5.11	11.00		1.02			Pass
HE80	MCS0	2	106	5530	Full	0.35	0.35			-0.03	11.00		1.02			Pass
HE80	MCS0	2	122	5610	Full	0.35	0.35			2.03	11.00		1.02			Pass
HE160	MCS0	2	114	5570	Full	0.43	0.43			-4.89	11.00		1.02			Pass

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	144	5720	Full	0.18	0.18			4.47	11.00		1.02			Pass
HE20	MCS0	2	144	5720	26/8	0.48	0.48			4.42	11.00		1.02			Pass
HE20	MCS0	2	144	5720	52/40	0.52	0.52			4.42	11.00		1.02			Pass
HE20	MCS0	2	144	5720	106/54	0.58	0.58			4.46	11.00		1.02			Pass
HE40	MCS0	2	142	5710	Full	0.34	0.34			3.59	11.00		1.02			Pass
HE80	MCS0	2	138	5690	Full	0.35	0.35			1.69	11.00		1.02			Pass

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

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	149	5745	17.08	16.98	21.70	21.60	16.45	16.45	0.5	Pass
11a	6Mbps	2	157	5785	17.13	16.98	21.65	21.60	16.40	16.40	0.5	Pass
11a	6Mbps	2	165	5825	17.13	16.98	21.65	21.95	16.45	16.45	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 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4	
11a	6Mbps	2	149	5745	15.80	16.00	18.91	30.00		-1.30		Pass
11a	6Mbps	2	157	5785	15.50	15.40	18.46	30.00		-1.30		Pass
11a	6Mbps	2	165	5825	16.90	17.10	20.01	30.00		-1.30		Pass
HT20	MCS0	2	149	5745	15.40	15.60	18.51	30.00		-1.30		Pass
HT20	MCS0	2	157	5785	15.80	15.80	18.81	30.00		-1.30		Pass
HT20	MCS0	2	165	5825	17.10	17.10	20.11	30.00		-1.30		Pass
HT40	MCS0	2	151	5755	18.30	18.30	21.31	30.00		-1.30		Pass
HT40	MCS0	2	159	5795	18.30	18.30	21.31	30.00		-1.30		Pass
VHT20	MCS0	2	149	5745	15.40	15.70	18.56	30.00		-1.30		Pass
VHT20	MCS0	2	157	5785	15.80	15.90	18.86	30.00		-1.30		Pass
VHT20	MCS0	2	165	5825	17.10	17.20	20.16	30.00		-1.30		Pass
VHT40	MCS0	2	151	5755	18.30	18.40	21.36	30.00		-1.30		Pass
VHT40	MCS0	2	159	5795	18.30	18.40	21.36	30.00		-1.30		Pass
VHT80	MCS0	2	155	5775	19.40	19.50	22.46	30.00		-1.30		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4	
11a	6Mbps	2	149	5745	0.29	0.29	2.22		-0.52	-0.26	2.75	30.00		0.77		Pass
11a	6Mbps	2	157	5785	0.29	0.29	2.22		-0.31	0.05	3.06	30.00		0.77		Pass
11a	6Mbps	2	165	5825	0.29	0.29	2.22		0.38	0.73	3.74	30.00		0.77		Pass

Note: PSD Sum = Max PSD(Ant. 3, Ant. 4) + 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 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	149	5745	Full	19.18	19.18	21.95	21.75	19.10	19.10	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.18	19.18	21.90	21.90	19.10	19.05	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.18	19.18	22.00	28.25	19.00	19.10	0.5	Pass
HE40	MCS0	2	151	5755	Full	38.26	38.46	60.12	62.64	37.71	37.44	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.26	38.46	55.53	65.52	37.80	37.53	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.80	77.80	137.60	154.72	77.44	75.84	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4	
HE20	MCS0	2	149	5745	Full	15.50	15.70	18.61	30.00		-1.30		Pass
HE20	MCS0	2	149	5745	26/0	5.40	5.80	8.61	30.00		-1.30		Pass
HE20	MCS0	2	149	5745	52/37	8.80	8.80	11.81	30.00		-1.30		Pass
HE20	MCS0	2	149	5745	106/53	11.80	12.00	14.91	30.00		-1.30		Pass
HE20	MCS0	2	157	5785	Full	15.90	15.90	18.91	30.00		-1.30		Pass
HE20	MCS0	2	157	5785	26/4	5.60	5.40	8.51	30.00		-1.30		Pass
HE20	MCS0	2	157	5785	52/38	9.00	8.70	11.86	30.00		-1.30		Pass
HE20	MCS0	2	157	5785	106/53	11.80	12.00	14.91	30.00		-1.30		Pass
HE20	MCS0	2	165	5825	Full	17.20	17.20	20.21	30.00		-1.30		Pass
HE20	MCS0	2	165	5825	26/8	6.30	6.50	9.41	30.00		-1.30		Pass
HE20	MCS0	2	165	5825	52/40	10.60	10.40	13.51	30.00		-1.30		Pass
HE20	MCS0	2	165	5825	106/54	13.20	13.60	16.41	30.00		-1.30		Pass
HE40	MCS0	2	151	5755	Full	18.40	18.40	21.41	30.00		-1.30		Pass
HE40	MCS0	2	159	5795	Full	18.40	18.40	21.41	30.00		-1.30		Pass
HE80	MCS0	2	155	5775	Full	19.50	19.60	22.56	30.00		-1.30		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4	
HE20	MCS0	2	149	5745	Full	0.18	0.18	2.22		-0.91	-0.96	2.10	30.00		0.77		Pass
HE20	MCS0	2	149	5745	26/0	0.48	0.48	2.22		-1.47	-1.45	1.56	30.00		0.77		Pass
HE20	MCS0	2	149	5745	52/37	0.52	0.52	2.22		-1.17	-1.21	1.84	30.00		0.77		Pass
HE20	MCS0	2	149	5745	106/53	0.58	0.58	2.22		-1.34	-1.08	1.93	30.00		0.77		Pass
HE20	MCS0	2	157	5785	Full	0.18	0.18	2.22		-0.53	-0.42	2.59	30.00		0.77		Pass
HE20	MCS0	2	157	5785	26/4	0.48	0.48	2.22		-0.93	-1.02	2.08	30.00		0.77		Pass
HE20	MCS0	2	157	5785	52/38	0.52	0.52	2.22		-0.64	-0.77	2.37	30.00		0.77		Pass
HE20	MCS0	2	157	5785	106/53	0.58	0.58	2.22		-0.59	-0.46	2.55	30.00		0.77		Pass
HE20	MCS0	2	165	5825	Full	0.18	0.18	2.22		0.73	0.68	3.74	30.00		0.77		Pass
HE20	MCS0	2	165	5825	26/8	0.48	0.48	2.22		0.34	0.37	3.38	30.00		0.77		Pass
HE20	MCS0	2	165	5825	52/40	0.52	0.52	2.22		0.57	0.55	3.58	30.00		0.77		Pass
HE20	MCS0	2	165	5825	106/54	0.58	0.58	2.22		0.47	0.55	3.56	30.00		0.77		Pass
HE40	MCS0	2	151	5755	Full	0.34	0.34	2.22		-1.18	-1.15	1.86	30.00		0.77		Pass
HE40	MCS0	2	159	5795	Full	0.34	0.34	2.22		-0.93	-0.71	2.30	30.00		0.77		Pass
HE80	MCS0	2	155	5775	Full	0.35	0.35	2.22		-2.60	-2.68	0.41	30.00		0.77		Pass

Note: PSD Sum = Max PSD(Ant. 3, Ant. 4) + 10 log (n)

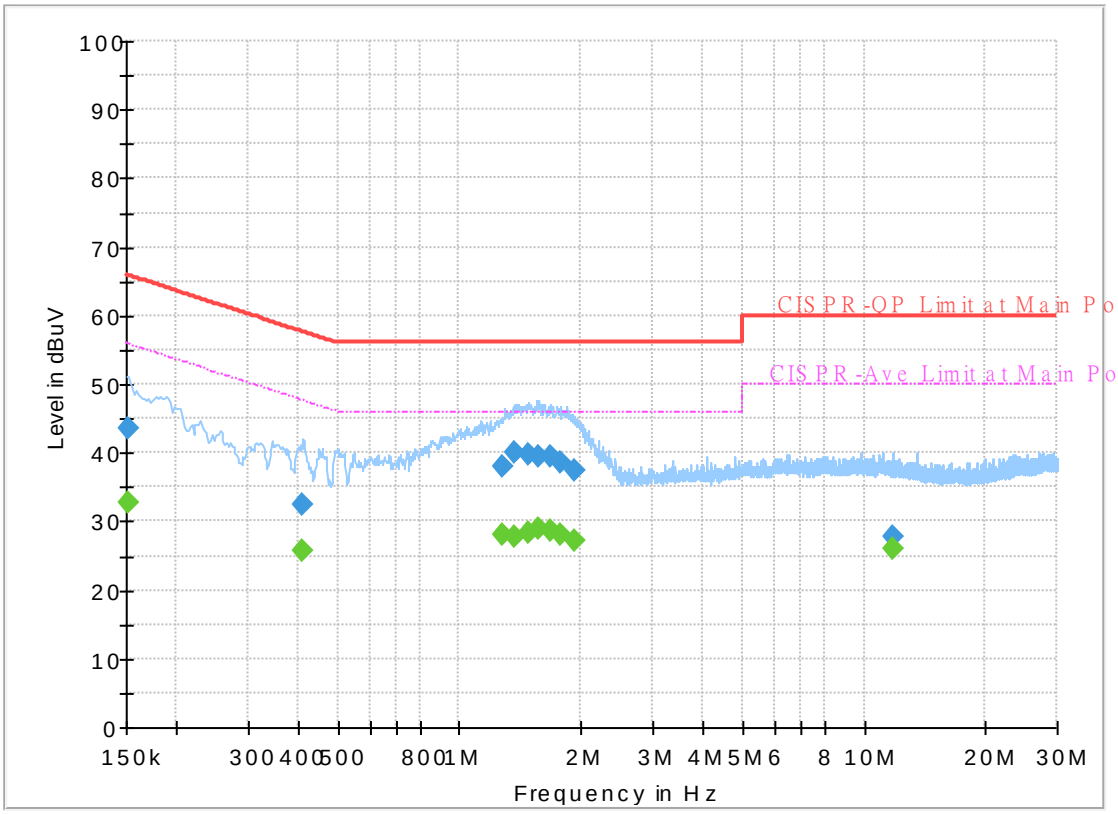
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	262403-04
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



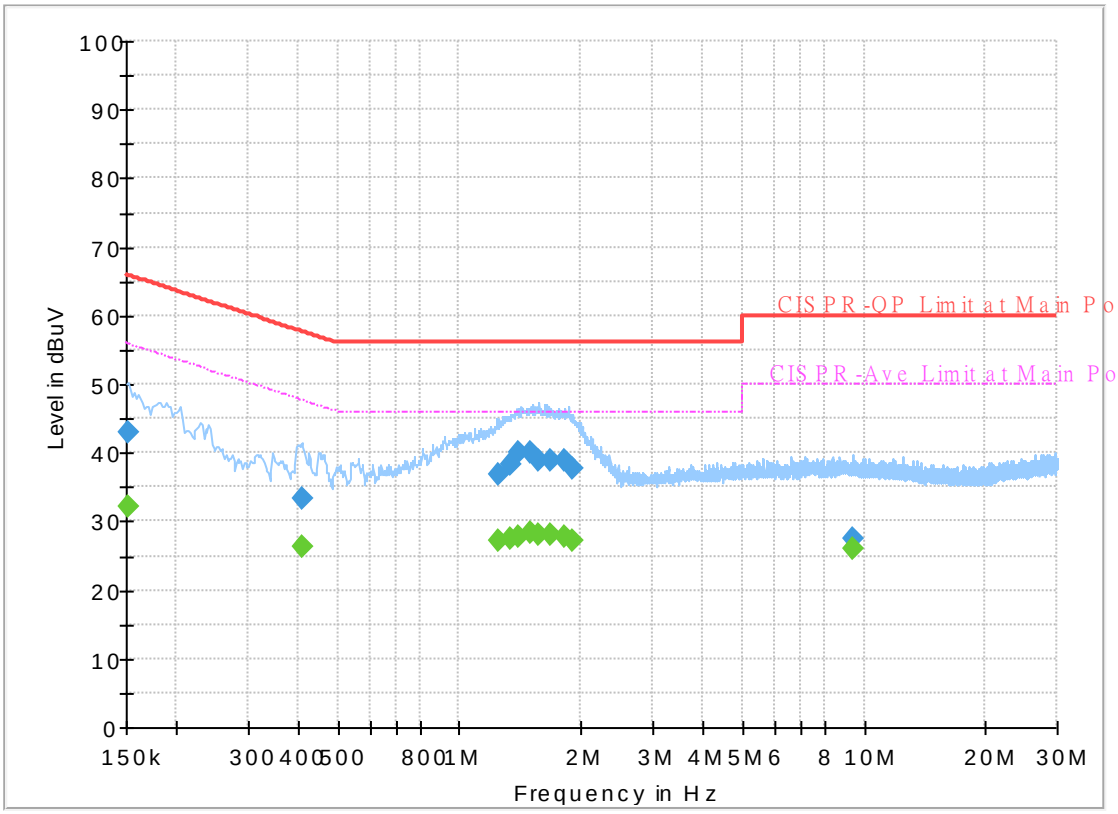
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.67	55.88	23.21	L1	OFF	19.8
0.152250	43.70	---	65.88	22.18	L1	OFF	19.8
0.411000	---	25.68	47.63	21.95	L1	OFF	19.8
0.411000	32.36	---	57.63	25.27	L1	OFF	19.8
1.279500	---	27.96	46.00	18.04	L1	OFF	19.8
1.279500	38.03	---	56.00	17.97	L1	OFF	19.8
1.360500	---	27.84	46.00	18.16	L1	OFF	19.8
1.360500	40.11	---	56.00	15.89	L1	OFF	19.8
1.477500	---	28.32	46.00	17.68	L1	OFF	19.9
1.477500	39.83	---	56.00	16.17	L1	OFF	19.9
1.574250	---	28.90	46.00	17.10	L1	OFF	19.9
1.574250	39.41	---	56.00	16.59	L1	OFF	19.9
1.680000	---	28.79	46.00	17.21	L1	OFF	19.9
1.680000	39.47	---	56.00	16.53	L1	OFF	19.9
1.776750	---	28.05	46.00	17.95	L1	OFF	19.9
1.776750	38.66	---	56.00	17.34	L1	OFF	19.9
1.923000	---	27.18	46.00	18.82	L1	OFF	19.9
1.923000	37.44	---	56.00	18.56	L1	OFF	19.9
11.751000	---	25.99	50.00	24.01	L1	OFF	20.3
11.751000	27.70	---	60.00	32.30	L1	OFF	20.3

EUT Information

Report NO :	262403-04
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.05	55.88	23.83	N	OFF	19.8
0.152250	42.91	---	65.88	22.97	N	OFF	19.8
0.411000	---	26.24	47.63	21.39	N	OFF	19.8
0.411000	33.36	---	57.63	24.27	N	OFF	19.8
1.243500	---	27.26	46.00	18.74	N	OFF	19.8
1.243500	36.83	---	56.00	19.17	N	OFF	19.8
1.335750	---	27.47	46.00	18.53	N	OFF	19.8
1.335750	38.42	---	56.00	17.58	N	OFF	19.8
1.401000	---	27.72	46.00	18.28	N	OFF	19.8
1.401000	40.05	---	56.00	15.95	N	OFF	19.8
1.500000	---	28.42	46.00	17.58	N	OFF	19.8
1.500000	40.15	---	56.00	15.85	N	OFF	19.8
1.572000	---	28.15	46.00	17.85	N	OFF	19.8
1.572000	38.78	---	56.00	17.22	N	OFF	19.8
1.677750	---	28.17	46.00	17.83	N	OFF	19.8
1.677750	38.87	---	56.00	17.13	N	OFF	19.8
1.812750	---	27.66	46.00	18.34	N	OFF	19.8
1.812750	38.89	---	56.00	17.11	N	OFF	19.8
1.911750	---	27.11	46.00	18.89	N	OFF	19.8
1.911750	37.86	---	56.00	18.14	N	OFF	19.8
9.379500	---	25.98	50.00	24.02	N	OFF	20.2

9.379500	**27.62**	**---**	**60.00**	**32.38**	**N**	**OFF**	**20.2**

Appendix C. Radiated Spurious Emission

Test Engineer :	Jacky Hong, Rain Lee and Mancy Chou	Temperature :	20~26°C
		Relative Humidity :	40~65%

<Open Mode>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
3+4		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.5	54.77	-19.23	74	43.9	32.1	6.21	27.44	100	206	P	H
		5150	47.45	-6.55	54	36.57	32.1	6.22	27.44	100	206	A	H
	*	5180	108.32	-	-	97.53	31.98	6.25	27.44	100	206	P	H
	*	5180	99.27	-	-	88.48	31.98	6.25	27.44	100	206	A	H
													H
													H
		5139.1	58.18	-15.82	74	47.32	32.1	6.2	27.44	315	43	P	V
		5150	45.94	-8.06	54	35.06	32.1	6.22	27.44	315	43	A	V
	*	5180	107.95	-	-	97.16	31.98	6.25	27.44	315	43	P	V
	*	5180	101.18	-	-	90.39	31.98	6.25	27.44	315	43	A	V
													V
													V
802.11a CH 44 5220MHz		5070.72	52.83	-21.17	74	42.11	32.04	6.13	27.45	100	201	P	H
		5111.02	43.74	-10.26	54	32.92	32.1	6.17	27.45	100	201	A	H
	*	5220	107.68	-	-	97.01	31.82	6.28	27.43	100	201	P	H
	*	5220	100.39	-	-	89.72	31.82	6.28	27.43	100	201	A	H
		5423.32	50.55	-23.45	74	39.73	31.89	6.34	27.41	100	201	P	H
		5456.92	41.77	-12.23	54	30.81	32.01	6.36	27.41	100	201	A	H
		5087.62	53.29	-20.71	74	42.51	32.08	6.15	27.45	348	48	P	V
		5112.32	43.77	-10.23	54	32.95	32.1	6.17	27.45	348	48	A	V
	*	5220	106.89	-	-	96.22	31.82	6.28	27.43	348	48	P	V
	*	5220	101.36	-	-	90.69	31.82	6.28	27.43	348	48	A	V
		5446	51.27	-22.73	74	40.34	31.98	6.36	27.41	348	48	P	V
		5455.8	41.83	-12.17	54	30.87	32.01	6.36	27.41	348	48	A	V

802.11a CH 48 5240MHz		5144.82	53.82	-20.18	74	42.95	32.1	6.21	27.44	100	204	P	H
		5115.7	43.71	-10.29	54	32.88	32.1	6.18	27.45	100	204	A	H
	*	5240	106.32	-	-	95.73	31.74	6.28	27.43	100	204	P	H
	*	5240	101.14	-	-	90.55	31.74	6.28	27.43	100	204	A	H
		5356.12	51.75	-22.25	74	41.31	31.54	6.32	27.42	100	204	P	H
		5440.96	42	-12	54	31.1	31.96	6.35	27.41	100	204	A	H
		5021.32	52.87	-21.13	74	42.32	31.94	6.07	27.46	327	46	P	V
		5096.72	43.81	-10.19	54	33.01	32.09	6.16	27.45	327	46	A	V
	*	5240	106.59	-	-	96	31.74	6.28	27.43	327	46	P	V
	*	5240	101.77	-	-	91.18	31.74	6.28	27.43	327	46	A	V
		5395.88	50.7	-23.3	74	40	31.78	6.33	27.41	327	46	P	V
		5458.04	41.81	-12.19	54	30.84	32.02	6.36	27.41	327	46	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	52.85	-15.35	68.2	59.54	40.1	9.78	56.57	-	-	P	H
		15540	45.55	-28.45	74	51.01	39.02	12.05	56.53	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 36 5180MHz													H
		10360	64.88	-3.32	68.2	71.57	40.1	9.78	56.57	100	303	P	V
		15540	59.56	-14.44	74	65.02	39.02	12.05	56.53	100	303	P	V
		15540	43.36	-10.64	54	48.82	39.02	12.05	56.53	100	303	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	54.15	-14.05	68.2	60.5	40.3	9.82	56.47	-	-	P	H
		15660	57.9	-16.1	74	63.63	38.6	12.04	56.37	114	345	P	H
		15660	44.02	-9.98	54	49.75	38.6	12.04	56.37	114	345	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz		10440	64.41	-3.79	68.2	70.76	40.3	9.82	56.47	100	307	P	V
		15660	63.7	-10.3	74	69.43	38.6	12.04	56.37	100	304	P	V
		15660	50.52	-3.48	54	56.25	38.6	12.04	56.37	100	304	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	53.15	-15.05	68.2	59.42	40.3	9.85	56.42	-	-	P	H
		15720	55.27	-18.73	74	60.91	38.6	12.05	56.29	100	315	P	H
		15720	42.06	-11.94	54	47.7	38.6	12.05	56.29	100	315	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 48 5240MHz		10480	60.94	-7.26	68.2	67.21	40.3	9.85	56.42	100	255	P	V
		15720	63.93	-10.07	74	69.57	38.6	12.05	56.29	115	304	P	V
		15720	49.55	-4.45	54	55.19	38.6	12.05	56.29	115	304	A	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 1 - 5150~5250MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5146.38	61.68	-12.32	74	50.81	32.1	6.21	27.44	100	215	P	H
		5150	52.2	-1.8	54	41.32	32.1	6.22	27.44	100	215	A	H
	*	5180	109.35	-	-	98.56	31.98	6.25	27.44	100	215	P	H
	*	5180	100.83	-	-	90.04	31.98	6.25	27.44	100	215	A	H
802.11ax													H
HE20 Full													H
CH 36		5143.26	61	-13	74	50.13	32.1	6.21	27.44	399	50	P	V
5180MHz		5149.76	52.01	-1.99	54	41.14	32.1	6.21	27.44	399	50	A	V
	*	5180	108.72	-	-	97.93	31.98	6.25	27.44	399	50	P	V
	*	5180	100.58	-	-	89.79	31.98	6.25	27.44	399	50	A	V
													V
													V
		5098.54	53.09	-20.91	74	42.28	32.1	6.16	27.45	108	214	P	H
		5107.64	44.02	-9.98	54	33.2	32.1	6.17	27.45	108	214	A	H
	*	5220	107.67	-	-	97	31.82	6.28	27.43	108	214	P	H
	*	5220	100.7	-	-	90.03	31.82	6.28	27.43	108	214	A	H
802.11ax		5416.04	51.53	-22.47	74	40.74	31.86	6.34	27.41	108	214	P	H
HE20 Full		5449.64	41.85	-12.15	54	30.9	32	6.36	27.41	108	214	A	H
CH 44		5113.1	53.45	-20.55	74	42.63	32.1	6.17	27.45	390	49	P	V
5220MHz		5117.78	43.89	-10.11	54	33.06	32.1	6.18	27.45	390	49	A	V
	*	5220	107.66	-	-	96.99	31.82	6.28	27.43	390	49	P	V
	*	5220	100.29	-	-	89.62	31.82	6.28	27.43	390	49	A	V
		5411	50.43	-23.57	74	39.66	31.84	6.34	27.41	390	49	P	V
		5457.48	41.93	-12.07	54	30.97	32.01	6.36	27.41	390	49	A	V

		5125.06	54.1	-19.9	74	43.25	32.1	6.19	27.44	100	236	P	H
		5126.1	43.88	-10.12	54	33.03	32.1	6.19	27.44	100	236	A	H
	*	5240	107.88	-	-	97.29	31.74	6.28	27.43	100	236	P	H
	*	5240	99.87	-	-	89.28	31.74	6.28	27.43	100	236	A	H
802.11ax		5446.28	50.88	-23.12	74	39.94	31.99	6.36	27.41	100	236	P	H
HE20 Full		5458.6	41.98	-12.02	54	31	32.02	6.36	27.4	100	236	A	H
CH 48		5110.76	53.18	-20.82	74	42.36	32.1	6.17	27.45	398	132	P	V
5240MHz		5101.66	43.63	-10.37	54	32.82	32.1	6.16	27.45	398	132	A	V
	*	5240	105.74	-	-	95.15	31.74	6.28	27.43	398	132	P	V
	*	5240	98.73	-	-	88.14	31.74	6.28	27.43	398	132	A	V
		5441.52	50.8	-23.2	74	39.89	31.97	6.35	27.41	398	132	P	V
		5447.96	41.75	-12.25	54	30.81	31.99	6.36	27.41	398	132	A	V

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

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	52.48	-15.72	68.2	59.17	40.1	9.78	56.57	-	-	P	H
		15540	47.85	-26.15	74	53.31	39.02	12.05	56.53	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	63.32	-4.88	68.2	70.01	40.1	9.78	56.57	100	303	P	V
5180MHz		15540	60.76	-13.24	74	66.22	39.02	12.05	56.53	114	302	P	V
		15540	47.2	-6.8	54	52.66	39.02	12.05	56.53	114	302	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	53.98	-14.22	68.2	60.33	40.3	9.82	56.47	-	-	P	H
		15660	56.99	-17.01	74	62.72	38.6	12.04	56.37	136	344	P	H
		15660	43.91	-10.09	54	49.64	38.6	12.04	56.37	136	344	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	58.18	-10.02	68.2	64.53	40.3	9.82	56.47	-	-	P	V
5220MHz		15660	64.57	-9.43	74	70.3	38.6	12.04	56.37	109	306	P	V
		15660	50.45	-3.55	54	56.18	38.6	12.04	56.37	109	306	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	52.19	-16.01	68.2	58.46	40.3	9.85	56.42	-	-	P	H
		15720	56.69	-17.31	74	62.33	38.6	12.05	56.29	124	347	P	H
		15720	42.67	-11.33	54	48.31	38.6	12.05	56.29	124	347	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	57.86	-10.34	68.2	64.13	40.3	9.85	56.42	-	-	P	V
5240MHz		15720	63.76	-10.24	74	69.4	38.6	12.05	56.29	110	305	P	V
		15720	49.93	-4.07	54	55.57	38.6	12.05	56.29	110	305	A	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 1 5150~5250MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.76	64.99	-9.01	74	54.12	32.1	6.21	27.44	100	213	P	H
		5149.5	52.06	-1.94	54	41.19	32.1	6.21	27.44	100	213	A	H
	*	5190	103.31	-	-	92.55	31.94	6.26	27.44	100	213	P	H
	*	5190	95.45	-	-	84.69	31.94	6.26	27.44	100	213	A	H
802.11ax		5434.24	51.08	-22.92	74	40.2	31.94	6.35	27.41	100	213	P	H
HE40 Full		5457.2	41.89	-12.11	54	30.93	32.01	6.36	27.41	100	213	A	H
CH 38		5149.5	64.85	-9.15	74	53.98	32.1	6.21	27.44	395	47	P	V
5190MHz		5150	51.01	-2.99	54	40.13	32.1	6.22	27.44	395	47	A	V
	*	5190	103.69	-	-	92.93	31.94	6.26	27.44	395	47	P	V
	*	5190	94.83	-	-	84.07	31.94	6.26	27.44	395	47	A	V
		5423.32	51.6	-22.4	74	40.78	31.89	6.34	27.41	395	47	P	V
		5456.08	41.69	-12.31	54	30.73	32.01	6.36	27.41	395	47	A	V
		5149.5	57.29	-16.71	74	46.42	32.1	6.21	27.44	100	218	P	H
		5148.98	47.79	-6.21	54	36.92	32.1	6.21	27.44	100	218	A	H
	*	5230	105.39	-	-	94.76	31.78	6.28	27.43	100	218	P	H
	*	5230	98.29	-	-	87.66	31.78	6.28	27.43	100	218	A	H
802.11ax		5419.68	50.99	-23.01	74	40.18	31.88	6.34	27.41	100	218	P	H
HE40 Full		5452.44	42.08	-11.92	54	31.13	32	6.36	27.41	100	218	A	H
CH 46		5148.72	54.04	-19.96	74	43.17	32.1	6.21	27.44	400	138	P	V
5230MHz		5149.76	45.48	-8.52	54	34.61	32.1	6.21	27.44	400	138	A	V
	*	5230	104.32	-	-	93.69	31.78	6.28	27.43	400	138	P	V
	*	5230	96.91	-	-	86.28	31.78	6.28	27.43	400	138	A	V
		5382.72	50.88	-23.12	74	40.27	31.7	6.32	27.41	400	138	P	V
		5459.16	41.82	-12.18	54	30.84	32.02	6.36	27.4	400	138	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	49.84	-18.36	68.2	56.39	40.2	9.79	56.54	-	-	P	H
		15570	43.52	-30.48	74	49.15	38.81	12.05	56.49	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	55.41	-12.79	68.2	61.96	40.2	9.79	56.54	-	-	P	V
5190MHz		15570	45.1	-28.9	74	50.73	38.81	12.05	56.49	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	51.04	-17.16	68.2	57.35	40.3	9.84	56.45	-	-	P	H
		15690	54.84	-19.16	74	60.53	38.6	12.04	56.33	129	218	P	H
		15690	42.47	-11.53	54	48.16	38.6	12.04	56.33	129	218	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	54.64	-13.56	68.2	60.95	40.3	9.84	56.45	-	-	P	V
5230MHz		15690	63.48	-10.52	74	69.17	38.6	12.04	56.33	109	303	P	V
		15690	50.68	-3.32	54	56.37	38.6	12.04	56.33	109	303	A	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 1 5150~5250MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5149.76	63.06	-10.94	74	52.19	32.1	6.21	27.44	100	219	P	H
		5149.76	51.98	-2.02	54	41.11	32.1	6.21	27.44	100	219	P	H
	*	5210	100.77	-	-	90.07	31.86	6.27	27.43	100	219	P	H
	*	5210	92.19	-	-	81.49	31.86	6.27	27.43	100	219	A	H
		5455.24	51.43	-22.57	74	40.47	32.01	6.36	27.41	100	219	P	H
		5444.88	42.01	-11.99	54	31.09	31.98	6.35	27.41	100	219	A	H
		5148.98	63.3	-10.7	74	52.43	32.1	6.21	27.44	382	46	P	V
		5150	51.88	-2.12	54	41	32.1	6.22	27.44	382	46	A	V
	*	5210	98.08	-	-	87.38	31.86	6.27	27.43	382	46	P	V
	*	5210	90.19	-	-	79.49	31.86	6.27	27.43	382	46	A	V
		5458.88	51.09	-22.91	74	40.11	32.02	6.36	27.4	382	46	P	V
		5454.4	42	-12	54	31.04	32.01	6.36	27.41	382	46	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	45.98	-22.22	68.2	52.37	40.3	9.81	56.5	-	-	P	H
		15630	44.14	-29.86	74	49.9	38.6	12.05	56.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	51.37	-16.83	68.2	57.76	40.3	9.81	56.5	100	239	P	V
5210MHz		15630	44.63	-29.37	74	50.39	38.6	12.05	56.41	-	-	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 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 50 5250MHz		5134.64	64.41	-9.59	74	53.55	32.1	6.2	27.44	109	217	P	H
		5136.34	51.42	-2.58	54	40.56	32.1	6.2	27.44	109	217	A	H
	*	5250	96.71	-	-	86.16	31.7	6.28	27.43	109	217	P	H
	*	5250	86.72	-	-	76.17	31.7	6.28	27.43	109	217	A	H
		5375.28	64.73	-9.27	74	54.17	31.65	6.32	27.41	109	217	P	H
		5375.28	51.27	-2.73	54	40.71	31.65	6.32	27.41	109	217	A	H
		5136.68	64.43	-9.57	74	53.57	32.1	6.2	27.44	388	53	P	V
		5135.66	49.79	-4.21	54	38.93	32.1	6.2	27.44	388	53	A	V
	*	5250	95.44	-	-	84.89	31.7	6.28	27.43	388	53	P	V
	*	5250	86.18	-	-	75.63	31.7	6.28	27.43	388	53	A	V
		5374.32	62.49	-11.51	74	51.94	31.65	6.32	27.42	388	53	P	V
		5376.96	50.75	-3.25	54	40.18	31.66	6.32	27.41	388	53	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10500	47.16	-21.04	68.2	53.4	40.3	9.86	56.4	-	-	P	H
		15750	44.92	-29.08	74	50.53	38.6	12.04	56.25	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 50		10500	46.83	-21.37	68.2	53.07	40.3	9.86	56.4	-	-	P	V
5250MHz		15750	44.01	-29.99	74	49.62	38.6	12.04	56.25	-	-	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 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5056.44	52.46	-21.54	74	41.79	32.01	6.11	27.45	100	205	P	H
		5118.66	43.52	-10.48	54	32.69	32.1	6.18	27.45	100	205	A	H
	*	5260	109.03	-	-	98.51	31.66	6.29	27.43	100	205	P	H
	*	5260	101.47	-	-	90.95	31.66	6.29	27.43	100	205	A	H
		5453.04	50.8	-23.2	74	39.84	32.01	6.36	27.41	100	205	P	H
		5451.84	41.73	-12.27	54	30.78	32	6.36	27.41	100	205	A	H
		5097.24	52.37	-21.63	74	41.57	32.09	6.16	27.45	327	45	P	V
		5115.26	43.71	-10.29	54	32.88	32.1	6.18	27.45	327	45	A	V
	*	5260	108.51	-	-	97.99	31.66	6.29	27.43	327	45	P	V
	*	5260	101.21	-	-	90.69	31.66	6.29	27.43	327	45	A	V
		5351.52	54.05	-19.95	74	43.64	31.51	6.32	27.42	327	45	P	V
		5455.92	41.88	-12.12	54	30.92	32.01	6.36	27.41	327	45	A	V
802.11a CH 60 5300MHz		5128.52	51.9	-22.1	74	41.05	32.1	6.19	27.44	100	206	P	H
		5115.26	43.37	-10.63	54	32.54	32.1	6.18	27.45	100	206	A	H
	*	5300	108.33	-	-	97.95	31.5	6.3	27.42	100	206	P	H
	*	5300	100.67	-	-	90.29	31.5	6.3	27.42	100	206	A	H
		5354.64	59.42	-14.58	74	48.99	31.53	6.32	27.42	100	206	P	H
		5457.6	41.78	-12.22	54	30.81	32.02	6.36	27.41	100	206	A	H
		5140.42	52.75	-21.25	74	41.89	32.1	6.2	27.44	339	51	P	V
		5109.14	43.28	-10.72	54	32.46	32.1	6.17	27.45	339	51	A	V
	*	5300	108.44	-	-	98.06	31.5	6.3	27.42	339	51	P	V
	*	5300	100.57	-	-	90.19	31.5	6.3	27.42	339	51	A	V
		5412.72	54.32	-19.68	74	43.54	31.85	6.34	27.41	339	51	P	V
		5442.72	42.21	-11.79	54	31.3	31.97	6.35	27.41	339	51	A	V

802.11a CH 64 5320MHz	*	5320	106.14	-	-	95.75	31.5	6.31	27.42	110	206	P	H
	*	5320	99.68	-	-	89.29	31.5	6.31	27.42	110	206	A	H
		5350.72	66.13	-7.87	74	55.73	31.5	6.32	27.42	110	206	P	H
		5350.4	49.67	-4.33	54	39.27	31.5	6.32	27.42	110	206	A	H
													H
													H
	*	5320	107.87	-	-	97.48	31.5	6.31	27.42	337	49	P	V
	*	5320	99.51	-	-	89.12	31.5	6.31	27.42	337	49	A	V
		5355.36	65.28	-8.72	74	54.85	31.53	6.32	27.42	337	49	P	V
		5351.2	48.65	-5.35	54	38.24	31.51	6.32	27.42	337	49	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	52.01	-16.19	68.2	58.22	40.32	9.87	56.4	-	-	P	H
		15780	56.78	-17.22	74	62.35	38.6	12.04	56.21	100	296	P	H
		15780	42.77	-11.23	54	48.34	38.6	12.04	56.21	100	296	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	58.29	-9.91	68.2	64.5	40.32	9.87	56.4	-	-	P	V
		15780	64.83	-9.17	74	70.4	38.6	12.04	56.21	119	304	P	V
		15780	50.89	-3.11	54	56.46	38.6	12.04	56.21	119	304	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	52.81	-21.19	74	58.89	40.4	9.92	56.4	107	307	P	H
		10600	42.63	-11.37	54	48.71	40.4	9.92	56.4	107	307	A	H
		15900	56.76	-17.24	74	62.38	38.4	12.03	56.05	100	296	P	H
		15900	43.02	-10.98	54	48.64	38.4	12.03	56.05	100	296	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 60 5300MHz													H
		10600	55.02	-18.98	74	61.1	40.4	9.92	56.4	100	295	P	V
		10600	46.19	-7.81	54	52.27	40.4	9.92	56.4	100	295	A	V
		15900	64.11	-9.89	74	69.73	38.4	12.03	56.05	108	307	P	V
		15900	50.43	-3.57	54	56.05	38.4	12.03	56.05	108	307	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	55.11	-18.89	74	61.09	40.48	9.94	56.4	105	209	P	H
		10640	43.8	-10.2	54	49.78	40.48	9.94	56.4	105	209	A	H
		15960	59.1	-14.9	74	64.7	38.34	12.03	55.97	100	299	P	H
		15960	44.89	-9.11	54	50.49	38.34	12.03	55.97	100	299	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz		10640	55.07	-18.93	74	61.05	40.48	9.94	56.4	100	235	P	V
		10640	46.37	-7.63	54	52.35	40.48	9.94	56.4	100	235	A	V
		15960	63.05	-10.95	74	68.65	38.34	12.03	55.97	100	244	P	V
		15960	50.29	-3.71	54	55.89	38.34	12.03	55.97	100	244	A	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 2 5250~5350MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5097.92	53.24	-20.76	74	42.43	32.1	6.16	27.45	100	214	P	H
		5119.68	43.75	-10.25	54	32.92	32.1	6.18	27.45	100	214	A	H
	*	5260	108.78	-	-	98.26	31.66	6.29	27.43	100	214	P	H
	*	5260	99.8	-	-	89.28	31.66	6.29	27.43	100	214	A	H
802.11ax		5397.36	51.03	-22.97	74	40.33	31.78	6.33	27.41	100	214	P	H
HE20 Full		5459.28	41.95	-12.05	54	30.97	32.02	6.36	27.4	100	214	A	H
CH 52		5107.44	52.05	-21.95	74	41.23	32.1	6.17	27.45	400	55	P	V
5260MHz		5147.22	43.6	-10.4	54	32.73	32.1	6.21	27.44	400	55	A	V
	*	5260	106.51	-	-	95.99	31.66	6.29	27.43	400	55	P	V
	*	5260	97.96	-	-	87.44	31.66	6.29	27.43	400	55	A	V
		5437.44	51	-23	74	40.11	31.95	6.35	27.41	400	55	P	V
		5459.28	41.9	-12.1	54	30.92	32.02	6.36	27.4	400	55	A	V
		5103.7	52.57	-21.43	74	41.76	32.1	6.16	27.45	100	234	P	H
		5114.24	43.48	-10.52	54	32.65	32.1	6.18	27.45	100	234	A	H
	*	5300	106.43	-	-	96.05	31.5	6.3	27.42	100	234	P	H
	*	5300	98.94	-	-	88.56	31.5	6.3	27.42	100	234	A	H
802.11ax		5360.4	52.09	-21.91	74	41.63	31.56	6.32	27.42	100	234	P	H
HE20 Full		5350.56	42.84	-11.16	54	32.44	31.5	6.32	27.42	100	234	A	H
CH 60		5083.64	52.84	-21.16	74	42.08	32.07	6.14	27.45	378	50	P	V
5300MHz		5148.58	43.48	-10.52	54	32.61	32.1	6.21	27.44	378	50	A	V
	*	5300	106.72	-	-	96.34	31.5	6.3	27.42	378	50	P	V
	*	5300	98.54	-	-	88.16	31.5	6.3	27.42	378	50	A	V
		5451.12	50.89	-23.11	74	39.94	32	6.36	27.41	378	50	P	V
		5460	42.28	-11.72	54	31.3	32.02	6.36	27.4	378	50	A	V

	*	5320	106.6	-	-	96.21	31.5	6.31	27.42	100	234	P	H
	*	5320	97.93	-	-	87.54	31.5	6.31	27.42	100	234	A	H
		5350.24	64.33	-9.67	74	53.93	31.5	6.32	27.42	100	234	P	H
		5350.4	50.25	-3.75	54	39.85	31.5	6.32	27.42	100	234	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	106.16	-	-	95.77	31.5	6.31	27.42	394	46	P	V
5320MHz	*	5320	96.96	-	-	86.57	31.5	6.31	27.42	394	46	A	V
		5352.64	61.34	-12.66	74	50.92	31.52	6.32	27.42	394	46	P	V
		5350.08	50.46	-3.54	54	40.06	31.5	6.32	27.42	394	46	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	51.74	-16.46	68.2	57.95	40.32	9.87	56.4	-	-	P	H
		15780	54.52	-19.48	74	60.09	38.6	12.04	56.21	100	347	P	H
		15780	42.17	-11.83	54	47.74	38.6	12.04	56.21	100	347	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	55.01	-13.19	68.2	61.22	40.32	9.87	56.4	-	-	P	V
5260MHz		15780	63.57	-10.43	74	69.14	38.6	12.04	56.21	110	304	P	V
		15780	50.37	-3.63	54	55.94	38.6	12.04	56.21	110	304	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	53.8	-20.2	74	59.88	40.4	9.92	56.4	100	211	P	H
		10600	43.67	-10.33	54	49.75	40.4	9.92	56.4	100	211	A	H
		15900	53.62	-20.38	74	59.24	38.4	12.03	56.05	100	296	P	H
		15900	42.69	-11.31	54	48.31	38.4	12.03	56.05	100	296	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	54.62	-19.38	74	60.7	40.4	9.92	56.4	100	307	P	V
5300MHz		10600	44.87	-9.13	54	50.95	40.4	9.92	56.4	100	307	A	V
		15900	62.23	-11.77	74	67.85	38.4	12.03	56.05	110	308	P	V
		15900	50.37	-3.63	54	55.99	38.4	12.03	56.05	110	308	A	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	54.75	-19.25	74	60.73	40.48	9.94	56.4	100	213	P	H
		10640	43.93	-10.07	54	49.91	40.48	9.94	56.4	100	213	A	H
		15960	54.53	-19.47	74	60.13	38.34	12.03	55.97	105	303	P	H
		15960	43	-11	54	48.6	38.34	12.03	55.97	105	303	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	53.88	-20.12	74	59.86	40.48	9.94	56.4	100	231	P	V
5320MHz		10640	44.08	-9.92	54	50.06	40.48	9.94	56.4	100	231	A	V
		15960	61.56	-12.44	74	67.16	38.34	12.03	55.97	113	306	P	V
		15960	49.46	-4.54	54	55.06	38.34	12.03	55.97	113	306	A	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 2 5250~5350MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5143.48	53.9	-20.1	74	43.03	32.1	6.21	27.44	100	214	P	H
		5149.6	44.43	-9.57	54	33.56	32.1	6.21	27.44	100	214	A	H
	*	5270	106.64	-	-	96.16	31.62	6.29	27.43	100	214	P	H
	*	5270	97.16	-	-	86.68	31.62	6.29	27.43	100	214	A	H
802.11ax		5351.04	55.49	-18.51	74	45.08	31.51	6.32	27.42	100	214	P	H
HE40 Full		5351.28	45.93	-8.07	54	35.52	31.51	6.32	27.42	100	214	A	H
CH 54		5075.82	53.48	-20.52	74	42.75	32.05	6.13	27.45	387	53	P	V
5270MHz		5121.04	44.16	-9.84	54	33.33	32.1	6.18	27.45	387	53	A	V
	*	5270	106.15	-	-	95.67	31.62	6.29	27.43	387	53	P	V
	*	5270	97.33	-	-	86.85	31.62	6.29	27.43	387	53	A	V
		5355.12	53.91	-20.09	74	43.48	31.53	6.32	27.42	387	53	P	V
		5351.28	44.9	-9.1	54	34.49	31.51	6.32	27.42	387	53	A	V
		5125.12	52.68	-21.32	74	41.83	32.1	6.19	27.44	107	218	P	H
		5116.62	43.4	-10.6	54	32.57	32.1	6.18	27.45	107	218	A	H
	*	5310	101.01	-	-	90.63	31.5	6.3	27.42	107	218	P	H
	*	5310	93.17	-	-	82.79	31.5	6.3	27.42	107	218	A	H
802.11ax		5350.32	63.3	-10.7	74	52.9	31.5	6.32	27.42	107	218	P	H
HE40 Full		5350.08	51.9	-2.1	54	41.5	31.5	6.32	27.42	107	218	A	H
CH 62		5081.26	52.09	-21.91	74	41.34	32.06	6.14	27.45	320	54	P	V
5310MHz		5111.52	43.38	-10.62	54	32.56	32.1	6.17	27.45	320	54	A	V
	*	5310	103.42	-	-	93.04	31.5	6.3	27.42	320	54	P	V
	*	5310	93.54	-	-	83.16	31.5	6.3	27.42	320	54	A	V
		5350.32	61.15	-12.85	74	50.75	31.5	6.32	27.42	320	54	P	V
		5350.56	51.32	-2.68	54	40.92	31.5	6.32	27.42	320	54	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	50.82	-17.38	68.2	57	40.34	9.88	56.4	-	-	P	H
		15810	56.01	-17.99	74	61.56	38.58	12.04	56.17	108	345	P	H
		15810	42.71	-11.29	54	48.26	38.58	12.04	56.17	108	345	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	53.3	-14.9	68.2	59.48	40.34	9.88	56.4	-	-	P	V
5270MHz		15810	62.23	-11.77	74	67.78	38.58	12.04	56.17	110	306	P	V
		15810	50.9	-3.1	54	56.45	38.58	12.04	56.17	110	306	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	45.88	-28.12	74	51.91	40.44	9.93	56.4	-	-	P	H
		15930	45.53	-28.47	74	51.13	38.37	12.04	56.01	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	51.03	-22.97	74	57.06	40.44	9.93	56.4	108	307	P	V
5310MHz		10620	40.3	-13.7	54	46.33	40.44	9.93	56.4	108	307	A	V
		15930	51.75	-22.25	74	57.35	38.37	12.04	56.01	108	303	P	V
		15930	37.75	-16.25	54	43.35	38.37	12.04	56.01	108	303	A	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 2 5250~5350MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5128.18	52.83	-21.17	74	41.98	32.1	6.19	27.44	100	210	P	H
		5135.32	43.91	-10.09	54	33.05	32.1	6.2	27.44	100	210	A	H
	*	5290	99.13	-	-	88.72	31.54	6.3	27.43	100	210	P	H
	*	5290	90.83	-	-	80.42	31.54	6.3	27.43	100	210	A	H
802.11ax		5355.36	60.74	-13.26	74	50.31	31.53	6.32	27.42	100	210	P	H
HE80 Full		5350.08	51.46	-2.54	54	41.06	31.5	6.32	27.42	100	210	A	H
CH 58		5046.92	52.3	-21.7	74	41.66	31.99	6.1	27.45	373	49	P	V
5290MHz		5081.26	43.7	-10.3	54	32.95	32.06	6.14	27.45	373	49	A	V
	*	5290	97.31	-	-	86.9	31.54	6.3	27.43	373	49	P	V
	*	5290	88.82	-	-	78.41	31.54	6.3	27.43	373	49	A	V
		5368.32	59	-15	74	48.49	31.61	6.32	27.42	373	49	P	V
		5350.08	50.92	-3.08	54	40.52	31.5	6.32	27.42	373	49	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	45.25	-22.95	68.2	51.36	40.38	9.91	56.4	-	-	P	H
		15870	42.69	-31.31	74	48.29	38.46	12.03	56.09	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	46.73	-21.47	68.2	52.84	40.38	9.91	56.4	-	-	P	V
5290MHz		15870	42.89	-31.11	74	48.49	38.46	12.03	56.09	-	-	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 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5453.2	55.36	-18.64	74	44.4	32.01	6.36	27.41	138	200	P	H
		5468.88	58.91	-9.29	68.2	47.9	32.04	6.37	27.4	138	200	P	H
		5457.84	41.99	-12.01	54	31.02	32.02	6.36	27.41	138	200	A	H
	*	5500	103.35	-	-	92.26	32.1	6.39	27.4	138	200	P	H
	*	5500	96.31	-	-	85.22	32.1	6.39	27.4	138	200	A	H
													H
		5446.48	53.75	-20.25	74	42.81	31.99	6.36	27.41	297	45	P	V
		5462.48	53.77	-14.43	68.2	42.79	32.02	6.36	27.4	297	45	P	V
		5455.28	42.05	-11.95	54	31.09	32.01	6.36	27.41	297	45	A	V
	*	5500	105.74	-	-	94.65	32.1	6.39	27.4	297	45	P	V
	*	5500	98.38	-	-	87.29	32.1	6.39	27.4	297	45	A	V
													V
802.11a CH 116 5580MHz		5380	52.2	-21.8	74	41.61	31.68	6.32	27.41	152	210	P	H
		5463.04	51.75	-16.45	68.2	40.76	32.03	6.36	27.4	152	210	P	H
		5458.24	42.1	-11.9	54	31.13	32.02	6.36	27.41	152	210	A	H
	*	5580	104.39	-	-	93.34	32.04	6.43	27.42	152	210	P	H
	*	5580	96.73	-	-	85.68	32.04	6.43	27.42	152	210	A	H
		5727.83	51.82	-16.38	68.2	40.37	32.36	6.55	27.46	152	210	P	H
		5453.68	51.7	-22.3	74	40.74	32.01	6.36	27.41	305	47	P	V
		5467.6	51.95	-16.25	68.2	40.94	32.04	6.37	27.4	305	47	P	V
		5460	42.2	-11.8	54	31.22	32.02	6.36	27.4	305	47	A	V
	*	5580	106.48	-	-	95.43	32.04	6.43	27.42	305	47	P	V
	*	5580	99.33	-	-	88.28	32.04	6.43	27.42	305	47	A	V
		5738.855	51.62	-16.58	68.2	40.14	32.38	6.56	27.46	305	47	P	V

802.11a CH 140 5700MHz	*	5700	105.55	-	-	94.17	32.3	6.53	27.45	100	234	P	H
	*	5700	98.5	-	-	87.12	32.3	6.53	27.45	100	234	A	H
		5726.28	59.74	-8.46	68.2	48.3	32.35	6.55	27.46	100	234	P	H
													H
													H
													H
	*	5700	106.48	-	-	95.1	32.3	6.53	27.45	311	54	P	V
	*	5700	99.55	-	-	88.17	32.3	6.53	27.45	311	54	A	V
		5727.48	57.91	-10.29	68.2	46.47	32.35	6.55	27.46	311	54	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	47.86	-26.14	74	53.21	40.9	10.16	56.41	-	-	P	H
		16500	51.1	-17.1	68.2	54.5	39.9	12.31	55.61	100	302	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 100 5500MHz		11000	49.85	-24.15	74	55.2	40.9	10.16	56.41	100	230	P	V
		11000	41.68	-12.32	54	47.03	40.9	10.16	56.41	100	230	A	V
		16500	64.14	-4.06	68.2	67.54	39.9	12.31	55.61	100	256	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	54.45	-19.55	74	60.37	40.16	10.22	56.3	100	222	P	H
		11160	40.77	-13.23	54	46.69	40.16	10.22	56.3	100	222	A	H
		16740	50.06	-18.14	68.2	53.27	40.2	12.45	55.86	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	53.24	-20.76	74	59.16	40.16	10.22	56.3	300	26	P	V
		11160	41.24	-12.76	54	47.16	40.16	10.22	56.3	300	26	A	V
		16740	64.71	-3.49	68.2	67.92	40.2	12.45	55.86	100	92	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	45.71	-28.29	74	51.52	40	10.33	56.14	-	-	P	H
		17100	49.43	-18.77	68.2	52.94	40.1	12.71	56.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz													H
		11400	45.98	-28.02	74	51.79	40	10.33	56.14	-	-	P	V
		17100	63.92	-4.28	68.2	67.43	40.1	12.71	56.32	100	259	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 3 5470~5725MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.64	51.44	-22.56	74	40.46	32.02	6.36	27.4	100	238	P	H
		5468.24	54.29	-13.91	68.2	43.28	32.04	6.37	27.4	100	238	P	H
		5453.68	42.44	-11.56	54	31.48	32.01	6.36	27.41	100	238	A	H
	*	5500	104.91	-	-	93.82	32.1	6.39	27.4	100	238	P	H
802.11ax	*	5500	96.01	-	-	84.92	32.1	6.39	27.4	100	238	A	H
HE20 Full		5441.2	53.48	-20.52	74	42.58	31.96	6.35	27.41	350	50	P	V
CH 100		5468.72	53.76	-14.44	68.2	42.75	32.04	6.37	27.4	350	50	P	V
5500MHz		5457.36	42.31	-11.69	54	31.35	32.01	6.36	27.41	350	50	A	V
	*	5500	107.18	-	-	96.09	32.1	6.39	27.4	350	50	P	V
	*	5500	96.48	-	-	85.39	32.1	6.39	27.4	350	50	A	V
													V
													V
		5435.2	52.27	-21.73	74	41.39	31.94	6.35	27.41	100	240	P	H
		5464	51.35	-16.85	68.2	40.35	32.03	6.37	27.4	100	240	P	H
		5457.52	42.11	-11.89	54	31.14	32.02	6.36	27.41	100	240	A	H
	*	5580	104.42	-	-	93.37	32.04	6.43	27.42	100	240	P	H
802.11ax	*	5580	97	-	-	85.95	32.04	6.43	27.42	100	240	A	H
HE20 Full		5727.515	51.63	-16.57	68.2	40.18	32.36	6.55	27.46	100	240	P	H
CH 116		5432.8	52.03	-21.97	74	41.16	31.93	6.35	27.41	338	50	P	V
5580MHz		5463.52	50.77	-17.43	68.2	39.78	32.03	6.36	27.4	338	50	P	V
		5450.56	42.15	-11.85	54	31.2	32	6.36	27.41	338	50	A	V
	*	5580	106.09	-	-	95.04	32.04	6.43	27.42	338	50	P	V
	*	5580	98.22	-	-	87.17	32.04	6.43	27.42	338	50	A	V
		5747.36	52.1	-16.1	68.2	40.6	32.39	6.57	27.46	338	50	P	V

	*	5700	105.37	-	-	93.99	32.3	6.53	27.45	100	238	P	H
	*	5700	96.64	-	-	85.26	32.3	6.53	27.45	100	238	A	H
		5725	62.96	-5.24	68.2	51.52	32.35	6.55	27.46	100	238	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	105.5	-	-	94.12	32.3	6.53	27.45	324	48	P	V
5700MHz	*	5700	97.73	-	-	86.35	32.3	6.53	27.45	324	48	A	V
		5725.4	63.21	-4.99	68.2	51.77	32.35	6.55	27.46	324	48	P	V
													V
													V
													V

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

Band 3 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	47.54	-26.46	74	52.89	40.9	10.16	56.41	-	-	P	H
		16500	49.43	-18.77	68.2	52.83	39.9	12.31	55.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	54.35	-19.65	74	59.7	40.9	10.16	56.41	304	2	P	V
5500MHz		11000	40.87	-13.13	54	46.22	40.9	10.16	56.41	304	2	A	V
		16500	64.99	-3.21	68.2	68.39	39.9	12.31	55.61	100	255	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	47.47	-26.53	74	53.39	40.16	10.22	56.3	-	-	P	H
		16740	48.14	-20.06	68.2	51.35	40.2	12.45	55.86	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	49.44	-24.56	74	55.36	40.16	10.22	56.3	311	24	P	V
5580MHz		11160	40.93	-33.07	74	46.85	40.16	10.22	56.3	311	24	P	V
		16740	64.37	-3.83	68.2	67.58	40.2	12.45	55.86	106	106	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	47.61	-26.39	74	53.42	40	10.33	56.14	-	-	P	H
		17100	48.97	-19.23	68.2	52.48	40.1	12.71	56.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	47.96	-26.04	74	53.77	40	10.33	56.14	-	-	P	V
5700MHz		17100	63.28	-4.92	68.2	66.79	40.1	12.71	56.32	150	349	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 3 5470~5725MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.92	58.82	-15.18	74	47.84	32.02	6.36	27.4	101	239	P	H
		5468.08	64.45	-3.75	68.2	53.44	32.04	6.37	27.4	101	239	P	H
		5459.68	46.95	-7.05	54	35.97	32.02	6.36	27.4	101	239	A	H
	*	5510	102.42	-	-	91.33	32.1	6.39	27.4	101	239	P	H
802.11ax	*	5510	93.56	-	-	82.47	32.1	6.39	27.4	101	239	A	H
HE40 Full		5759.645	51.88	-16.32	68.2	40.35	32.42	6.58	27.47	101	239	P	H
CH 102		5459.44	56.95	-17.05	74	45.97	32.02	6.36	27.4	314	51	P	V
5510MHz		5469.28	64.55	-3.65	68.2	53.54	32.04	6.37	27.4	314	51	P	V
		5459.92	46.86	-7.14	54	35.88	32.02	6.36	27.4	314	51	A	V
	*	5510	102.41	-	-	91.32	32.1	6.39	27.4	314	51	P	V
	*	5510	94.35	-	-	83.26	32.1	6.39	27.4	314	51	A	V
		5726.885	52.54	-15.66	68.2	41.1	32.35	6.55	27.46	314	51	P	V
		5426.08	51.8	-22.2	74	40.97	31.9	6.34	27.41	105	240	P	H
		5468.32	52.33	-15.87	68.2	41.32	32.04	6.37	27.4	105	240	P	H
		5448.64	42.22	-11.78	54	31.28	31.99	6.36	27.41	105	240	A	H
	*	5550	102.44	-	-	91.34	32.1	6.41	27.41	105	240	P	H
802.11ax	*	5550	94.11	-	-	83.01	32.1	6.41	27.41	105	240	A	H
HE40 Full		5745.47	52.78	-15.42	68.2	41.29	32.39	6.56	27.46	105	240	P	H
CH 110		5433.52	51.54	-22.46	74	40.67	31.93	6.35	27.41	341	49	P	V
5550MHz		5463.28	51.6	-16.6	68.2	40.61	32.03	6.36	27.4	341	49	P	V
		5453.2	42.22	-11.78	54	31.26	32.01	6.36	27.41	341	49	A	V
	*	5550	103.08	-	-	91.98	32.1	6.41	27.41	341	49	P	V
	*	5550	94.83	-	-	83.73	32.1	6.41	27.41	341	49	A	V
		5744.525	52.44	-15.76	68.2	40.95	32.39	6.56	27.46	341	49	P	V

		5438.9	50.97	-23.03	74	40.07	31.96	6.35	27.41	106	237	P	H
		5461.3	51.42	-16.78	68.2	40.44	32.02	6.36	27.4	106	237	P	H
		5457.45	41.9	-12.1	54	30.94	32.01	6.36	27.41	106	237	A	H
	*	5670	103.82	-	-	92.64	32.12	6.5	27.44	106	237	P	H
802.11ax	*	5670	94.96	-	-	83.78	32.12	6.5	27.44	106	237	A	H
HE40 Full		5728.145	55.37	-12.83	68.2	43.92	32.36	6.55	27.46	106	237	P	H
CH 134		5350.7	51.41	-22.59	74	41.01	31.5	6.32	27.42	346	49	P	V
5670MHz		5466.2	50.71	-17.49	68.2	39.71	32.03	6.37	27.4	346	49	P	V
		5459.55	41.9	-12.1	54	30.92	32.02	6.36	27.4	346	49	A	V
	*	5670	106.31	-	-	95.13	32.12	6.5	27.44	346	49	P	V
	*	5670	95.96	-	-	84.78	32.12	6.5	27.44	346	49	A	V
		5727.515	56.59	-11.61	68.2	45.14	32.36	6.55	27.46	346	49	P	V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.92	-26.08	74	53.36	40.8	10.16	56.4	-	-	P	H
		16530	48.02	-20.18	68.2	51.55	39.78	12.33	55.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	46.91	-27.09	74	52.35	40.8	10.16	56.4	-	-	P	V
5510MHz		16530	60.17	-8.03	68.2	63.7	39.78	12.33	55.64	108	254	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	53.17	-20.83	74	58.91	40.4	10.2	56.34	100	207	P	H
		11100	40.8	-13.2	54	46.54	40.4	10.2	56.34	100	207	A	H
		16650	49.07	-19.13	68.2	52.69	39.75	12.4	55.77	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	54.48	-19.52	74	60.22	40.4	10.2	56.34	300	30	P	V
5550MHz		11100	40.69	-13.31	54	46.43	40.4	10.2	56.34	300	30	A	V
		16650	64.56	-3.64	68.2	68.18	39.75	12.4	55.77	100	56	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	47.68	-26.32	74	53.61	39.94	10.31	56.18	-	-	P	H
		17010	49.18	-19.02	68.2	52.63	40.1	12.61	56.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	45.67	-28.33	74	51.6	39.94	10.31	56.18	-	-	P	V
5670MHz		17010	63.94	-4.26	68.2	67.39	40.1	12.61	56.16	100	346	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 3 5470~5725MHz

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	62.64	-11.36	74	51.66	32.02	6.36	27.4	100	239	P	H
		5465.92	64.88	-3.32	68.2	53.88	32.03	6.37	27.4	100	239	P	H
		5459.92	51.08	-2.92	54	40.1	32.02	6.36	27.4	100	239	A	H
	*	5530	101.42	-	-	90.33	32.1	6.4	27.41	100	239	P	H
802.11ax	*	5530	91.32	-	-	80.23	32.1	6.4	27.41	100	239	A	H
HE80 Full		5725.31	51.95	-16.25	68.2	40.51	32.35	6.55	27.46	100	239	P	H
CH 106		5457.76	62.96	-11.04	74	51.99	32.02	6.36	27.41	314	53	P	V
5530MHz		5468.56	66.27	-1.93	68.2	55.26	32.04	6.37	27.4	314	53	P	V
		5459.44	51.29	-2.71	54	40.31	32.02	6.36	27.4	314	53	A	V
	*	5530	100.17	-	-	89.08	32.1	6.4	27.41	314	53	P	V
	*	5530	92.02	-	-	80.93	32.1	6.4	27.41	314	53	A	V
		5757.44	52.89	-15.31	68.2	41.38	32.41	6.57	27.47	314	53	P	V
		5458.48	54.15	-19.85	74	43.17	32.02	6.36	27.4	100	241	P	H
		5469.28	53.43	-14.77	68.2	42.42	32.04	6.37	27.4	100	241	P	H
		5459.68	43.81	-10.19	54	32.83	32.02	6.36	27.4	100	241	A	H
	*	5610	102.16	-	-	91.14	32	6.45	27.43	100	241	P	H
802.11ax	*	5610	94.03	-	-	83.01	32	6.45	27.43	100	241	A	H
HE80 Full		5725.31	58.61	-9.59	68.2	47.17	32.35	6.55	27.46	100	241	P	H
CH 122		5458.72	53.05	-20.95	74	42.07	32.02	6.36	27.4	334	51	P	V
5610MHz		5466.88	54.46	-13.74	68.2	43.46	32.03	6.37	27.4	334	51	P	V
		5459.2	44.29	-9.71	54	33.31	32.02	6.36	27.4	334	51	A	V
	*	5610	103.33	-	-	92.31	32	6.45	27.43	334	51	P	V
	*	5610	95.02	-	-	84	32	6.45	27.43	334	51	A	V
		5725.625	57.74	-10.46	68.2	46.3	32.35	6.55	27.46	334	51	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.85	-26.15	74	53.44	40.6	10.18	56.37	-	-	P	H
		16590	45.21	-22.99	68.2	49.02	39.54	12.36	55.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	47.42	-26.58	74	53.01	40.6	10.18	56.37	-	-	P	V
5530MHz		16590	54.75	-13.45	68.2	58.56	39.54	12.36	55.71	100	342	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	52.38	-21.62	74	58.41	39.98	10.25	56.26	100	222	P	H
		11220	41.96	-12.04	54	47.99	39.98	10.25	56.26	100	222	A	H
		16830	52.11	-16.09	68.2	55.13	40.44	12.5	55.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	47.67	-26.33	74	53.7	39.98	10.25	56.26	-	-	P	V
5610MHz		16830	64.63	-3.57	68.2	67.65	40.44	12.5	55.96	100	347	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 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.28	66.71	-7.29	74	55.75	32.01	6.36	27.41	105	238	P	H
		5467.84	59.17	-9.03	68.2	48.16	32.04	6.37	27.4	105	238	P	H
		5457.28	51.41	-2.59	54	40.45	32.01	6.36	27.41	105	238	A	H
	*	5570	95.43	-	-	84.37	32.06	6.42	27.42	105	238	P	H
802.11ax	*	5570	86.45	-	-	75.39	32.06	6.42	27.42	105	238	A	H
HE160 Full		5728.145	64.44	-3.76	68.2	52.99	32.36	6.55	27.46	105	238	P	H
CH 114		5456.8	66.46	-7.54	74	55.5	32.01	6.36	27.41	339	50	P	V
5570MHz		5467.6	59.88	-8.32	68.2	48.87	32.04	6.37	27.4	339	50	P	V
		5457.04	51.97	-2.03	54	41.01	32.01	6.36	27.41	339	50	A	V
	*	5570	96.72	-	-	85.66	32.06	6.42	27.42	339	50	P	V
	*	5570	87.72	-	-	76.66	32.06	6.42	27.42	339	50	A	V
		5728.46	63.9	-4.3	68.2	52.45	32.36	6.55	27.46	339	50	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11140	46.56	-27.44	74	52.42	40.24	10.21	56.31	-	-	P	H
		16710	44.9	-23.3	68.2	48.25	40.05	12.43	55.83	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 114		11140	45.89	-28.11	74	51.75	40.24	10.21	56.31	-	-	P	V
5570MHz		16710	56.03	-12.17	68.2	59.38	40.05	12.43	55.83	100	98	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 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5426.44	51.67	-22.33	74	40.83	31.91	6.34	27.41	100	234	P	H
		5463.49	51.02	-17.18	68.2	40.03	32.03	6.36	27.4	100	234	P	H
		5453.74	41.99	-12.01	54	31.03	32.01	6.36	27.41	100	234	A	H
	*	5720	105.66	-	-	94.24	32.34	6.54	27.46	100	234	P	H
	*	5720	99.02	-	-	87.6	32.34	6.54	27.46	100	234	A	H
		5888.25	52.64	-15.56	68.2	40.74	32.73	6.67	27.5	100	234	P	H
		5456.47	52.02	-21.98	74	41.06	32.01	6.36	27.41	309	57	P	V
		5466.61	50.49	-17.71	68.2	39.49	32.03	6.37	27.4	309	57	P	V
		5457.64	41.98	-12.02	54	31.01	32.02	6.36	27.41	309	57	A	V
	*	5720	105.86	-	-	94.44	32.34	6.54	27.46	309	57	P	V
	*	5720	99.78	-	-	88.36	32.34	6.54	27.46	309	57	A	V
		5852.5	52.31	-15.89	68.2	40.65	32.51	6.64	27.49	309	57	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	45.8	-28.2	74	51.48	40.08	10.35	56.11	-	-	P	H
		17160	49.5	-18.7	68.2	52.99	40.16	12.78	56.43	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	47.51	-26.49	74	53.19	40.08	10.35	56.11	-	-	P	V
		17160	64.74	-3.46	68.2	68.23	40.16	12.78	56.43	111	267	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 3 - Straddle Channel

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 144 5720MHz		5459.59	50.98	-23.02	74	40	32.02	6.36	27.4	100	237	P	H
		5466.22	50.37	-17.83	68.2	39.37	32.03	6.37	27.4	100	237	P	H
		5459.2	41.82	-12.18	54	30.84	32.02	6.36	27.4	100	237	A	H
	*	5720	104.52	-	-	93.1	32.34	6.54	27.46	100	237	P	H
	*	5720	96.98	-	-	85.56	32.34	6.54	27.46	100	237	A	H
		5924.25	52.34	-15.86	68.2	40.31	32.85	6.69	27.51	100	237	P	H
		5395.24	51.1	-22.9	74	40.41	31.77	6.33	27.41	338	51	P	V
		5462.71	50.2	-18	68.2	39.21	32.03	6.36	27.4	338	51	P	V
		5444.38	41.73	-12.27	54	30.81	31.98	6.35	27.41	338	51	A	V
	*	5720	105.03	-	-	93.61	32.34	6.54	27.46	338	51	P	V
	*	5720	97.61	-	-	86.19	32.34	6.54	27.46	338	51	A	V
		5856.5	53.2	-15	68.2	41.5	32.54	6.65	27.49	338	51	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	45.89	-28.11	74	51.57	40.08	10.35	56.11	-	-	P	H
		17160	49	-19.2	68.2	52.49	40.16	12.78	56.43	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	46.34	-27.66	74	52.02	40.08	10.35	56.11	-	-	P	V
5720MHz		17160	64.7	-3.5	68.2	68.19	40.16	12.78	56.43	100	57	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 3 - Straddle Channel

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5456.47	50.63	-23.37	74	39.67	32.01	6.36	27.41	100	236	P	H
		5465.44	49.92	-18.28	68.2	38.92	32.03	6.37	27.4	100	236	P	H
		5442.82	41.83	-12.17	54	30.92	31.97	6.35	27.41	100	236	A	H
	*	5710	104.28	-	-	92.88	32.32	6.53	27.45	100	236	P	H
	*	5710	95.79	-	-	84.39	32.32	6.53	27.45	100	236	A	H
		5936.25	52.25	-15.95	68.2	40.19	32.87	6.7	27.51	100	236	P	H
		5385.88	50.36	-23.64	74	39.72	31.72	6.33	27.41	327	47	P	V
		5467.39	50.59	-17.61	68.2	39.59	32.03	6.37	27.4	327	47	P	V
		5455.3	41.98	-12.02	54	31.02	32.01	6.36	27.41	327	47	A	V
	*	5710	104.09	-	-	92.69	32.32	6.53	27.45	327	47	P	V
	*	5710	96.43	-	-	85.03	32.32	6.53	27.45	327	47	A	V
		5861.25	52.16	-16.04	68.2	40.43	32.57	6.65	27.49	327	47	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	47.39	-26.61	74	53.13	40.04	10.34	56.12	-	-	P	H
		17130	54.01	-14.19	68.2	57.52	40.13	12.74	56.38	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	46.81	-27.19	74	52.55	40.04	10.34	56.12	-	-	P	V
5710MHz		17130	63.87	-4.33	68.2	67.38	40.13	12.74	56.38	100	57	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 3 - Straddle Channel

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

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5440.48	52.42	-21.58	74	41.52	31.96	6.35	27.41	100	238	P	H
		5465.83	52.44	-15.76	68.2	41.44	32.03	6.37	27.4	100	238	P	H
		5451.4	42.48	-11.52	54	31.53	32	6.36	27.41	100	238	A	H
	*	5690	102.96	-	-	91.65	32.24	6.52	27.45	100	238	P	H
802.11ax	*	5690	93.83	-	-	82.52	32.24	6.52	27.45	100	238	A	H
HE80 Full		5851.3	53.37	-14.83	68.2	41.71	32.51	6.64	27.49	100	238	P	H
CH 138		5436.58	51.39	-22.61	74	40.5	31.95	6.35	27.41	346	52	P	V
5690MHz		5464.27	50.64	-17.56	68.2	39.64	32.03	6.37	27.4	346	52	P	V
		5440.87	42.31	-11.69	54	31.41	31.96	6.35	27.41	346	52	A	V
	*	5690	103.63	-	-	92.32	32.24	6.52	27.45	346	52	P	V
	*	5690	95	-	-	83.69	32.24	6.52	27.45	346	52	A	V
		5914.6	52.54	-15.66	68.2	40.54	32.83	6.68	27.51	346	52	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	46.65	-27.35	74	52.5	39.98	10.32	56.15	-	-	P	H
		17070	52.02	-16.18	68.2	55.51	40.1	12.68	56.27	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	47.89	-26.11	74	53.74	39.98	10.32	56.15	-	-	P	V
5690MHz		17070	63.84	-4.36	68.2	67.33	40.1	12.68	56.27	100	56	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission above 18GHz

WIFI 802.11ax HE20 Full (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full SHF		22320	37.85	-36.15	74	57.85	38.37	-3.8	54.57	-	-	P	H
		31355	38.65	-35.35	74	56.57	40.29	-1.94	56.27	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		22473	36.2	-37.8	74	56.29	38.31	-3.89	54.51	-	-	P	V
		31706	39.81	-34.19	74	57.66	40.66	-1.8	56.71	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full LF		33.88	22.27	-17.73	40	30.95	22.75	0.74	32.17	-	-	P	H
		204.6	26.01	-17.49	43.5	41.65	15.06	1.37	32.07	-	-	P	H
		262.8	22.82	-23.18	46	33.34	20.04	1.5	32.06	-	-	P	H
		539.25	25.71	-20.29	46	31.35	24.37	2.1	32.11	-	-	P	H
		611.03	27.97	-18.03	46	32.14	25.58	2.19	31.94	-	-	P	H
		841.89	30.72	-15.28	46	30.95	28.86	2.57	31.66	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.97	22.26	-17.74	40	29.46	24.24	0.72	32.16	-	-	P	V
		142.52	16.76	-26.74	43.5	30.33	17.35	1.17	32.09	-	-	P	V
		260.86	19.36	-26.64	46	29.87	20.05	1.5	32.06	-	-	P	V
		477.17	25.13	-20.87	46	31.37	23.78	2.01	32.03	-	-	P	V
		749.74	30.47	-15.53	46	32.2	27.96	2.32	32.01	-	-	P	V
		836.07	30.94	-15.06	46	31.38	28.68	2.55	31.67	-	-	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.

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5645.2	51.69	-16.51	68.2	40.65	32	6.48	27.44	100	239	P	H
		5692.8	53.08	-46.81	99.89	41.75	32.26	6.52	27.45	100	239	P	H
		5706.8	55.37	-51.74	107.11	43.98	32.31	6.53	27.45	100	239	P	H
		5723.2	59.02	-59.08	118.1	47.59	32.35	6.54	27.46	100	239	P	H
	*	5745	105.53	-	-	94.04	32.39	6.56	27.46	100	239	P	H
	*	5745	98.4	-	-	86.91	32.39	6.56	27.46	100	239	A	H
													H
802.11a													H
CH 149		5631	51.47	-16.73	68.2	40.43	32	6.47	27.43	304	49	P	V
5745MHz		5686.2	52.37	-42.65	95.02	41.09	32.22	6.51	27.45	304	49	P	V
		5717.8	56.26	-53.92	110.18	44.84	32.34	6.54	27.46	304	49	P	V
		5722.8	64.15	-53.03	117.18	52.72	32.35	6.54	27.46	304	49	P	V
	*	5745	107.17	-	-	95.68	32.39	6.56	27.46	304	49	P	V
	*	5745	99.65	-	-	88.16	32.39	6.56	27.46	304	49	A	V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5608.8	51.47	-16.73	68.2	40.45	32	6.45	27.43	100	237	P	H
		5657.2	51.42	-22.13	73.55	40.33	32.04	6.49	27.44	100	237	P	H
		5707.2	50.76	-56.46	107.22	39.37	32.31	6.53	27.45	100	237	P	H
		5721	50.97	-62.11	113.08	39.55	32.34	6.54	27.46	100	237	P	H
	*	5785	105.19	-	-	93.59	32.47	6.6	27.47	100	237	P	H
	*	5785	98.33	-	-	86.73	32.47	6.6	27.47	100	237	A	H
		5852.4	51.35	-65.38	116.73	39.69	32.51	6.64	27.49	100	237	P	H
		5865.2	52.95	-54.99	107.94	41.2	32.59	6.65	27.49	100	237	P	H
		5917.6	52.8	-20.86	73.66	40.78	32.84	6.69	27.51	100	237	P	H
		5928	54.26	-13.94	68.2	42.22	32.86	6.69	27.51	100	237	P	H
													H
802.11a CH 157 5785MHz													H
		5640.2	51.61	-16.59	68.2	40.58	32	6.47	27.44	318	47	P	V
		5673	51.75	-33.51	85.26	40.55	32.14	6.5	27.44	318	47	P	V
		5711.2	51.2	-57.14	108.34	39.8	32.32	6.53	27.45	318	47	P	V
		5720.2	50.99	-60.27	111.26	39.57	32.34	6.54	27.46	318	47	P	V
	*	5785	106.66	-	-	95.06	32.47	6.6	27.47	318	47	P	V
	*	5785	99.23	-	-	87.63	32.47	6.6	27.47	318	47	A	V
		5852.6	52.3	-63.97	116.27	40.63	32.52	6.64	27.49	318	47	P	V
		5859	53.12	-56.56	109.68	41.41	32.55	6.65	27.49	318	47	P	V
		5917.6	52.62	-21.04	73.66	40.6	32.84	6.69	27.51	318	47	P	V
		5941.4	52.12	-16.08	68.2	40.05	32.88	6.7	27.51	318	47	P	V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	106.25	-	-	94.6	32.5	6.63	27.48	103	237	P	H
	*	5825	98.81	-	-	87.16	32.5	6.63	27.48	103	237	A	H
		5851.2	59.28	-60.18	119.46	47.62	32.51	6.64	27.49	103	237	P	H
		5860.4	55.22	-54.07	109.29	43.5	32.56	6.65	27.49	103	237	P	H
		5893	52.93	-38.91	91.84	41	32.76	6.67	27.5	103	237	P	H
		5930.6	52.37	-15.83	68.2	40.33	32.86	6.69	27.51	103	237	P	H
													H
802.11a													H
CH 165	*	5825	107.08	-	-	95.43	32.5	6.63	27.48	329	48	P	V
5825MHz	*	5825	99.73	-	-	88.08	32.5	6.63	27.48	329	48	A	V
		5853.8	57.07	-56.47	113.54	45.4	32.52	6.64	27.49	329	48	P	V
		5869.2	54.88	-51.94	106.82	43.11	32.62	6.65	27.5	329	48	P	V
		5883.4	52.89	-46.07	98.96	41.03	32.7	6.66	27.5	329	48	P	V
		5948	52.02	-16.18	68.2	39.93	32.9	6.71	27.52	329	48	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. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	47.07	-26.93	74	52.59	40.18	10.38	56.08	-	-	P	H
		17235	52.1	-16.1	68.2	55.61	40.2	12.86	56.57	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 149 5745MHz		11490	52.46	-21.54	74	57.98	40.18	10.38	56.08	100	269	P	V
		11490	41.31	-12.69	54	46.83	40.18	10.38	56.08	100	269	A	V
		17235	64.8	-3.4	68.2	68.31	40.2	12.86	56.57	100	273	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	47.68	-26.32	74	53.28	40.06	10.41	56.07	-	-	P	H
		17355	51.77	-16.43	68.2	54.93	40.64	12.99	56.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 157 5785MHz													H
		11570	52.8	-21.2	74	58.4	40.06	10.41	56.07	100	269	P	V
		11570	40.75	-13.25	54	46.35	40.06	10.41	56.07	100	269	A	V
		17355	64.38	-3.82	68.2	67.54	40.64	12.99	56.79	113	270	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11650	47.37	-26.63	74	53.19	39.8	10.45	56.07	-	-	P	H
		17475	59.71	-8.49	68.2	62.3	41.3	13.12	57.01	100	312	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 165 5825MHz													H
		11650	56.78	-17.22	74	62.6	39.8	10.45	56.07	100	272	P	V
		11650	45.05	-8.95	54	50.87	39.8	10.45	56.07	100	272	A	V
		17475	64.77	-3.43	68.2	67.36	41.3	13.12	57.01	100	253	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5635.4	51.25	-16.95	68.2	40.22	32	6.47	27.44	103	236	P	H
		5683.8	52.13	-41.12	93.25	40.87	32.2	6.51	27.45	103	236	P	H
		5719.2	58.52	-52.06	110.58	47.1	32.34	6.54	27.46	103	236	P	H
		5724.8	63.48	-58.26	121.74	52.04	32.35	6.55	27.46	103	236	P	H
	*	5745	106.43	-	-	94.94	32.39	6.56	27.46	103	236	P	H
	*	5745	96.37	-	-	84.88	32.39	6.56	27.46	103	236	A	H
802.11ax													H
HE20 Full													H
CH 149		5612.6	51.63	-16.57	68.2	40.61	32	6.45	27.43	321	51	P	V
5745MHz		5677	53.08	-35.14	88.22	41.86	32.16	6.51	27.45	321	51	P	V
		5720	60.85	-49.95	110.8	49.43	32.34	6.54	27.46	321	51	P	V
		5725	64.57	-57.63	122.2	53.13	32.35	6.55	27.46	321	51	P	V
	*	5745	105.54	-	-	94.05	32.39	6.56	27.46	321	51	P	V
	*	5745	97.41	-	-	85.92	32.39	6.56	27.46	321	51	A	V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5622.6	51.62	-16.58	68.2	40.59	32	6.46	27.43	100	237	P	H
		5658	51.21	-22.93	74.14	40.11	32.05	6.49	27.44	100	237	P	H
		5710.8	50.87	-57.36	108.23	39.47	32.32	6.53	27.45	100	237	P	H
		5720.4	51.47	-60.24	111.71	40.05	32.34	6.54	27.46	100	237	P	H
	*	5785	104.4	-	-	92.8	32.47	6.6	27.47	100	237	P	H
	*	5785	96.45	-	-	84.85	32.47	6.6	27.47	100	237	A	H
		5851.4	51.74	-67.27	119.01	40.08	32.51	6.64	27.49	100	237	P	H
		5862.2	51.29	-57.49	108.78	39.56	32.57	6.65	27.49	100	237	P	H
		5897.8	52.22	-36.07	88.29	40.26	32.79	6.67	27.5	100	237	P	H
		5945.8	52.22	-15.98	68.2	40.15	32.89	6.7	27.52	100	237	P	H
802.11ax													H
HE20 Full													H
CH 157		5605.6	51.48	-16.72	68.2	40.47	32	6.44	27.43	315	46	P	V
5785MHz		5655	52.26	-19.65	71.91	41.18	32.03	6.49	27.44	315	46	P	V
		5705.6	52.92	-53.85	106.77	41.53	32.31	6.53	27.45	315	46	P	V
		5722.8	51.67	-65.51	117.18	40.24	32.35	6.54	27.46	315	46	P	V
	*	5785	105.48	-	-	93.88	32.47	6.6	27.47	315	46	P	V
	*	5785	97.11	-	-	85.51	32.47	6.6	27.47	315	46	A	V
		5852.8	51.53	-64.29	115.82	39.86	32.52	6.64	27.49	315	46	P	V
		5873.4	51.67	-53.98	105.65	39.87	32.64	6.66	27.5	315	46	P	V
		5887	53.35	-42.94	96.29	41.46	32.72	6.67	27.5	315	46	P	V
		5934	51.62	-16.58	68.2	39.56	32.87	6.7	27.51	315	46	P	V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	104.95	-	-	93.3	32.5	6.63	27.48	107	236	P	H
	*	5825	97.05	-	-	85.4	32.5	6.63	27.48	107	236	A	H
		5850.2	63.77	-57.97	121.74	52.12	32.5	6.64	27.49	107	236	P	H
		5855	58.76	-52.04	110.8	47.07	32.53	6.65	27.49	107	236	P	H
		5905.2	52.49	-30.32	82.81	40.51	32.81	6.68	27.51	107	236	P	H
		5939.2	52.97	-15.23	68.2	40.9	32.88	6.7	27.51	107	236	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	106.07	-	-	94.42	32.5	6.63	27.48	300	48	P	V
5825MHz	*	5825	97.36	-	-	85.71	32.5	6.63	27.48	300	48	A	V
		5850	62.4	-59.8	122.2	50.75	32.5	6.64	27.49	300	48	P	V
		5856.2	55.51	-54.95	110.46	43.81	32.54	6.65	27.49	300	48	P	V
		5884.8	53.85	-44.07	97.92	41.97	32.71	6.67	27.5	300	48	P	V
		5940.8	52.39	-15.81	68.2	40.32	32.88	6.7	27.51	300	48	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. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11490	46.4	-27.6	74	51.92	40.18	10.38	56.08	-	-	P	H
		17235	51.01	-17.19	68.2	54.52	40.2	12.86	56.57	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		11490	46.27	-27.73	74	51.79	40.18	10.38	56.08	-	-	P	V
5745MHz		17235	64.06	-4.14	68.2	67.57	40.2	12.86	56.57	109	269	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11570	47.38	-26.62	74	52.98	40.06	10.41	56.07	-	-	P	H
		17355	53.89	-14.31	68.2	57.05	40.64	12.99	56.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	56.69	-17.31	74	62.29	40.06	10.41	56.07	101	272	P	V
5785MHz		11570	42.31	-11.69	54	47.91	40.06	10.41	56.07	101	272	A	V
		17355	64.51	-3.69	68.2	67.67	40.64	12.99	56.79	110	274	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11650	54.72	-19.28	74	60.54	39.8	10.45	56.07	100	240	P	H
		11650	43.63	-10.37	54	49.45	39.8	10.45	56.07	100	240	A	H
		17475	56.64	-11.56	68.2	59.23	41.3	13.12	57.01	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 165		11650	57.59	-16.41	74	63.41	39.8	10.45	56.07	105	277	P	V
5825MHz		11650	45.12	-8.88	54	50.94	39.8	10.45	56.07	105	277	A	V
		17475	64.43	-3.77	68.2	67.02	41.3	13.12	57.01	102	354	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5635.2	52.59	-15.61	68.2	41.56	32	6.47	27.44	107	236	P	H
		5698.8	57.94	-46.38	104.32	46.58	32.29	6.52	27.45	107	236	P	H
		5717.4	73.35	-36.72	110.07	61.94	32.33	6.54	27.46	107	236	P	H
		5720.2	73.06	-38.2	111.26	61.64	32.34	6.54	27.46	107	236	P	H
	*	5755	104.92	-	-	93.41	32.41	6.57	27.47	107	236	P	H
	*	5755	96.23	-	-	84.72	32.41	6.57	27.47	107	236	A	H
		5854.8	51.39	-59.87	111.26	39.7	32.53	6.65	27.49	107	236	P	H
		5863.6	52.21	-56.18	108.39	40.47	32.58	6.65	27.49	107	236	P	H
		5904.2	52	-31.55	83.55	40.02	32.81	6.68	27.51	107	236	P	H
		5942.4	53.17	-15.03	68.2	41.11	32.88	6.7	27.52	107	236	P	H
802.11ax													H
HE40 Full													H
CH 151		5609.6	53.13	-15.07	68.2	42.11	32	6.45	27.43	334	52	P	V
5755MHz		5698.8	57.84	-46.48	104.32	46.48	32.29	6.52	27.45	334	52	P	V
		5719.2	72.32	-38.26	110.58	60.9	32.34	6.54	27.46	334	52	P	V
		5723.6	75.66	-43.35	119.01	64.22	32.35	6.55	27.46	334	52	P	V
	*	5755	105.93	-	-	94.42	32.41	6.57	27.47	334	52	P	V
	*	5755	96.98	-	-	85.47	32.41	6.57	27.47	334	52	A	V
		5854.6	51.28	-60.43	111.71	39.59	32.53	6.65	27.49	334	52	P	V
		5867.6	52.27	-55	107.27	40.51	32.61	6.65	27.5	334	52	P	V
		5903.2	53.16	-31.13	84.29	41.17	32.81	6.68	27.5	334	52	P	V
		5927.4	51.99	-16.21	68.2	39.96	32.85	6.69	27.51	334	52	P	V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5639.4	52.06	-16.14	68.2	41.03	32	6.47	27.44	100	236	P	H
		5689.4	52.84	-44.54	97.38	41.53	32.24	6.52	27.45	100	236	P	H
		5718.8	54.48	-55.98	110.46	43.06	32.34	6.54	27.46	100	236	P	H
		5723	53.32	-64.32	117.64	41.89	32.35	6.54	27.46	100	236	P	H
	*	5795	104.65	-	-	93.03	32.49	6.61	27.48	100	236	P	H
	*	5795	96.33	-	-	84.71	32.49	6.61	27.48	100	236	A	H
		5850	56.51	-65.69	122.2	44.86	32.5	6.64	27.49	100	236	P	H
		5855.2	57.85	-52.89	110.74	46.16	32.53	6.65	27.49	100	236	P	H
		5906.4	53.15	-28.78	81.93	41.17	32.81	6.68	27.51	100	236	P	H
		5942.6	51.79	-16.41	68.2	39.72	32.89	6.7	27.52	100	236	P	H
802.11ax													H
HE40 Full													H
CH 159		5641.6	51.17	-17.03	68.2	40.13	32	6.48	27.44	317	48	P	V
5795MHz		5682.4	53.1	-39.11	92.21	41.85	32.19	6.51	27.45	317	48	P	V
		5706	52.68	-54.2	106.88	41.29	32.31	6.53	27.45	317	48	P	V
		5721.6	53.04	-61.41	114.45	41.62	32.34	6.54	27.46	317	48	P	V
	*	5795	105.84	-	-	94.22	32.49	6.61	27.48	317	48	P	V
	*	5795	97.19	-	-	85.57	32.49	6.61	27.48	317	48	A	V
		5851.2	59.18	-60.28	119.46	47.52	32.51	6.64	27.49	317	48	P	V
		5862.2	56.26	-52.52	108.78	44.53	32.57	6.65	27.49	317	48	P	V
		5886.8	53.23	-43.21	96.44	41.34	32.72	6.67	27.5	317	48	P	V
		5929.2	53.1	-15.1	68.2	41.06	32.86	6.69	27.51	317	48	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. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11510	52.25	-21.75	74	57.76	40.18	10.38	56.07	100	242	P	H
		11510	42.03	-11.97	54	47.54	40.18	10.38	56.07	100	242	A	H
		17265	52.23	-15.97	68.2	55.77	40.2	12.89	56.63	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	53.99	-20.01	74	59.5	40.18	10.38	56.07	102	271	P	V
5755MHz		11510	43.09	-10.91	54	48.6	40.18	10.38	56.07	102	271	A	V
		17265	64.64	-3.56	68.2	68.18	40.2	12.89	56.63	104	268	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11590	53.93	-20.07	74	59.56	40.02	10.42	56.07	100	243	P	H
		11590	42.84	-11.16	54	48.47	40.02	10.42	56.07	100	243	A	H
		17385	53.74	-14.46	68.2	56.69	40.88	13.02	56.85	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	54.93	-19.07	74	60.56	40.02	10.42	56.07	100	273	P	V
5795MHz		11590	44.45	-9.55	54	50.08	40.02	10.42	56.07	100	273	A	V
		17385	63.88	-4.32	68.2	66.83	40.88	13.02	56.85	100	355	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647	55.59	-12.61	68.2	44.55	32	6.48	27.44	100	239	P	H
		5699.6	70.98	-33.93	104.91	59.61	32.3	6.52	27.45	100	239	P	H
		5711.2	76.46	-31.88	108.34	65.06	32.32	6.53	27.45	100	239	P	H
		5720.4	76.61	-35.1	111.71	65.19	32.34	6.54	27.46	100	239	P	H
	*	5775	103.72	-	-	92.15	32.45	6.59	27.47	100	239	P	H
	*	5775	94.67	-	-	83.1	32.45	6.59	27.47	100	239	A	H
		5853	72.47	-42.89	115.36	60.8	32.52	6.64	27.49	100	239	P	H
		5855.2	70.38	-40.36	110.74	58.69	32.53	6.65	27.49	100	239	P	H
		5875.4	64.83	-40.07	104.9	53.02	32.65	6.66	27.5	100	239	P	H
		5934.4	53.36	-14.84	68.2	41.3	32.87	6.7	27.51	100	239	P	H
802.11ax													H
HE80 Full													H
CH 155		5646.4	56.73	-11.47	68.2	45.69	32	6.48	27.44	317	49	P	V
5775MHz		5697.4	71.84	-31.44	103.28	60.49	32.28	6.52	27.45	317	49	P	V
		5719.2	76.69	-33.89	110.58	65.27	32.34	6.54	27.46	317	49	P	V
		5724.2	78.74	-41.64	120.38	67.3	32.35	6.55	27.46	317	49	P	V
	*	5775	104.49	-	-	92.92	32.45	6.59	27.47	317	49	P	V
	*	5775	95.85	-	-	84.28	32.45	6.59	27.47	317	49	A	V
		5850.4	72.79	-48.5	121.29	61.14	32.5	6.64	27.49	317	49	P	V
		5859	71.55	-38.13	109.68	59.84	32.55	6.65	27.49	317	49	P	V
		5875.6	63.93	-40.82	104.75	52.12	32.65	6.66	27.5	317	49	P	V
		5925.6	53.95	-14.25	68.2	41.92	32.85	6.69	27.51	317	49	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. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11550	50.94	-23.06	74	56.51	40.1	10.4	56.07	100	240	P	H
		11550	41.99	-12.01	54	47.56	40.1	10.4	56.07	100	240	A	H
		17325	54.92	-13.28	68.2	58.31	40.4	12.95	56.74	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	53.31	-20.69	74	58.88	40.1	10.4	56.07	100	270	P	V
5775MHz		11550	43.99	-10.01	54	49.56	40.1	10.4	56.07	100	270	A	V
		17325	62.82	-5.38	68.2	66.21	40.4	12.95	56.74	100	267	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission above 18GHz

WIFI 802.11a (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		22896	37.52	-36.48	74	56.11	38.92	-3.15	54.36	-	-	P	H
		31498	38.43	-35.57	74	56.97	40	-1.94	56.6	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a													H
SHF		22212	35.74	-38.26	74	55.73	38.4	-3.73	54.66	-	-	P	V
		31563	39.52	-34.48	74	57.86	40.2	-1.9	56.64	-	-	P	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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		30.97	22.17	-17.83	40	29.37	24.24	0.72	32.16	-	-	P	H
		159.98	24.96	-18.54	43.5	39.33	16.48	1.26	32.11	-	-	P	H
		208.48	26.41	-17.09	43.5	42.07	15.03	1.38	32.07	-	-	P	H
		313.24	26.31	-19.69	46	37.18	19.57	1.62	32.06	-	-	P	H
		573.2	26.57	-19.43	46	30.61	25.86	2.13	32.03	-	-	P	H
		873.9	31.23	-14.77	46	31.15	29.03	2.57	31.52	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		33.88	24.61	-15.39	40	33.29	22.75	0.74	32.17	-	-	P	V
		159.98	19.1	-24.4	43.5	33.47	16.48	1.26	32.11	-	-	P	V
		265.71	19.04	-26.96	46	29.69	19.9	1.51	32.06	-	-	P	V
		404.42	23.2	-22.8	46	31.06	22.13	1.9	31.89	-	-	P	V
		559.62	26.85	-19.15	46	30.63	26.18	2.12	32.08	-	-	P	V
		752.65	29.47	-16.53	46	31.15	27.99	2.33	32	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 44 5220MHz		5133.9	54.26	-19.74	74	39.75	33	10.96	29.45	100	117	P	H
		5150	42.52	-11.48	54	28.02	33	10.96	29.46	100	117	A	H

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

For Peak Limit @ 5133.9MHz:

1. Level(dBμV/m)

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

= 33.00(dB/m) + 10.96(dB) + 39.75(dBμV) – 29.45 (dB)

= 54.26 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 54.26(dBμV/m) – 74(dBμV/m)

= -19.74(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)

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

= 33.00(dB/m) + 10.96(dB) + 28.02(dBμV) – 29.46 (dB)

= 42.52 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 42.52(dBμV/m) – 54(dBμV/m)

= -11.48(dB)

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

Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Jacky Hong, Rain Lee and Mancy Chou	**Temperature :**	20~26°C
		Relative Humidity :	40~65%

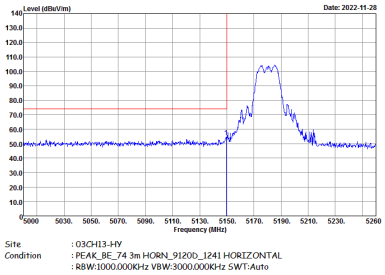
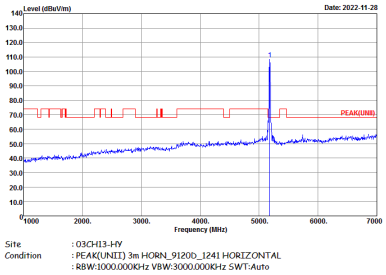
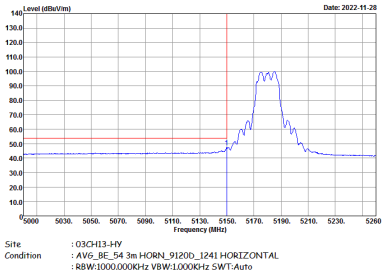
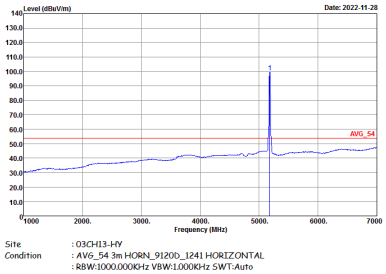
Note symbol

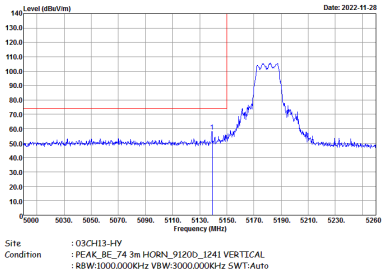
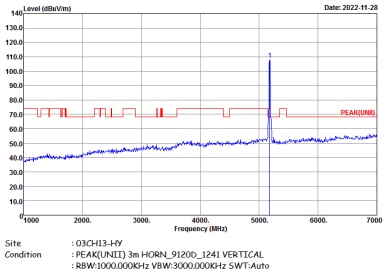
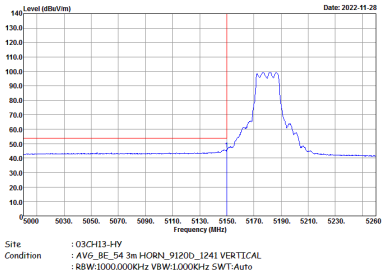
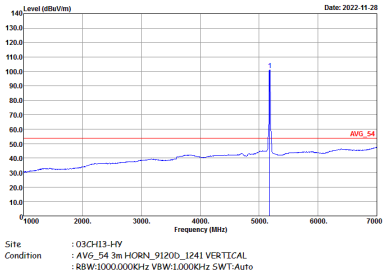
-L	**Low channel location**
-R	**High channel location**

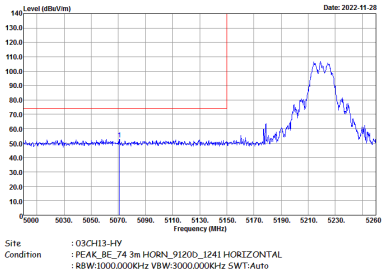
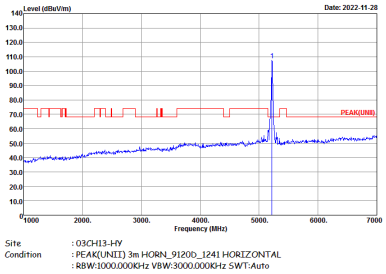
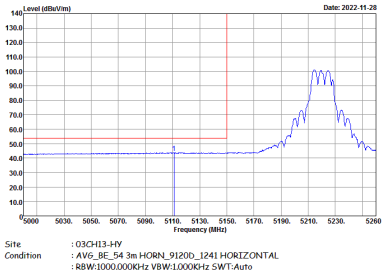
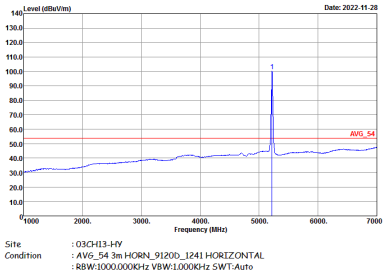
<Open Mode>

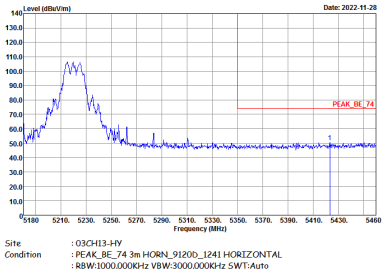
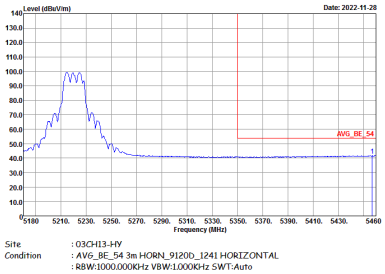
Band 1 - 5150~5250MHz

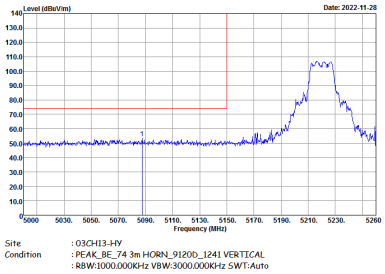
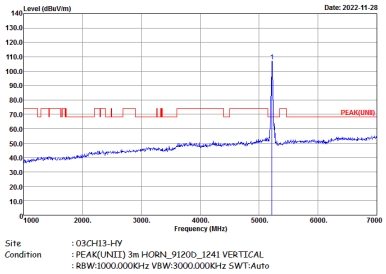
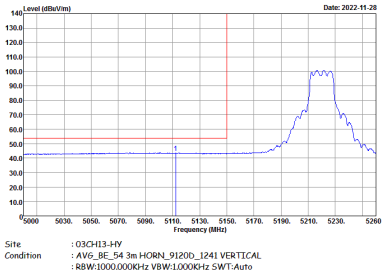
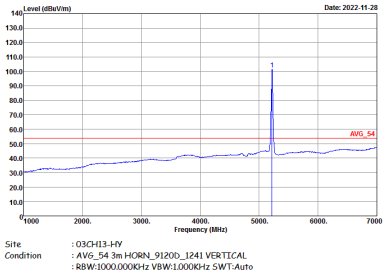
WIFI 802.11a (Band Edge @ 3m)

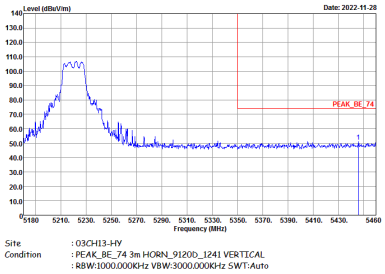
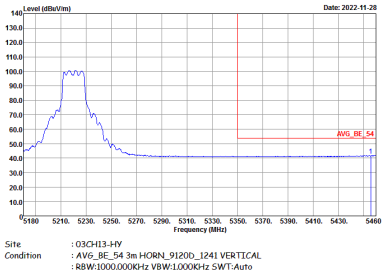
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
3+4	Horizontal	Fundamental
Peak		
Avg.		

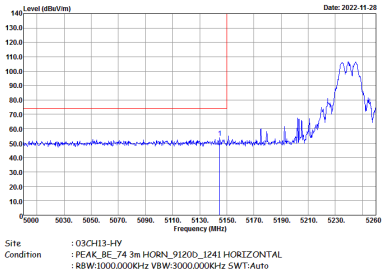
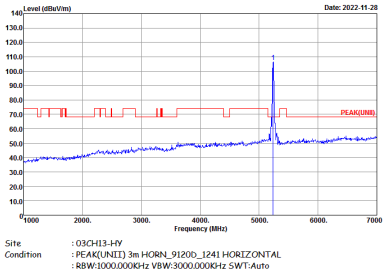
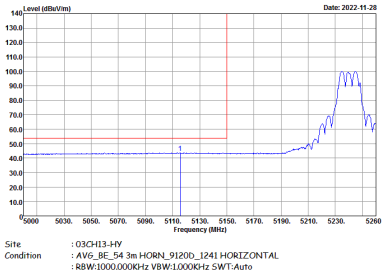
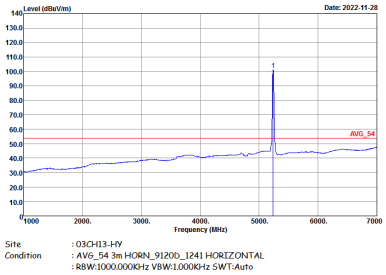
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
3+4	Vertical	Fundamental
Peak		
Avg.		

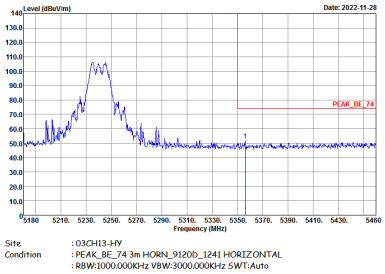
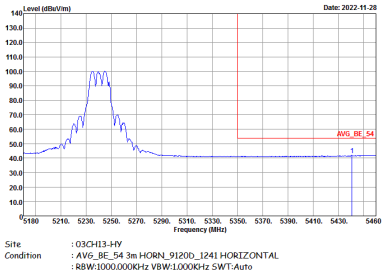
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
3+4	Horizontal	Fundamental
Peak		
Avg.		

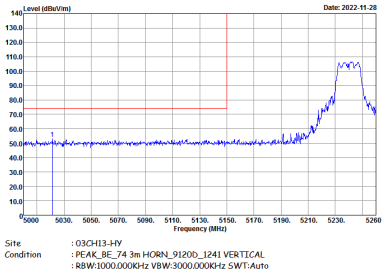
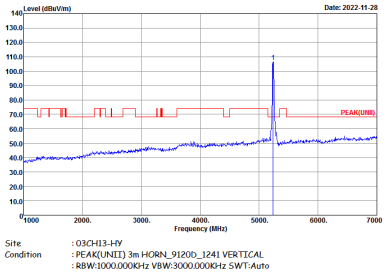
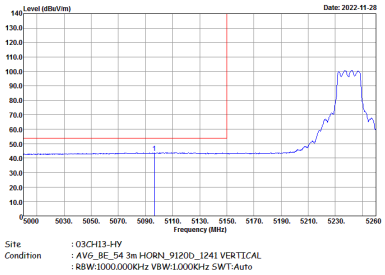
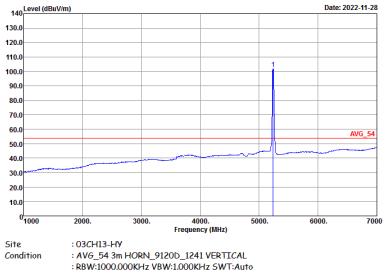
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

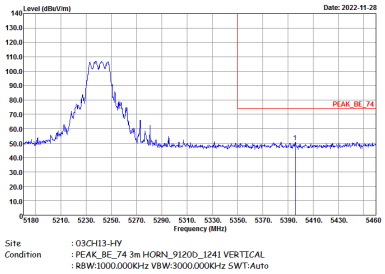
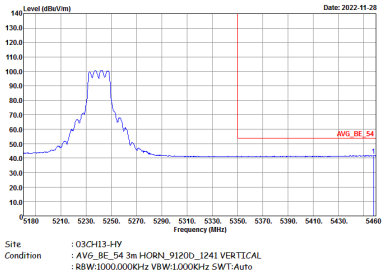
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
3+4	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

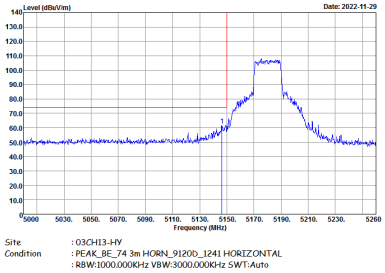
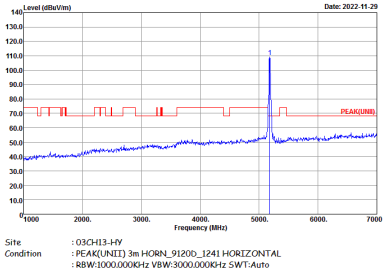
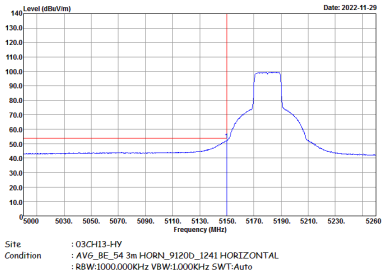
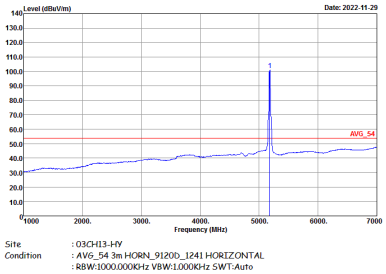
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
3+4	Horizontal	Fundamental
Peak		
Avg.		

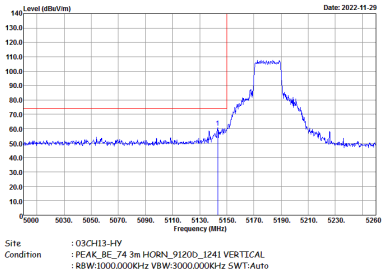
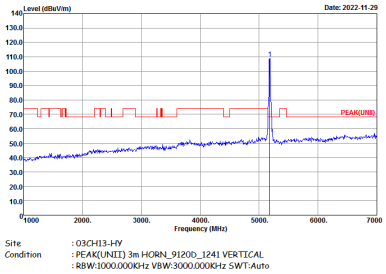
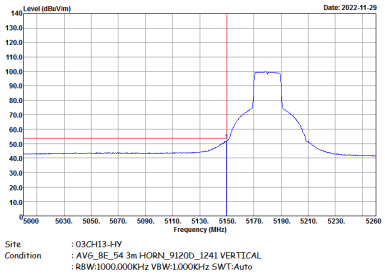
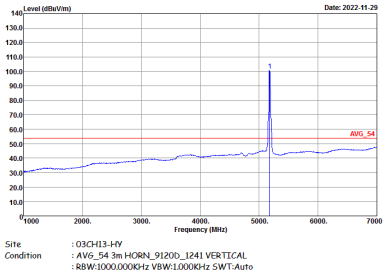
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

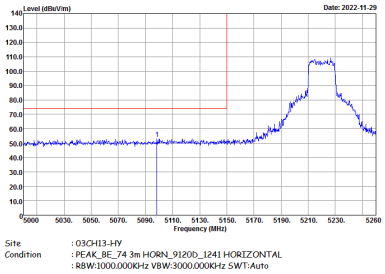
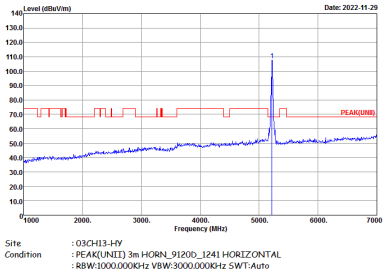
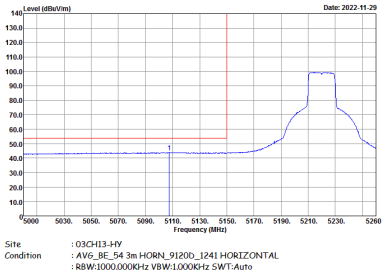
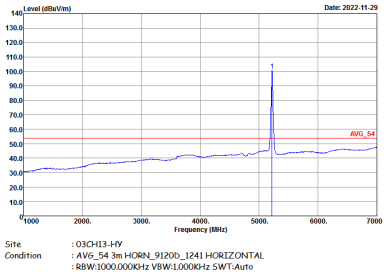
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
3+4	Vertical	Fundamental
Peak		
Avg.		

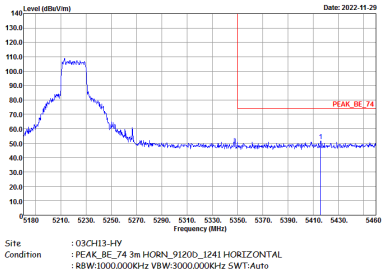
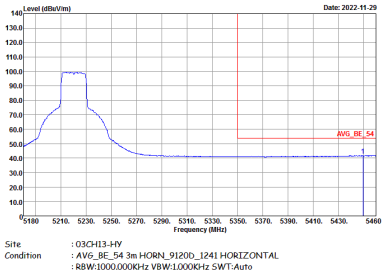
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

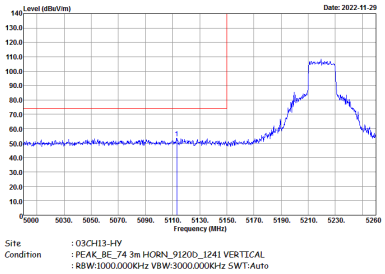
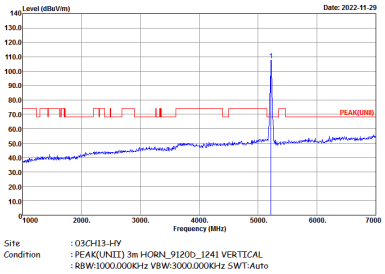
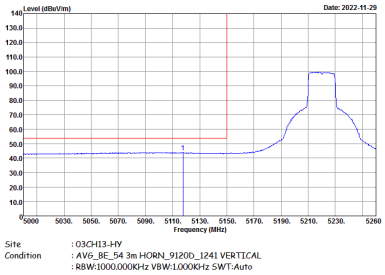
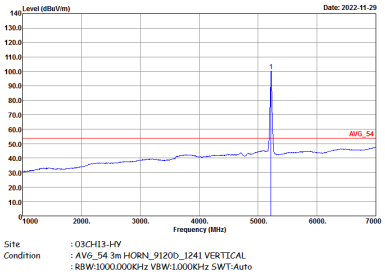
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

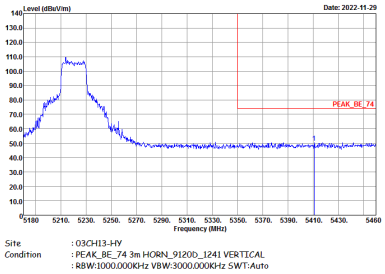
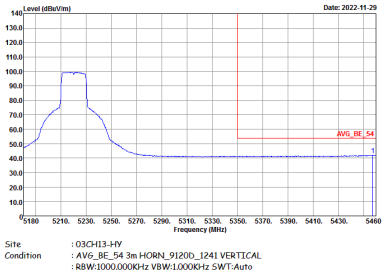
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
3+4	Horizontal	Fundamental
Peak		
Avg.		

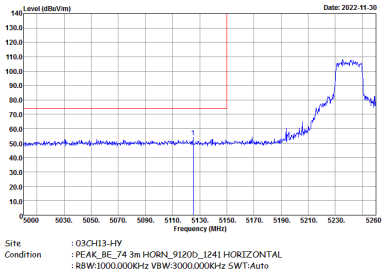
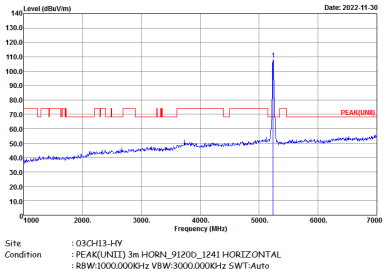
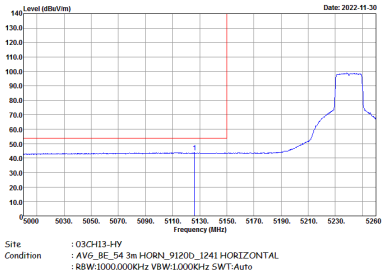
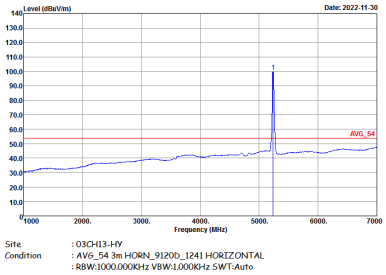
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
3+4	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH13-HV Condition : AVG_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

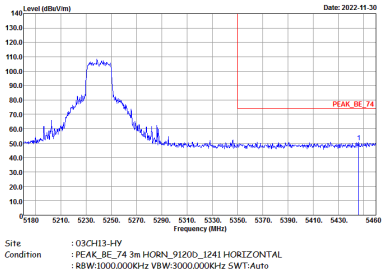
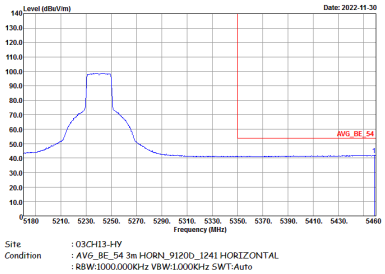
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
3+4	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH13-HV Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

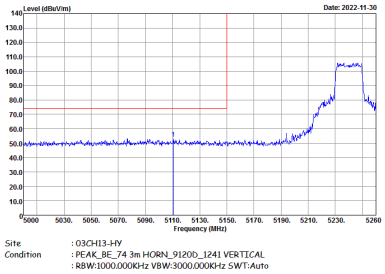
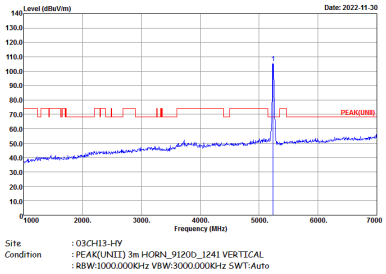
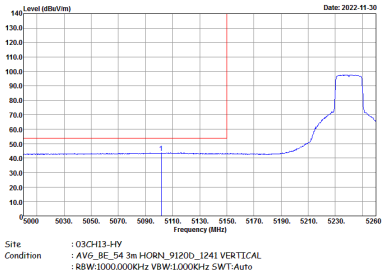
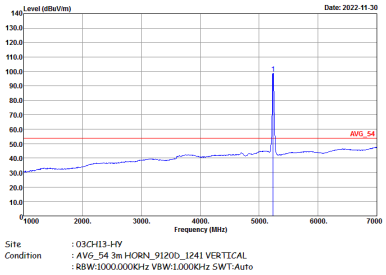
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

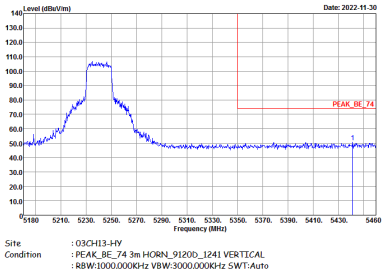
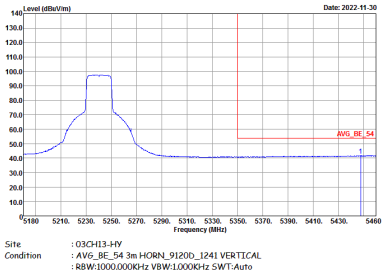
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
3+4	Vertical	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH13-HV Condition : AVG_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

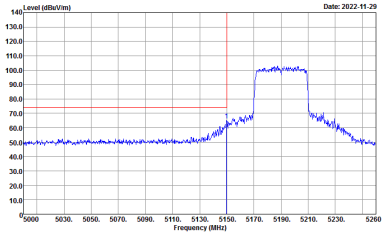
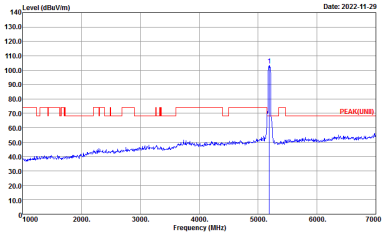
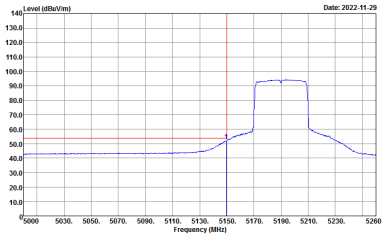
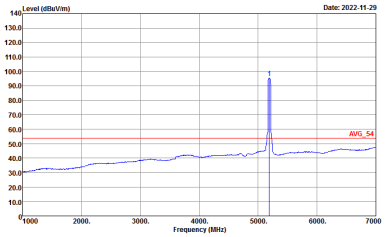
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
3+4	Horizontal	Fundamental
Peak		
Avg.		

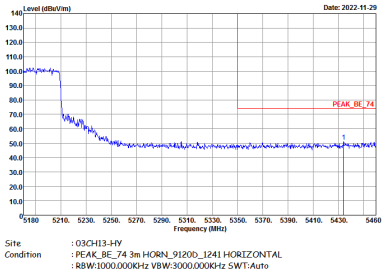
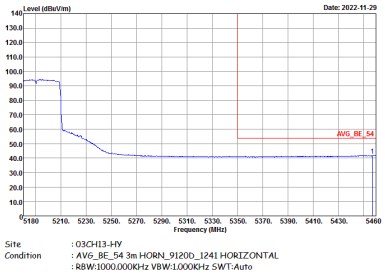
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

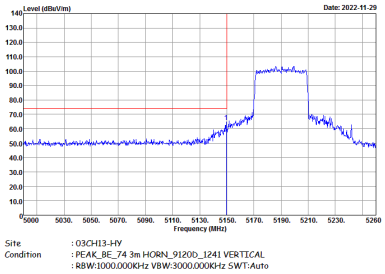
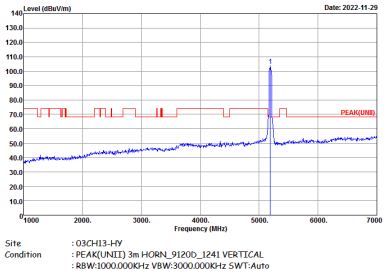
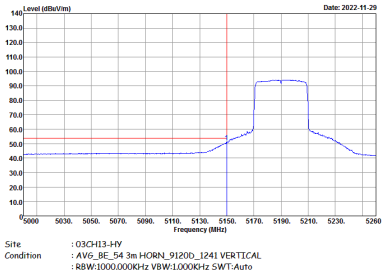
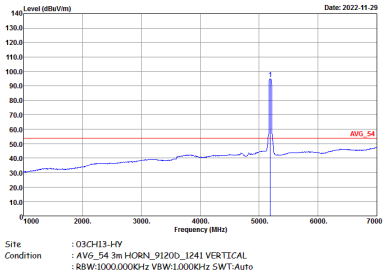
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
3+4	Vertical	Fundamental
Peak		
Avg.		

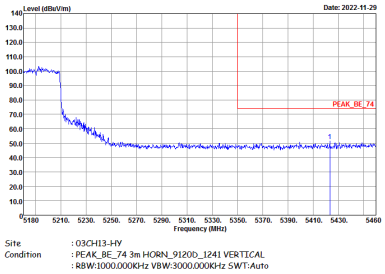
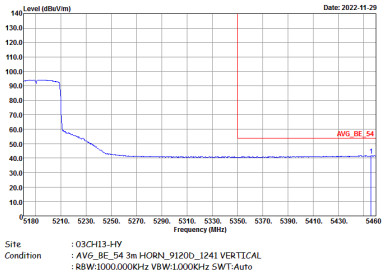
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

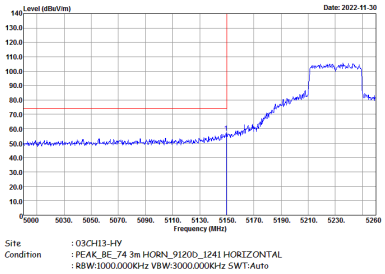
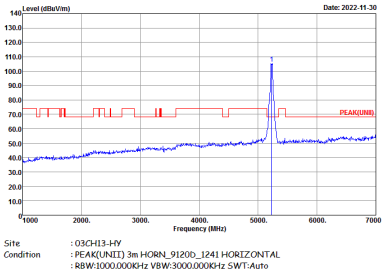
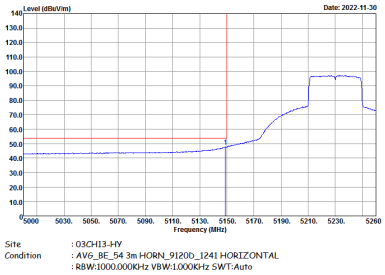
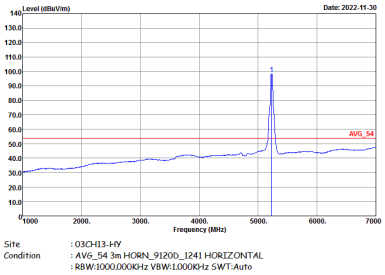
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

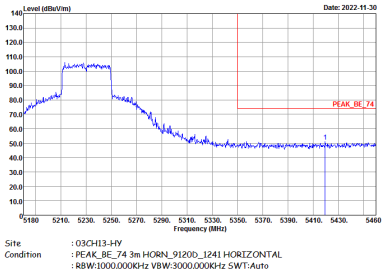
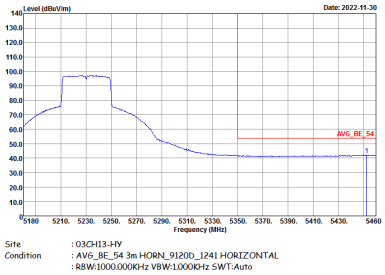
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
3+4	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

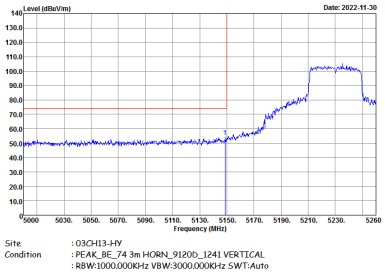
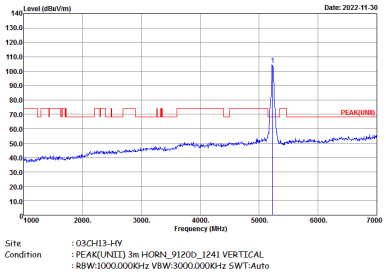
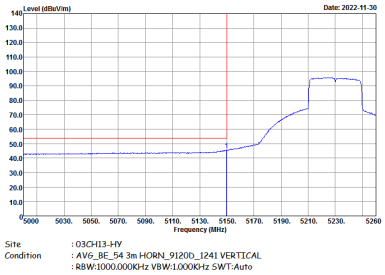
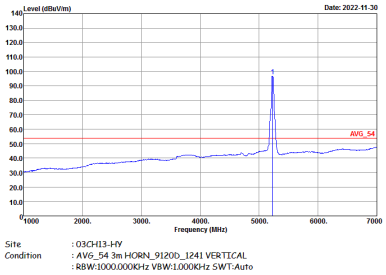
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

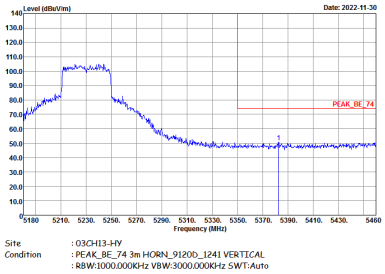
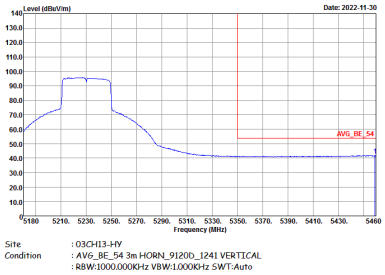
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
3+4	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

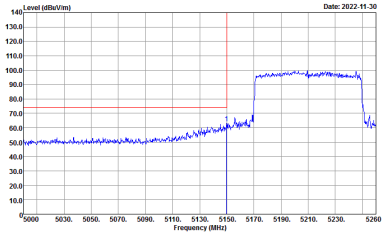
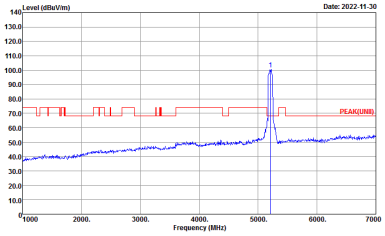
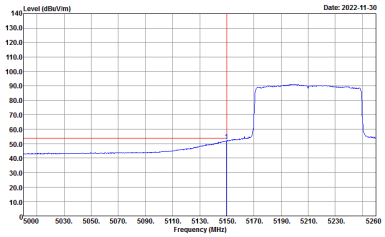
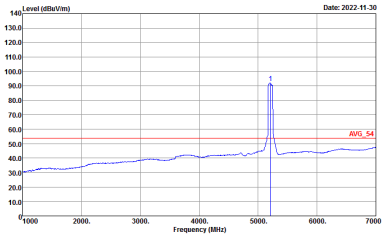
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
3+4	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

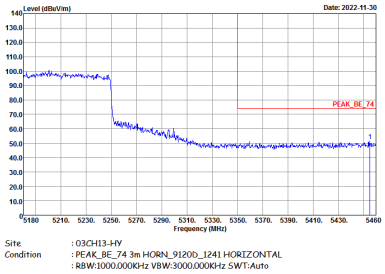
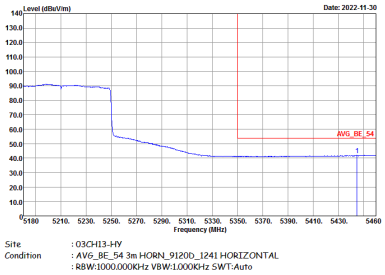
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

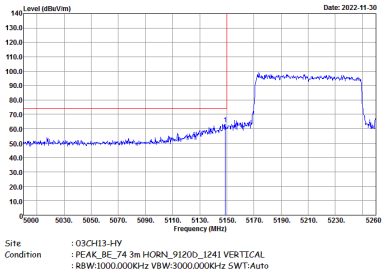
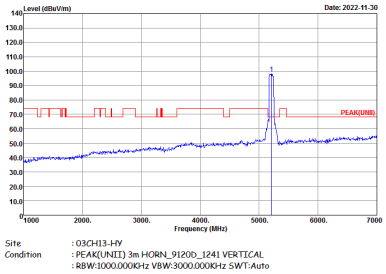
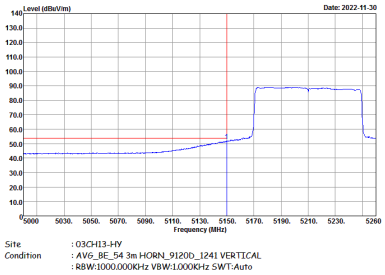
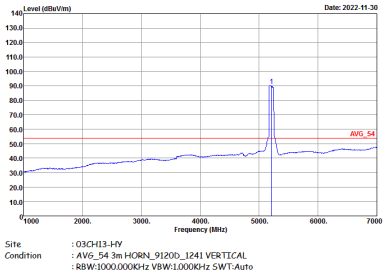
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
3+4	Vertical	Fundamental
Peak		
Avg.		

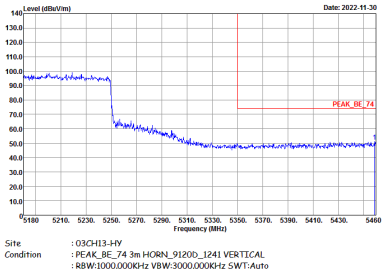
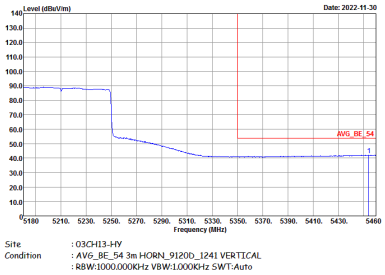
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

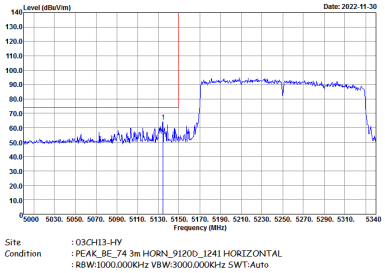
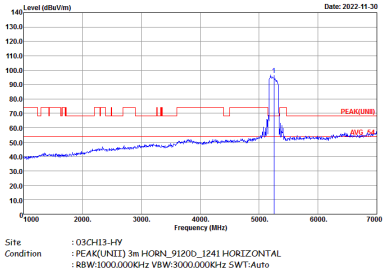
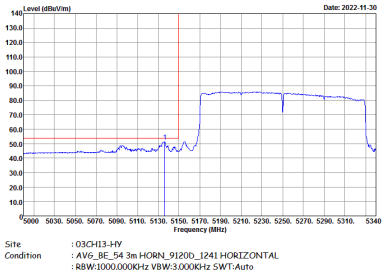
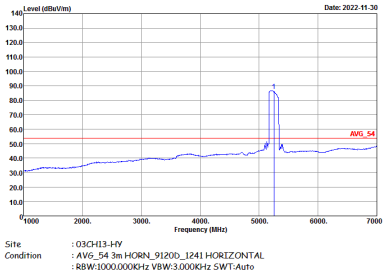
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
3+4	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH13-HY Condition : AVG_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

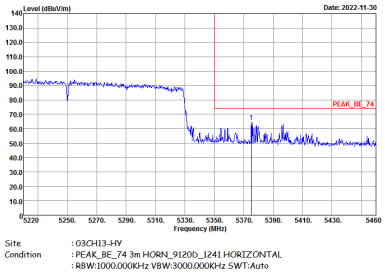
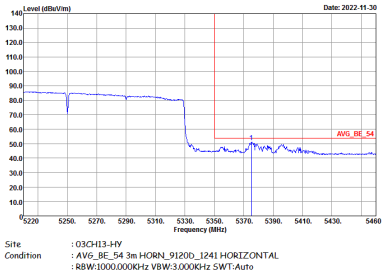
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

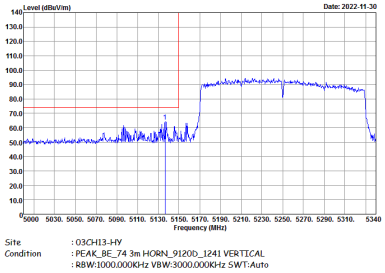
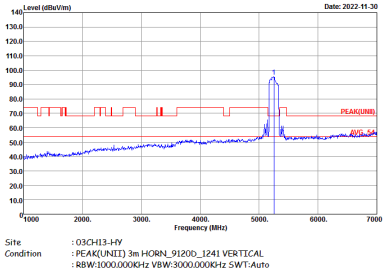
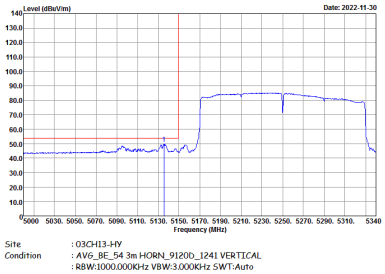
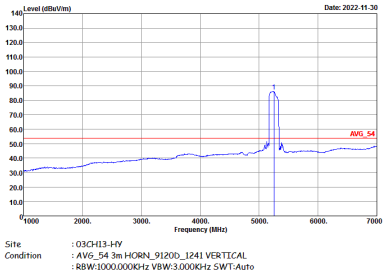
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
3+4	Vertical	Fundamental
Peak		
Avg.		

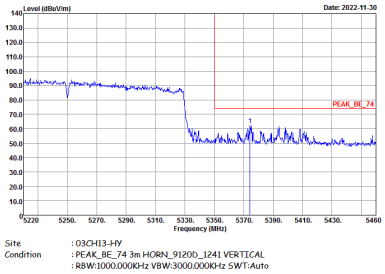
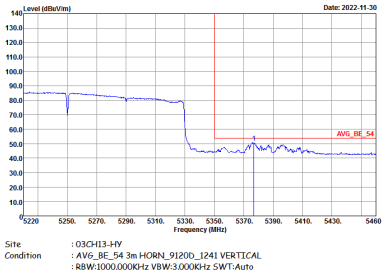
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
3+4	Horizontal	Fundamental
Peak		
Avg.		

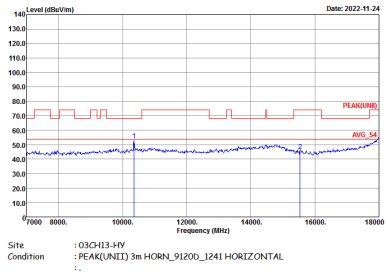
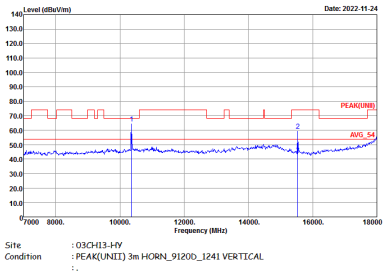
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
3+4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

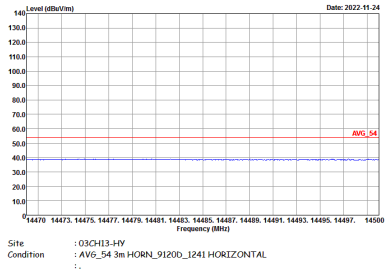
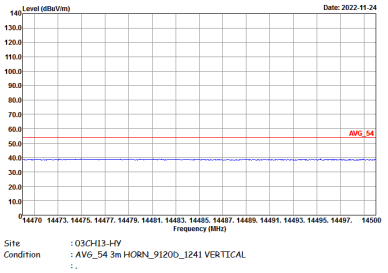
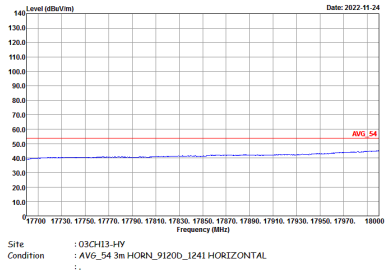
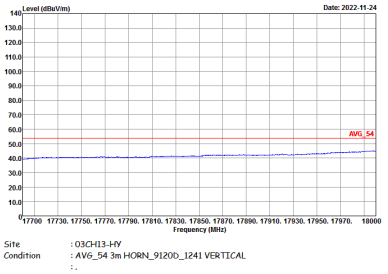
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
3+4	Vertical	Fundamental
Peak		
Avg.		

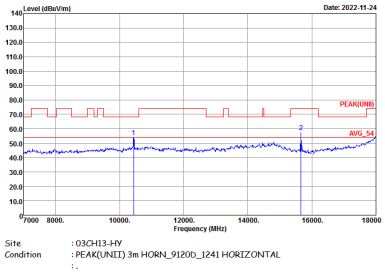
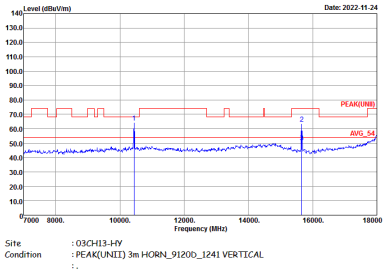
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
3+4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

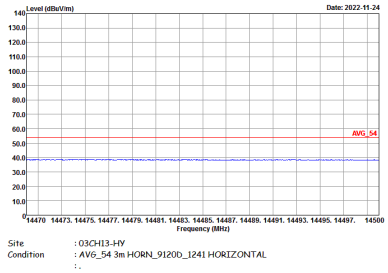
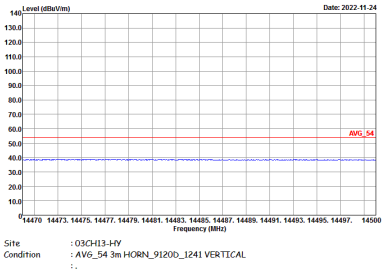
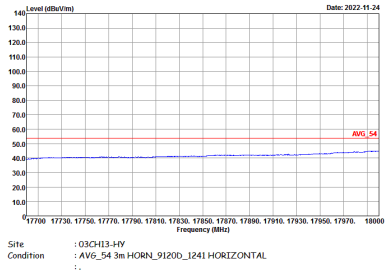
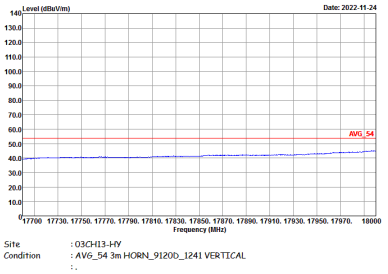
Band 1 - 5150~5250MHz

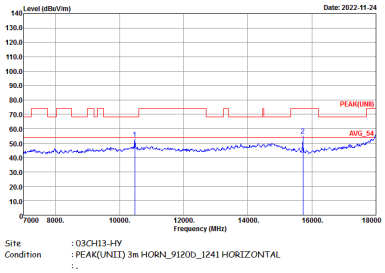
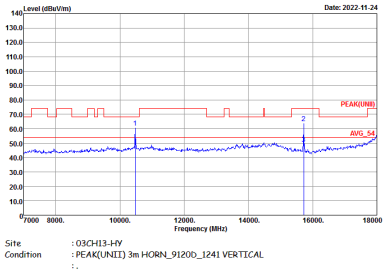
WIFI 802.11a (Harmonic @ 3m)

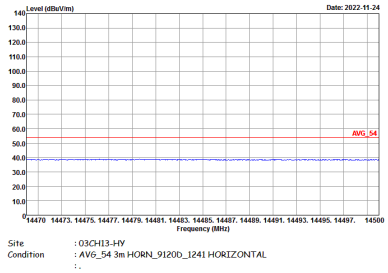
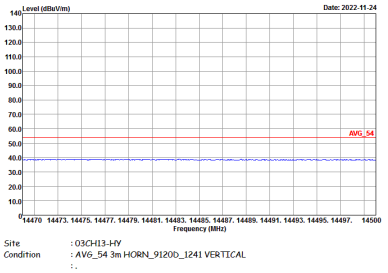
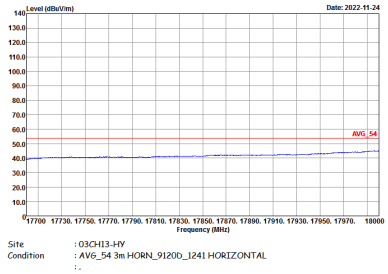
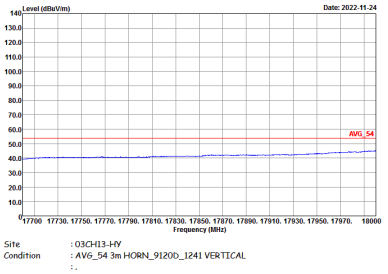
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
3+4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
3+4	Horizontal	Vertical
Peak Avg.		

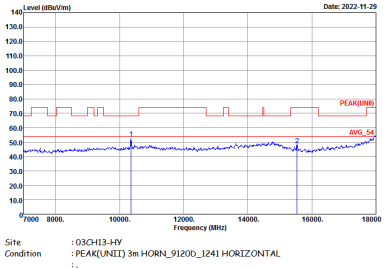
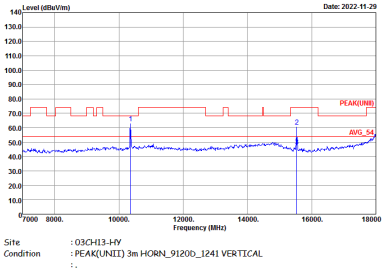
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

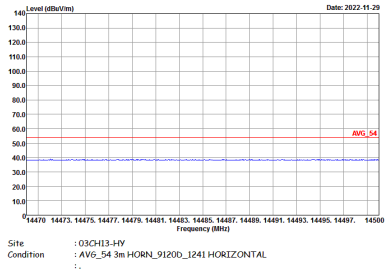
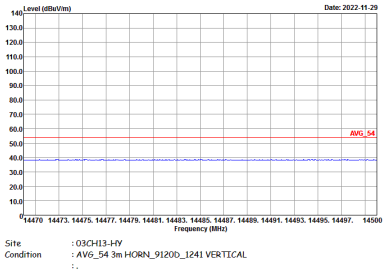
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
3+4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
3+4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
3+4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg