FCC RADIO TEST REPORT

FCC ID	**:**	**A4RG0DZQ**
Equipment	**:**	**Phone**
Applicant	**:**	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Aug. 10, 2022 and testing was performed from Aug. 25, 2022 to Oct. 26, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
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History of this test report

Report No.	Version	Description	Issue Date
FR241215-02E	01	Initial issue of report	Nov. 24, 2022
FR241215-02E	02	Revise Power Spectral Density Measurement	Nov. 30, 2022
FR241215-02E	03	Revise Power Spectral Density Measurement	Dec. 02, 2022
FR241215-02E	04	Revise Setup Photographs	Dec. 07, 2022

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	1.58 dB under the limit at 5468.500 MHz
3.5	15.207	AC Conducted Emission	Pass	17.52 dB under the limit at 0.427 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:

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: William Chen

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Phone
FCC ID	A4RG0DZQ
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/ NFC/GNSS/WPT Client WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 WLAN 11ax HE20/HE40/HE80 Bluetooth BR/EDR/LE

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

EUT Information List	
S/N	**Performed Test Item**
27251FQHN00055 28291FQHN00194	RF Conducted Measurement
28291FQHN00136	Radiated Spurious Emission
28291FQHN00123	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	**MIMO <Ant. 4+3>** **<5180 MHz ~ 5240 MHz>** 802.11a: 21.81 dBm / 0.1517 W 802.11n HT20: 21.71 dBm / 0.1483 W 802.11n HT40: 20.51 dBm / 0.1125 W 802.11ac VHT20: 21.81 dBm / 0.1517 W 802.11ac VHT40: 20.61 dBm / 0.1151 W 802.11ac VHT80: 19.86 dBm / 0.0968 W 802.11ax HE20: 21.91 dBm / 0.1552 W 802.11ax HE40: 20.71 dBm / 0.1178 W 802.11ax HE80: 19.96 dBm / 0.0991 W **<5260 MHz ~ 5320 MHz>** 802.11a: 21.66 dBm / 0.1466 W 802.11n HT20: 21.56 dBm / 0.1432 W 802.11n HT40: 20.41 dBm / 0.1099 W 802.11ac VHT20: 21.66 dBm / 0.1466 W 802.11ac VHT40: 20.51 dBm / 0.1125 W 802.11ac VHT80: 17.46 dBm / 0.0557 W 802.11ax HE20: 21.76 dBm / 0.1500 W 802.11ax HE40: 20.61 dBm / 0.1151 W 802.11ax HE80: 17.42 dBm / 0.0552 W **<5500 MHz ~ 5720 MHz>** 802.11a: 21.81 dBm / 0.1517 W 802.11n HT20: 21.46 dBm / 0.1400 W 802.11n HT40: 20.57 dBm / 0.1140 W 802.11ac VHT20: 21.56 dBm / 0.1432 W 802.11ac VHT40: 20.67 dBm / 0.1167 W 802.11ac VHT80: 19.76 dBm / 0.0946 W 802.11ax HE20: 21.66 dBm / 0.1466 W 802.11ax HE40: 20.77 dBm / 0.1194 W 802.11ax HE80: 19.86 dBm / 0.0968 W **<5745 MHz ~ 5825 MHz>** 802.11a: 21.62 dBm / 0.1452 W 802.11n HT20: 21.32 dBm / 0.1355 W 802.11n HT40: 20.57 dBm / 0.1140 W 802.11ac VHT20: 21.56 dBm / 0.1432 W 802.11ac VHT40: 20.67 dBm / 0.1167 W 802.11ac VHT80: 19.86 dBm / 0.0968 W 802.11ax HE20: 21.52 dBm / 0.1419 W 802.11ax HE40: 20.77 dBm / 0.1194 W 802.11ax HE80: 19.96 dBm / 0.0991 W

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>99% Occupied Bandwidth</td><td>MIMO <Ant. 4>
802.11a: 16.43 MHz
802.11ax HE20: 18.98 MHz
802.11ax HE40: 37.86 MHz
802.11ax HE80: 76.84 MHz
MIMO <Ant. 3>
802.11a: 16.48 MHz
802.11ax HE20: 18.98 MHz
802.11ax HE40: 37.86 MHz
802.11ax HE80: 76.96 MHz</td></tr>
<tr><td>Antenna Type</td><td><5180 MHz ~ 5240 MHz>
<Ant. 4>: ILA Antenna
<Ant. 3>: IFA Antenna
<5260 MHz ~ 5320 MHz>
<Ant. 4>: ILA Antenna
<Ant. 3>: IFA Antenna
<5500 MHz ~ 5720 MHz>
<Ant. 4>: ILA Antenna
<Ant. 3>: IFA Antenna
<5745 MHz ~ 5825 MHz>
<Ant. 4>: ILA Antenna
<Ant. 3>: IFA Antenna</td></tr>
<tr><td>Antenna Gain</td><td><5180 MHz ~ 5240 MHz>
<Ant. 4>: -3.1 dBi
<Ant. 3>: -3.3 dBi
<5260 MHz ~ 5320 MHz>
<Ant. 4>: -0.8 dBi
<Ant. 3>: -3.0 dBi
<5500 MHz ~ 5720 MHz>
<Ant. 4>: 0.9 dBi
<Ant. 3>: -1.1 dBi
<5745 MHz ~ 5825 MHz>
<Ant. 4>: 0.4 dBi
<Ant. 3>: -0.7 dBi</td></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. 4</td><td>Ant. 3</td></tr><tr><td>802.11a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr></table></td></tr>
</table>

Remark:

1. MIMO Ant. 4+3 Directional Gain is a calculated result from MIMO Ant. 4 and MIMO Ant. 3. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 4 + Ant. 3 is a calculated result from sum of the power MIMO Ant. 4 and MIMO Ant. 3.
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 4 (dBi)	Ant 3 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-3.10	-3.30	-3.10	-0.19	0.00	0.00
Band II	-0.80	-3.00	-0.80	1.18	0.00	0.00
Band III	0.90	-1.10	0.90	2.97	0.00	0.00
Band IV	0.40	-0.70	0.40	2.88	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT1}= -3.1dBi; G_{ANT2}=-3.3dBi

Directional gain of power measurement = max(-3.1, -3.3) + 0 = -3.1 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (-3.1 dBi / 20) + 10^ (-3.3 dBi / 20)] ^ 2 } / 2 }

= -0.19 dBi

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

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, 03CH15-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 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)	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.

2.2 Test Mode

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

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 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 power for 802.11n and 802.11ac mode is smaller than 802.11ax mode, so all other conducted and radiated test is covered by 802.11ax mode.

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

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + WLAN (5GHz) Link + Bluetooth Link + USB Cable 2 (Charging from AC Adapter 1)

Remark:
1. For Radiated Test Cases, the tests were performed with Adapter 1 and USB Cable 2.
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

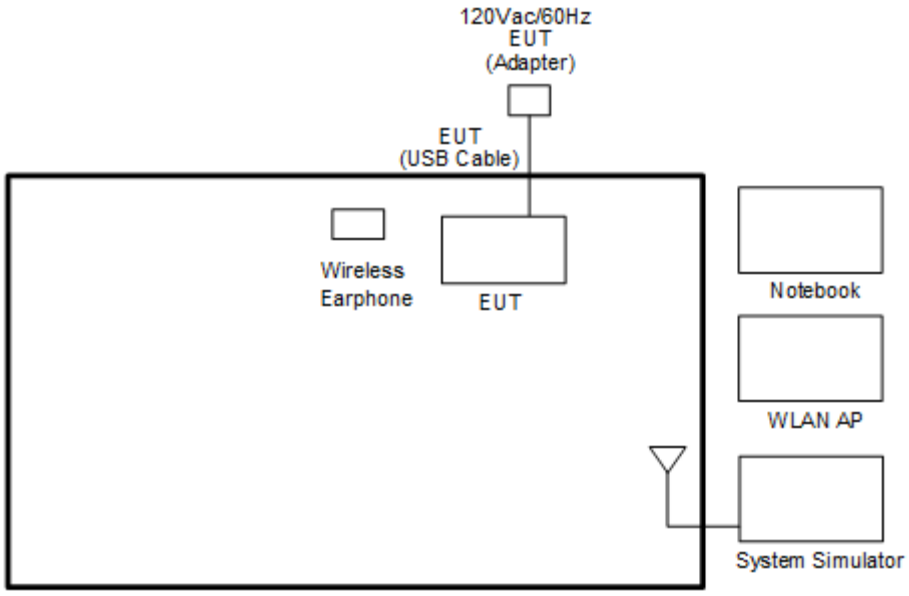
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

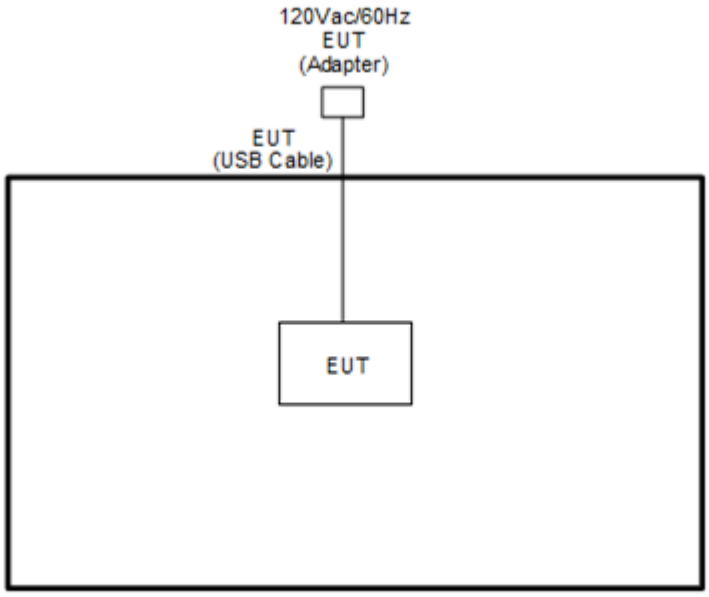
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<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	D-Link	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude 3400	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 "QRCT4.0.00197.0" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 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.

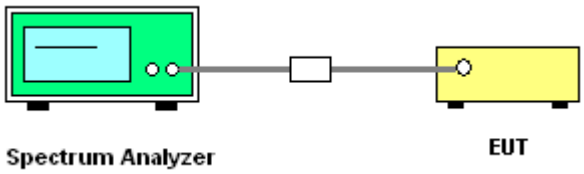
3.1.2 Measuring Instruments

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

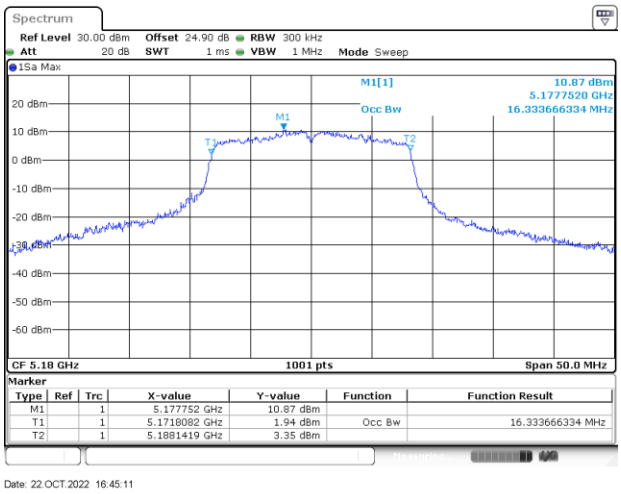
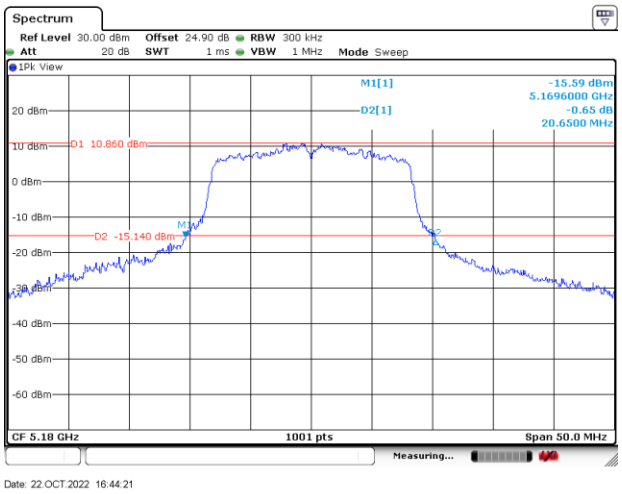
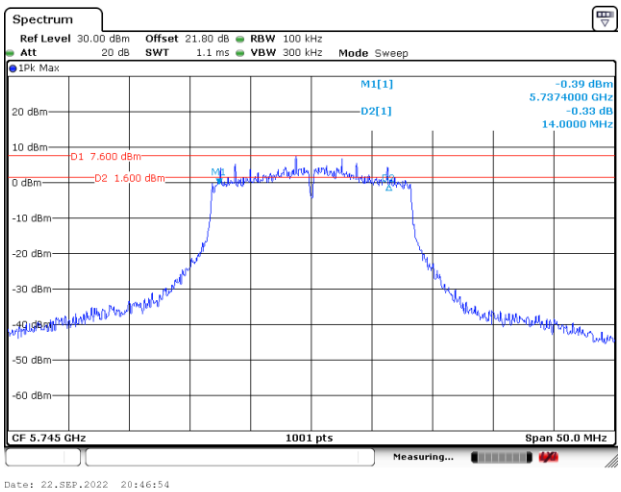


3.1.5 Test Result of Emission Bandwidth and 99% Occupied Bandwidth

Please refer to Appendix A.

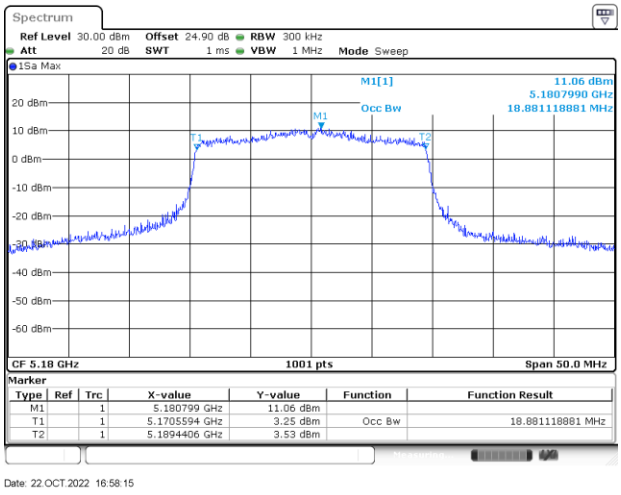
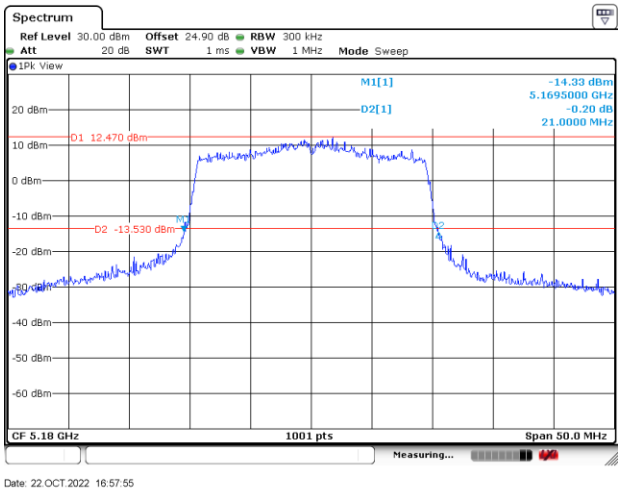
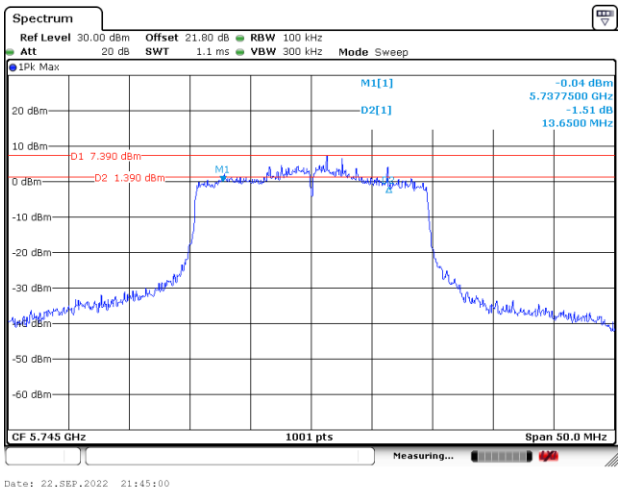
MIMO <Ant. 4+3>

<802.11a>

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

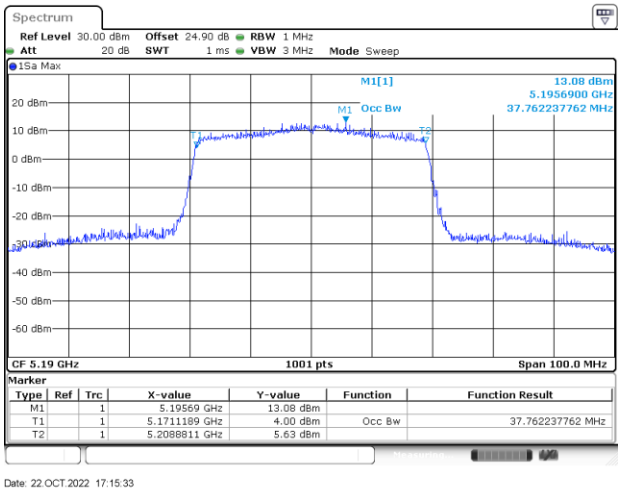
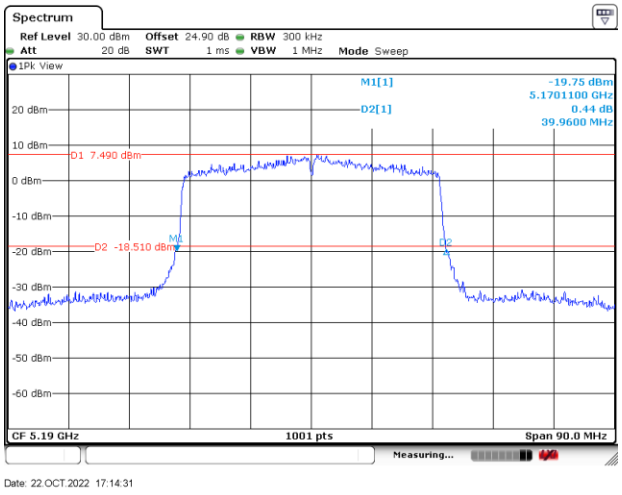
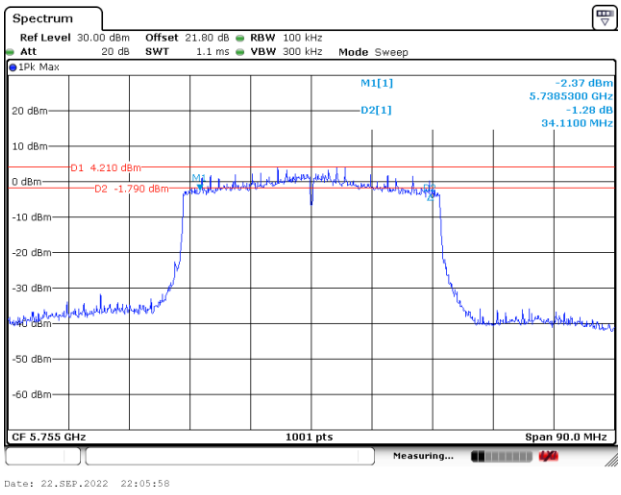
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

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

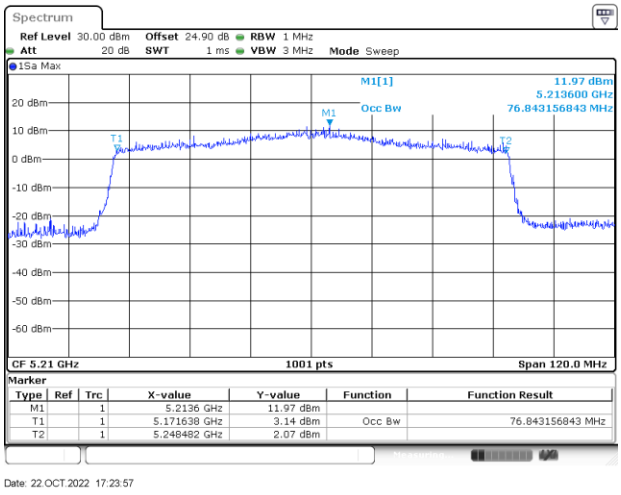
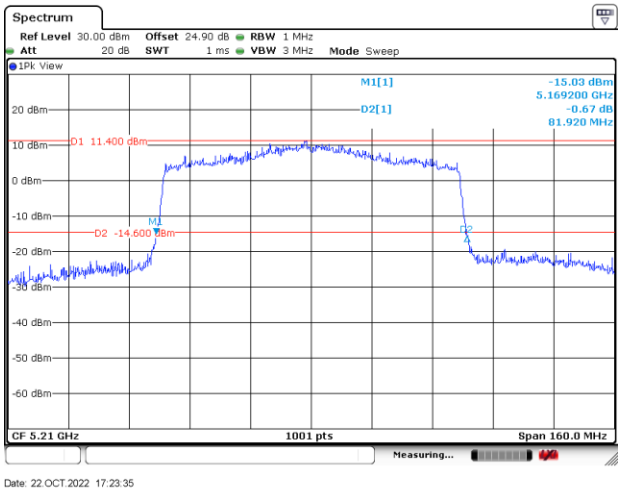
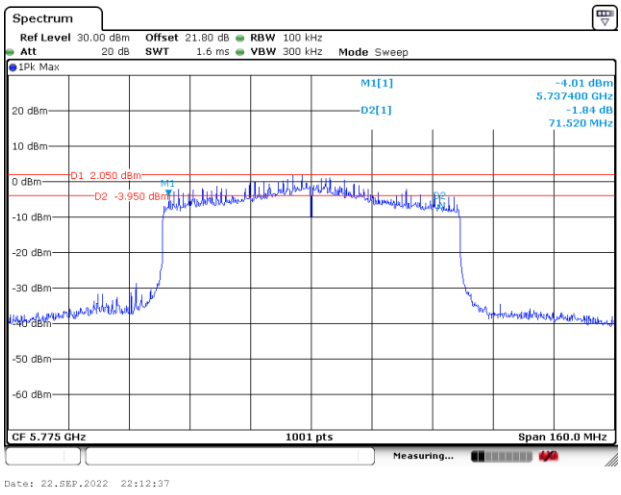
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<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.

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

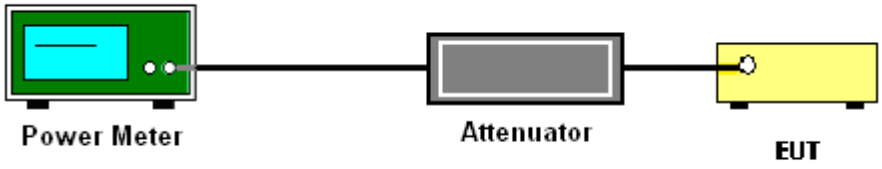
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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:

<For 802.11a Mode and 802.11ax Full RU Mode>

 # Method SA-1 #

(trace averaging with the EUT transmissiing at full power throughout each sweep).

- 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.

<For 802.11ax Partial RU Mode>

 # Method SA-3 #

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

- 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 ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
  Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

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

<For 802.11a Mode and 802.11ax Full RU Mode>

 # Method SA-1 #

(trace averaging with the EUT transmissiing at full power throughout each sweep).

- 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.

<For 802.11ax Partial RU Mode>

 # Method SA-3 #

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

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW ≥ 1 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

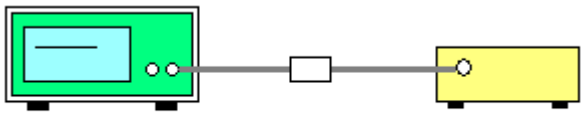
  Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

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

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

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

3.3.4 Test Setup

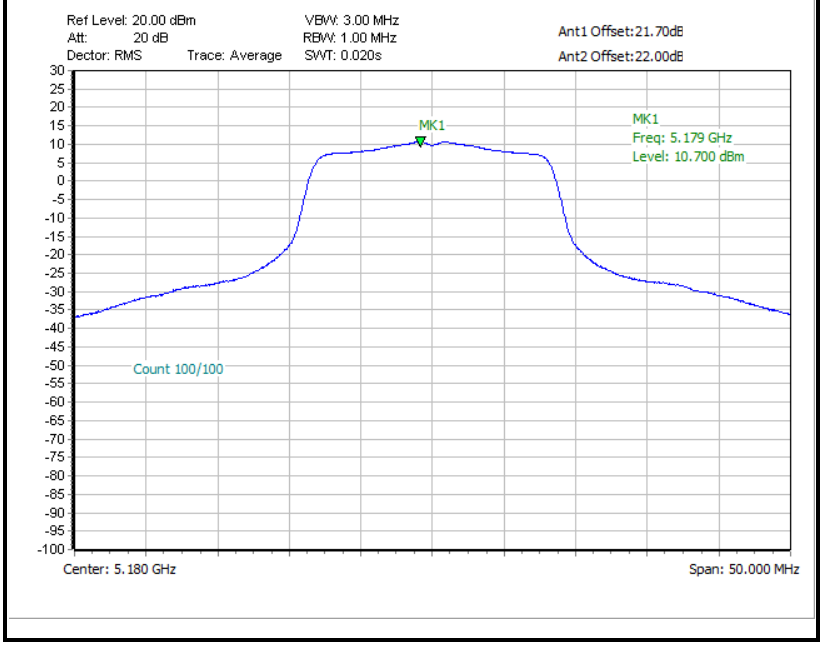


3.3.5 Test Result of Power Spectral Density

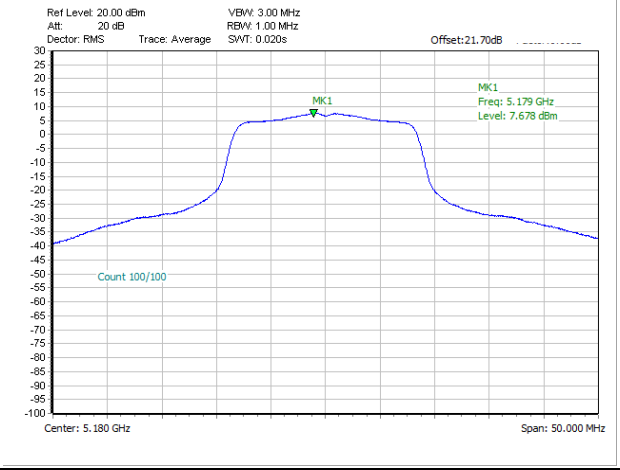
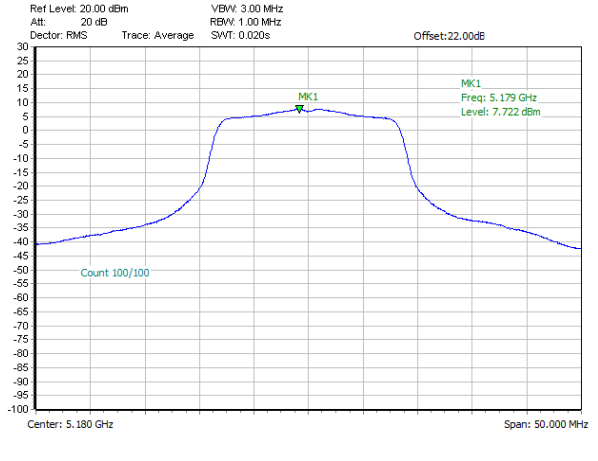
Please refer to Appendix A.

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

<802.11a>

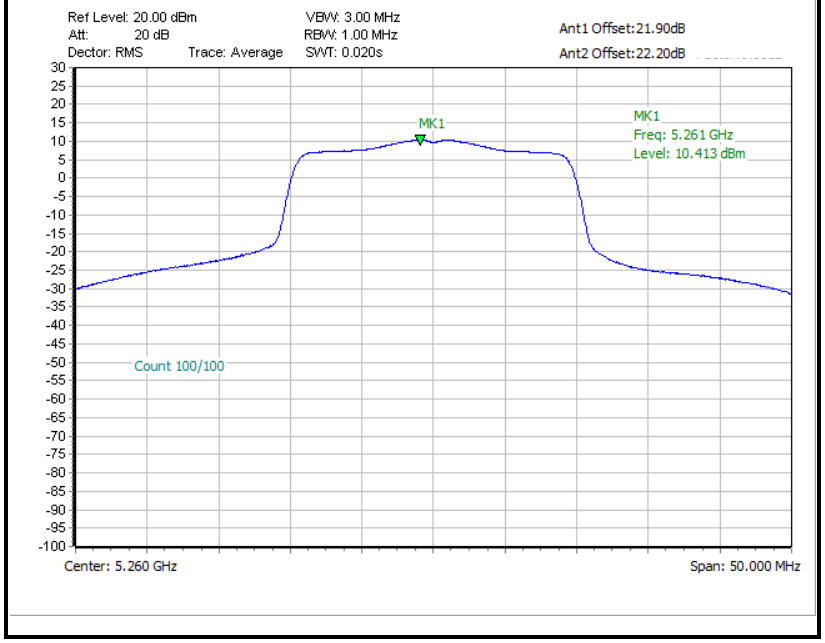
Maximum Power Density Plot (dBm/MHz)


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

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

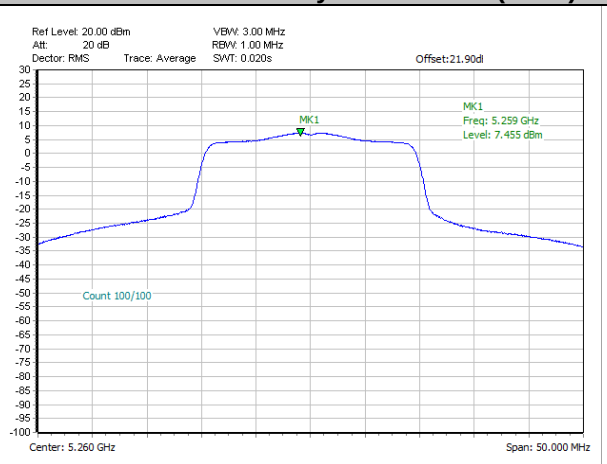
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)

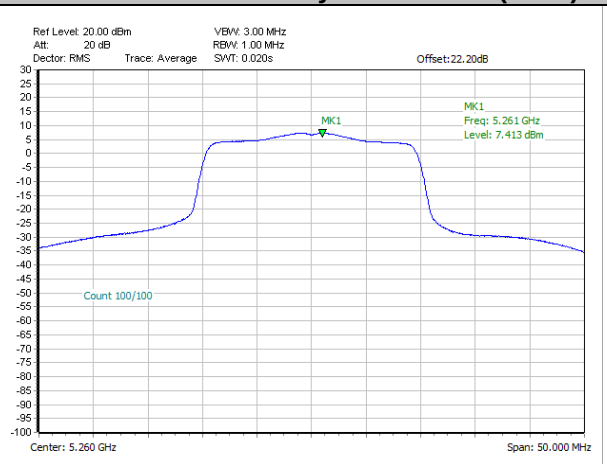


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 4)

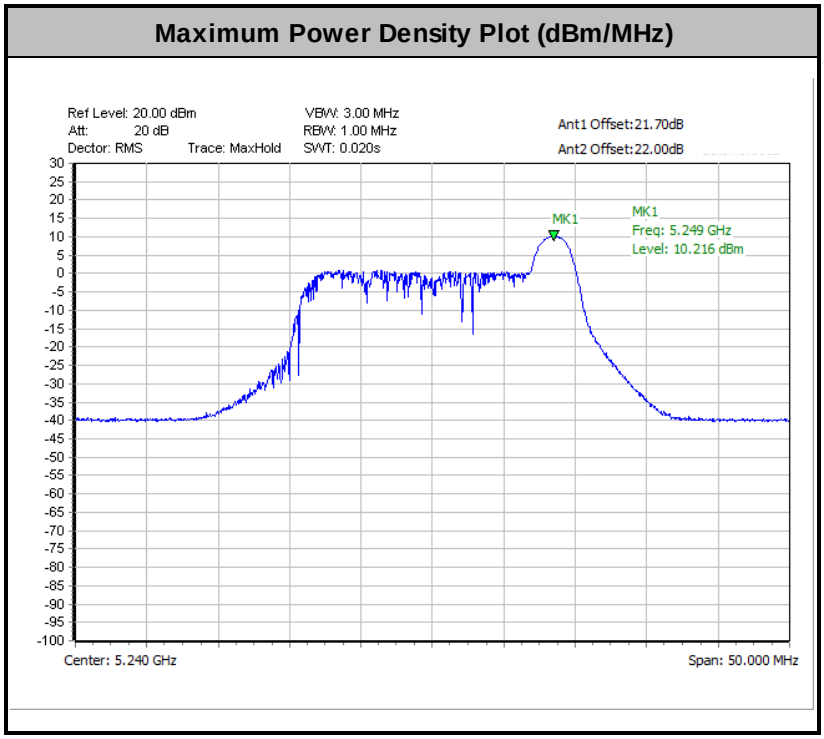


Maximum Power Density Plot Trace 2 (Ant 3)

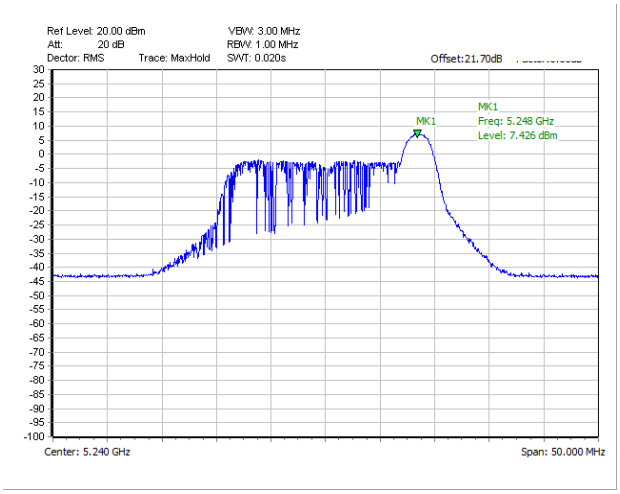
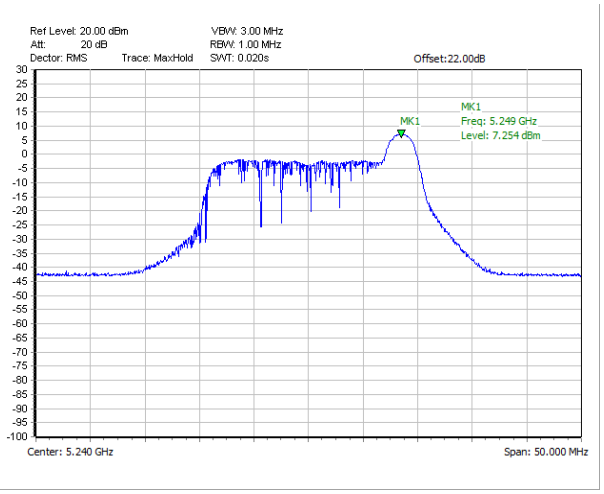


<802.11ax HE20 26RU>

Maximum Power Density Plot (dBm/MHz)

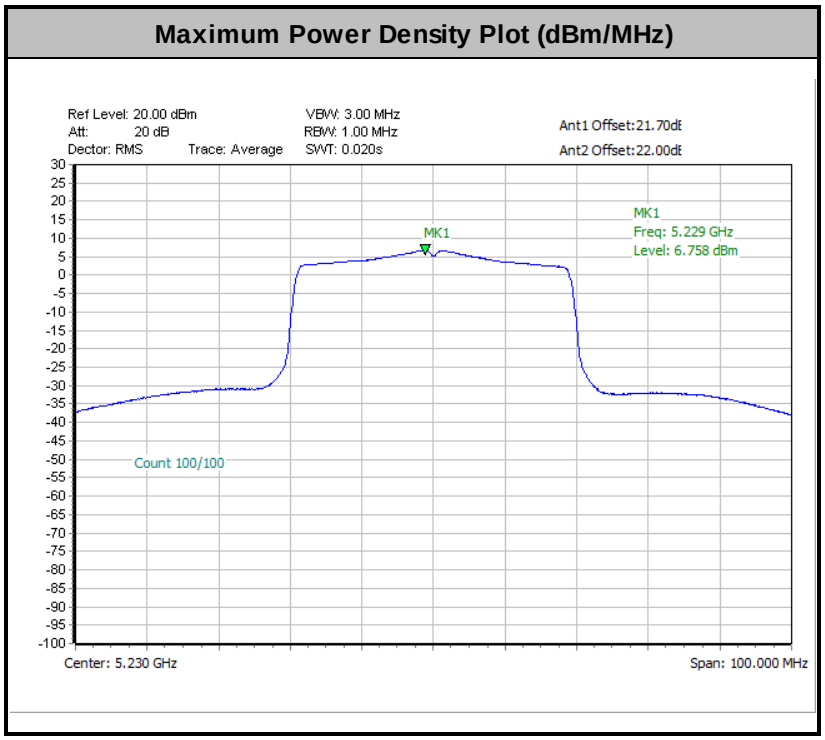


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

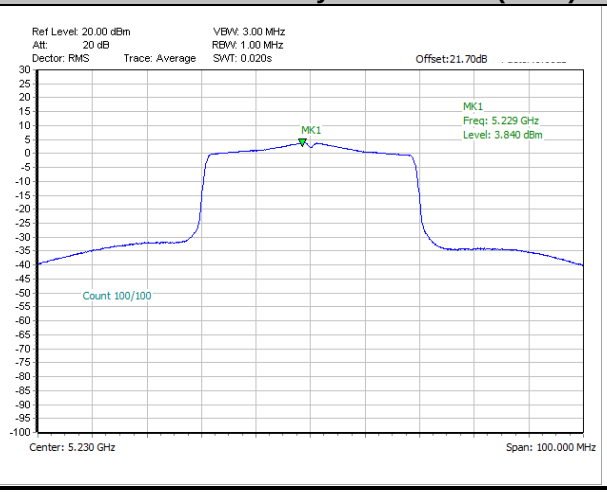
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)

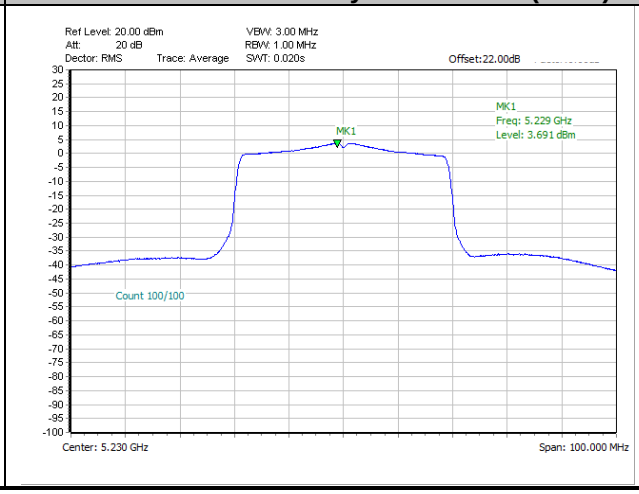


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 4)

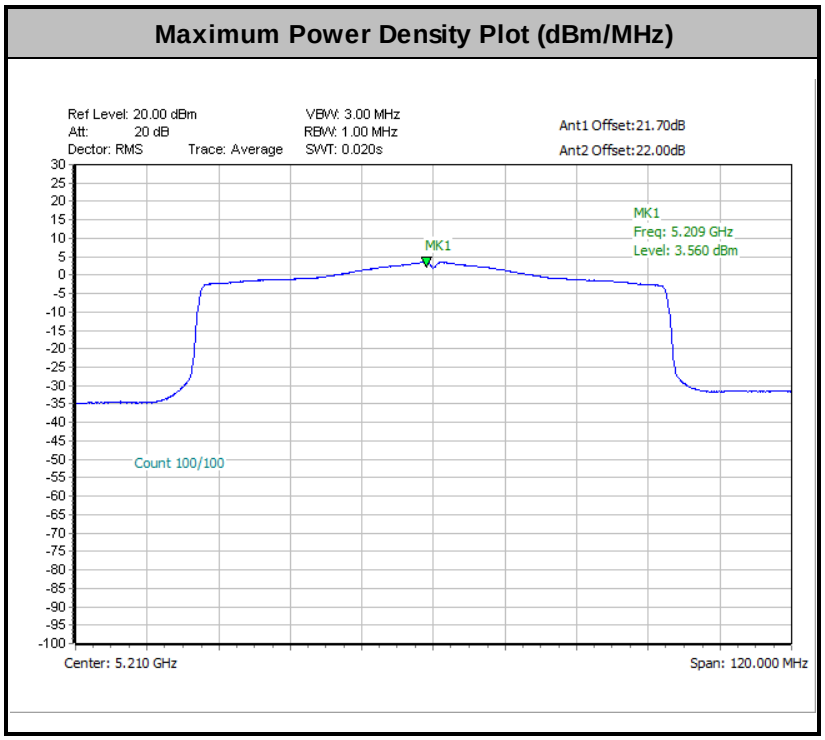


Maximum Power Density Plot Trace 2 (Ant 3)

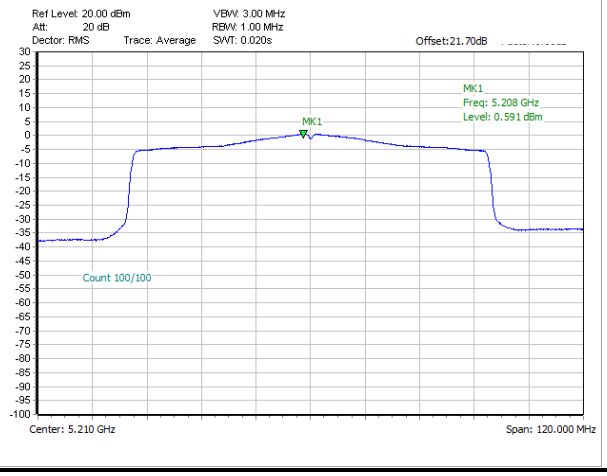
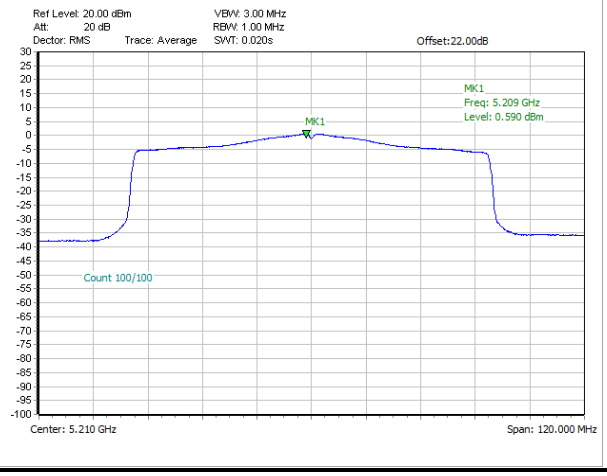


<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)

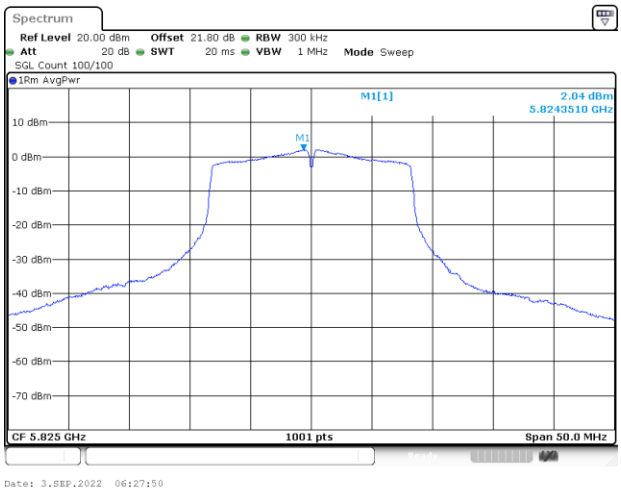
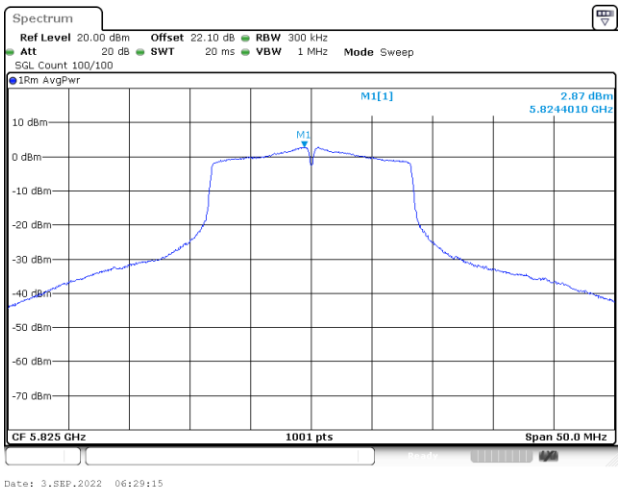


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

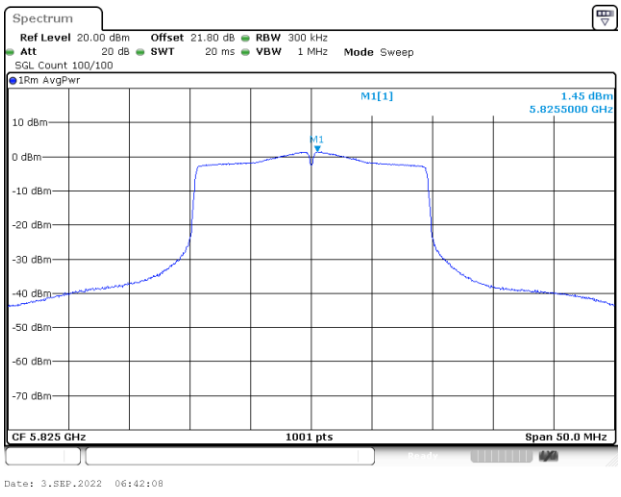
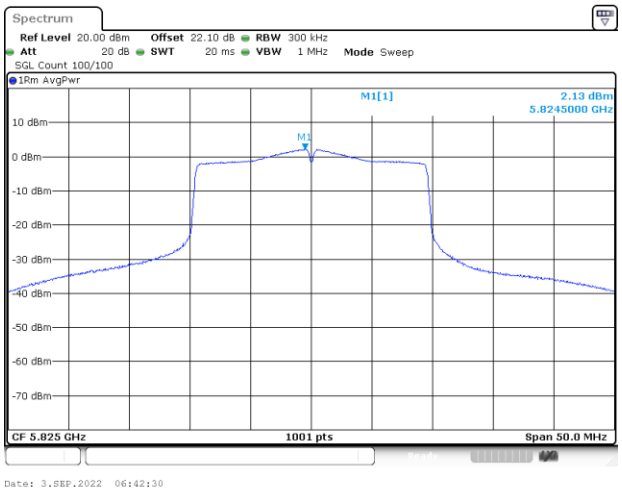
Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

For the band 5.725–5.85 GHz:

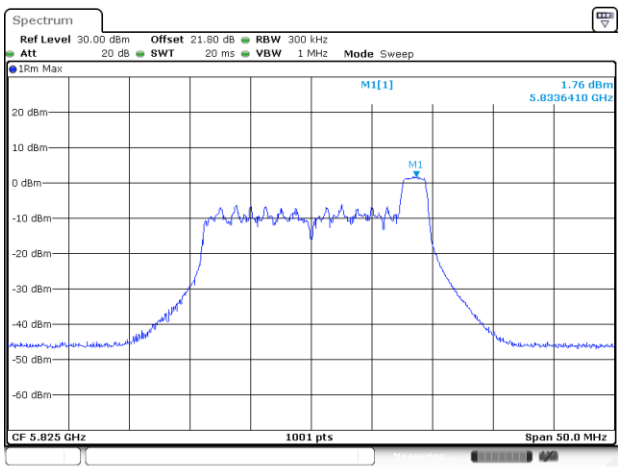
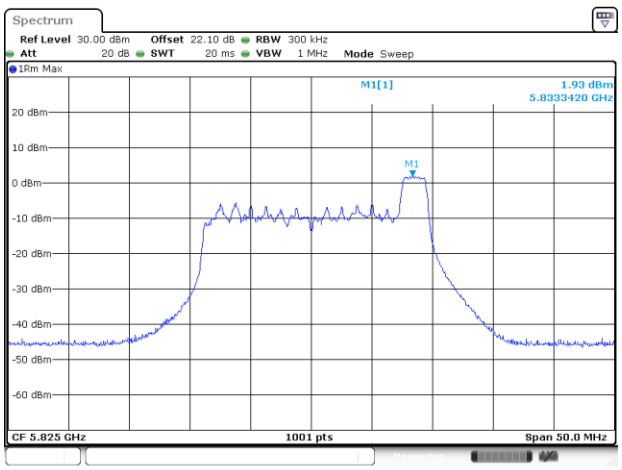
<802.11a>

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

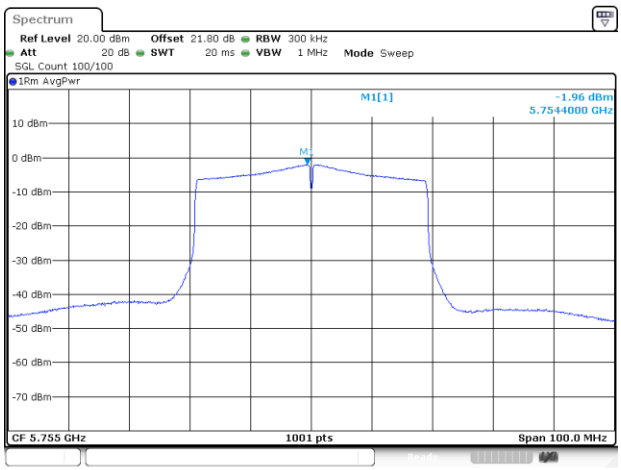
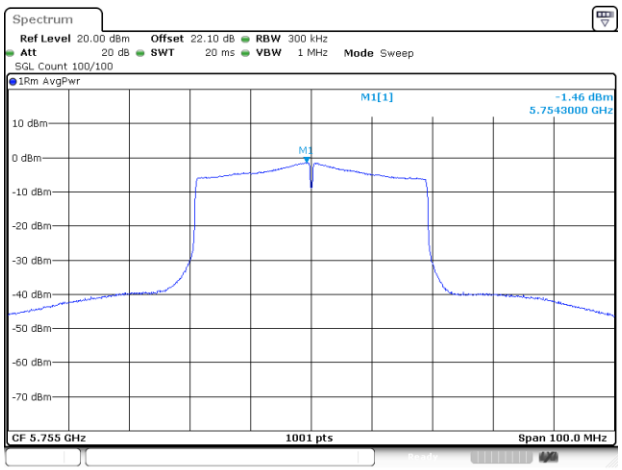
<802.11ax HE20>

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

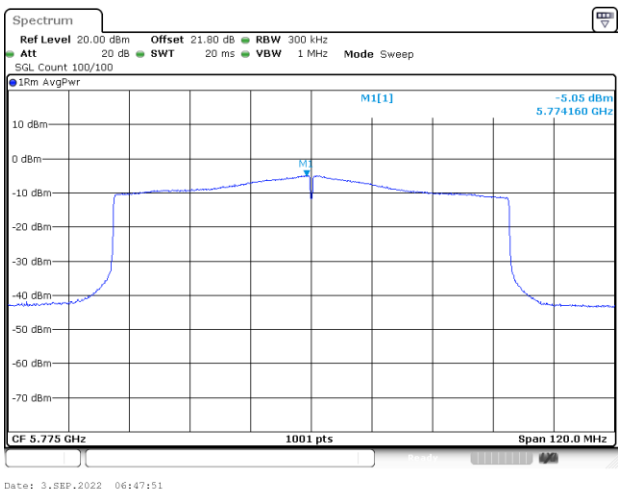
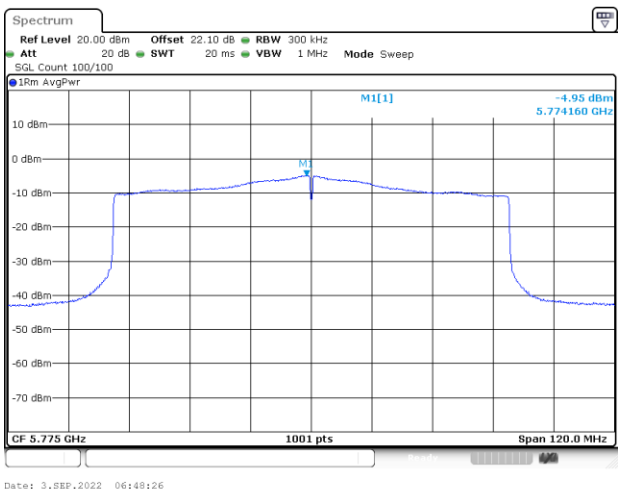
<802.11ax HE20 26RU>

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

<802.11ax HE40>

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

<802.11ax HE80>

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

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

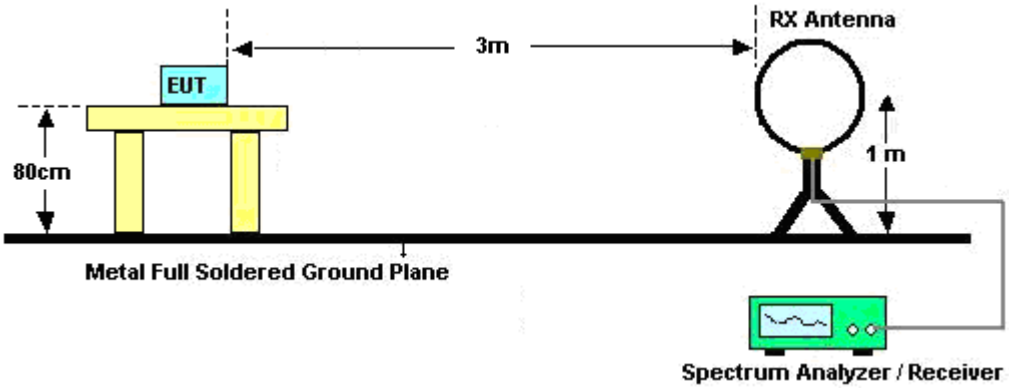
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

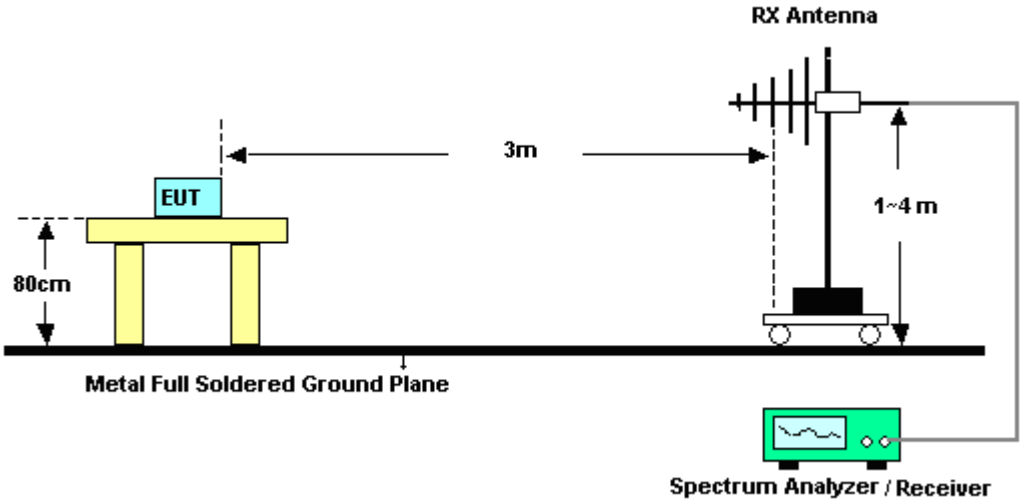
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

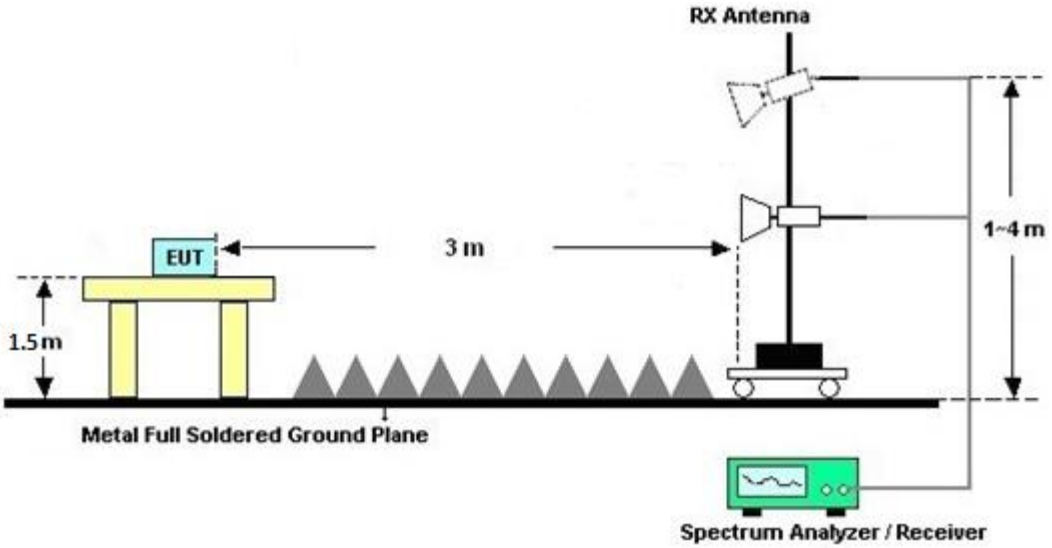
For radiated emissions below 30MHz



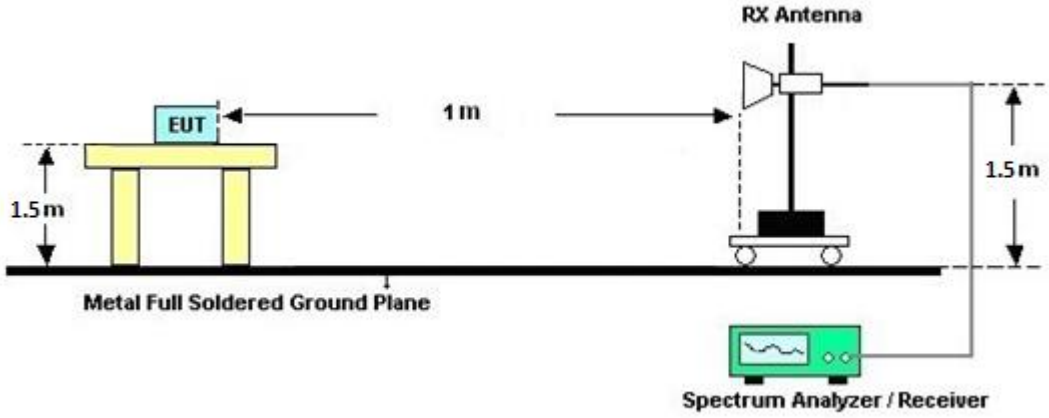
For radiated emissions from 30MHz to 1GHz



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.

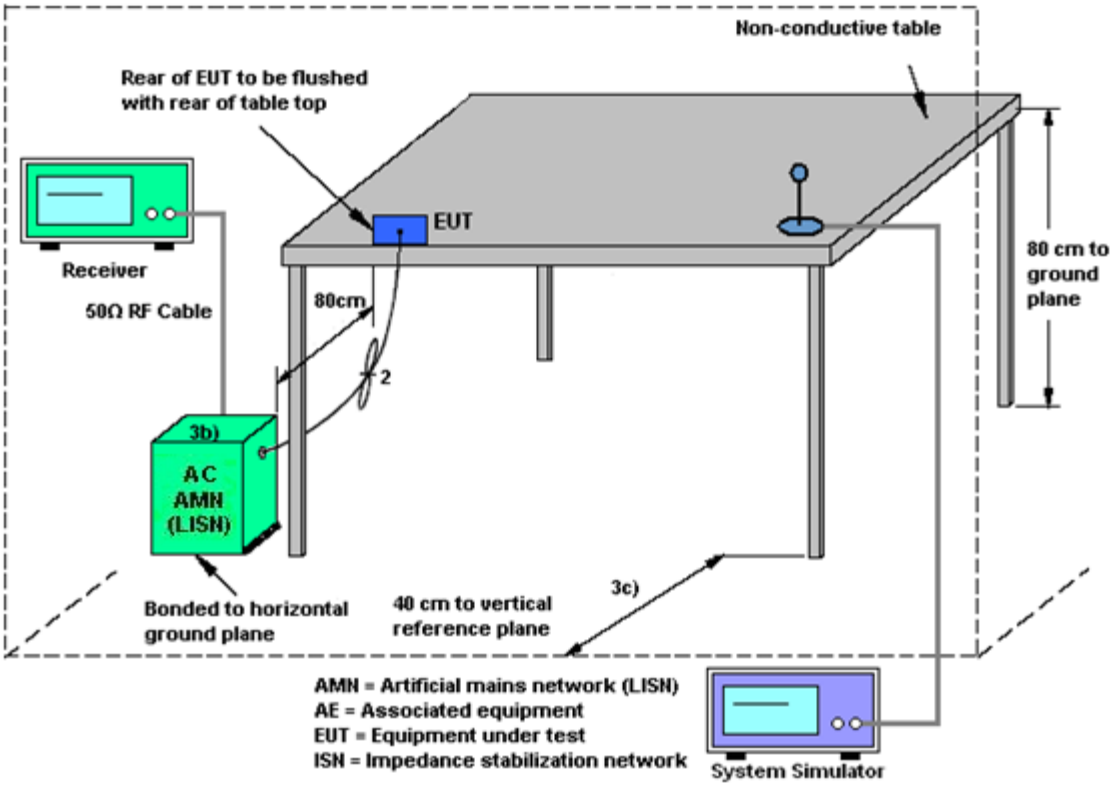
3.5.2 Measuring Instruments

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	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Mar. 18, 2022	Sep. 29, 2022~ Oct. 26, 2022	Mar. 17, 2023	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Sep. 29, 2022~ Oct. 26, 2022	Feb. 05, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2021	Sep. 29, 2022~ Oct. 26, 2022	Dec. 26, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2022	Sep. 29, 2022~ Oct. 26, 2022	Jun. 22, 2023	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00993	18GHz~40GHz	Nov. 30, 2021	Sep. 29, 2022~ Oct. 26, 2022	Nov. 29, 2022	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Sep. 01, 2022	Sep. 29, 2022~ Oct. 26, 2022	Aug. 31, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Dec. 16, 2021	Sep. 29, 2022~ Oct. 26, 2022	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060802	18-40GHz	Mar. 08, 2022	Sep. 29, 2022~ Oct. 26, 2022	Mar. 07, 2023	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Sep. 29, 2022~ Oct. 16, 2022	Oct. 20, 2022	Radiation (03CH15-HY
Spectrum Analyzer	Keysight	N9010	MY54200485	10Hz~44GHz	May 07, 2022	Sep. 29, 2022~ Oct. 26, 2022	May 06, 2023	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Sep. 29, 2022~ Oct. 26, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Sep. 29, 2022~ Oct. 26, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Sep. 29, 2022~ Oct. 26, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE, 508405/2E	30MHz~18G	Nov. 15, 2021	Sep. 29, 2022~ Oct. 26, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	30MHz-40GHz	Jan. 04, 2022	Sep. 29, 2022~ Oct. 26, 2022	Jan. 03, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Sep. 29, 2022~ Oct. 26, 2022	Mar. 09, 2023	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Aug. 25, 2022~ Oct. 23, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Aug. 25, 2022~ Oct. 23, 2022	Dec. 28, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Aug. 25, 2022~ Oct. 23, 2022	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 19, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Sep. 19, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Sep. 19, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2021	Sep. 19, 2022	Nov. 15, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Sep. 19, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Sep. 19, 2022	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Sep. 19, 2022	Dec. 29, 2022	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.10 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.30 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.20 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.40 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.60 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu/Junyu Jhou	Temperature:	21~25	°C
Test Date:	2022/8/25~2022/10/23	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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	36	5180	16.33	16.38	20.65	19.20	-		22.13			
11a	6Mbps	2	44	5220	16.33	16.38	20.30	19.45	-		22.13			
11a	6Mbps	2	48	5240	16.38	16.38	20.65	19.75	-		22.14			

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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	36	5180	18.70	18.90	21.81	24.00		-3.10			Pass
11a	6Mbps	2	44	5220	18.70	18.80	21.76	24.00		-3.10			Pass
11a	6Mbps	2	48	5240	18.50	18.50	21.51	24.00		-3.10			Pass
HT20	MCS0	2	36	5180	17.30	17.30	20.31	24.00		-3.10			Pass
HT20	MCS0	2	44	5220	18.60	18.80	21.71	24.00		-3.10			Pass
HT20	MCS0	2	48	5240	18.50	18.50	21.51	24.00		-3.10			Pass
HT40	MCS0	2	38	5190	16.40	16.20	19.31	24.00		-3.10			Pass
HT40	MCS0	2	46	5230	17.60	17.40	20.51	24.00		-3.10			Pass
VHT20	MCS0	2	36	5180	17.40	17.40	20.41	24.00		-3.10			Pass
VHT20	MCS0	2	44	5220	18.70	18.90	21.81	24.00		-3.10			Pass
VHT20	MCS0	2	48	5240	18.60	18.60	21.61	24.00		-3.10			Pass
VHT40	MCS0	2	38	5190	16.50	16.30	19.41	24.00		-3.10			Pass
VHT40	MCS0	2	46	5230	17.70	17.50	20.61	24.00		-3.10			Pass
VHT80	MCS0	2	42	5210	16.90	16.80	19.86	24.00		-3.10			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	36	5180			10.70	11.00		-0.19			Pass
11a	6Mbps	2	44	5220			10.29	11.00		-0.19			Pass
11a	6Mbps	2	48	5240			10.42	11.00		-0.19			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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	52	5260	16.38	16.38	20.55	20.25	23.14		29.14		23.98		
11a	6Mbps	2	60	5300	16.43	16.38	20.80	20.30	23.14		29.14		23.98		
11a	6Mbps	2	64	5320	16.38	16.38	20.60	19.70	23.14		29.14		23.94		

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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260	18.50	18.50	21.51	23.98		-0.80		30	Pass
11a	6Mbps	2	60	5300	18.80	18.50	21.66	23.98		-0.80		30	Pass
11a	6Mbps	2	64	5320	18.40	18.20	21.31	23.94		-0.80		30	Pass
HT20	MCS0	2	52	5260	18.50	18.60	21.56	23.98		-0.80		30	Pass
HT20	MCS0	2	60	5300	18.60	18.20	21.41	23.98		-0.80		30	Pass
HT20	MCS0	2	64	5320	17.30	17.00	20.16	23.98		-0.80		30	Pass
HT40	MCS0	2	54	5270	17.40	17.40	20.41	23.98		-0.80		30	Pass
HT40	MCS0	2	62	5310	16.30	15.70	19.02	23.98		-0.80		30	Pass
VHT20	MCS0	2	52	5260	18.60	18.70	21.66	23.98		-0.80		30	Pass
VHT20	MCS0	2	60	5300	18.70	18.30	21.51	23.98		-0.80		30	Pass
VHT20	MCS0	2	64	5320	17.40	17.10	20.26	23.98		-0.80		30	Pass
VHT40	MCS0	2	54	5270	17.50	17.50	20.51	23.98		-0.80		30	Pass
VHT40	MCS0	2	62	5310	16.40	15.80	19.12	23.98		-0.80		30	Pass
VHT80	MCS0	2	58	5290	14.60	14.30	17.46	23.98		-0.80		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260			10.45	11.00		1.18			Pass
11a	6Mbps	2	60	5300			10.09	11.00		1.18			Pass
11a	6Mbps	2	64	5320			10.27	11.00		1.18			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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
11a	6Mbps	2	100	5500	16.33	16.38	19.95	19.60	23.13		29.13		23.92		----	----
11a	6Mbps	2	116	5580	16.33	16.43	20.05	20.60	23.13		29.13		23.98		----	----
11a	6Mbps	2	140	5700	16.33	16.48	20.00	21.00	23.13		29.13		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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
11a	6Mbps	2	144	5720	13.19	13.24	15.35	15.70	22.20		28.20		22.86		2.55	2.6

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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	100	5500	17.90	19.00	21.50	23.92		0.90		30	Pass
11a	6Mbps	2	116	5580	18.40	18.90	21.67	23.98		0.90		30	Pass
11a	6Mbps	2	140	5700	18.50	19.00	21.77	23.98		0.90		30	Pass
HT20	MCS0	2	100	5500	17.00	18.20	20.65	23.98		0.90		30	Pass
HT20	MCS0	2	116	5580	18.00	18.60	21.32	23.98		0.90		30	Pass
HT20	MCS0	2	140	5700	16.50	17.00	19.77	23.98		0.90		30	Pass
HT40	MCS0	2	102	5510	15.10	16.30	18.75	23.98		0.90		30	Pass
HT40	MCS0	2	110	5550	16.70	17.80	20.30	23.98		0.90		30	Pass
HT40	MCS0	2	134	5670	17.30	17.80	20.57	23.98		0.90		30	Pass
VHT20	MCS0	2	100	5500	17.10	18.30	20.75	23.98		0.90		30	Pass
VHT20	MCS0	2	116	5580	18.10	18.70	21.42	23.98		0.90		30	Pass
VHT20	MCS0	2	140	5700	16.60	17.10	19.87	23.98		0.90		30	Pass
VHT40	MCS0	2	102	5510	15.20	16.40	18.85	23.98		0.90		30	Pass
VHT40	MCS0	2	110	5550	16.80	17.90	20.40	23.98		0.90		30	Pass
VHT40	MCS0	2	134	5670	17.40	17.90	20.67	23.98		0.90		30	Pass
VHT80	MCS0	2	106	5530	13.60	14.40	17.03	23.98		0.90		30	Pass
VHT80	MCS0	2	122	5610	16.50	16.90	19.71	23.98		0.90		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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	144	5720	18.60	19.00	21.81	22.86		0.90		30	Pass
HT20	MCS0	2	144	5720	18.30	18.60	21.46	23.98		0.90		30	Pass
HT40	MCS0	2	142	5710	17.20	17.70	20.47	23.98		0.90		30	Pass
VHT20	MCS0	2	144	5720	18.40	18.70	21.56	23.98		0.90		30	Pass
VHT40	MCS0	2	142	5710	17.30	17.80	20.57	23.98		0.90		30	Pass
VHT80	MCS0	2	138	5690	16.60	16.90	19.76	23.98		0.90		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	100	5500			9.21	11.00		2.97			Pass
11a	6Mbps	2	116	5580			10.31	11.00		2.97			Pass
11a	6Mbps	2	140	5700			10.47	11.00		2.97			Pass

U-NII-2C straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	144	5720			10.00	11.00		2.97			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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	36	5180	Full	18.88	18.93	21.00	21.05	-		22.76			
HE20	MCS0	2	44	5220	Full	18.93	18.93	22.70	21.20	-		22.77			
HE20	MCS0	2	48	5240	Full	18.98	18.93	22.15	21.05	-		22.77			
HE40	MCS0	2	38	5190	Full	37.76	37.76	39.96	40.23	-		23.01			
HE40	MCS0	2	46	5230	Full	37.86	37.76	40.14	39.87	-		23.01			
HE80	MCS0	2	42	5210	Full	76.84	76.84	81.92	82.24	-		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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	36	5180	Full	17.50	17.50	20.51	24.00		-3.10			Pass
HE20	MCS0	2	36	5180	26/0	7.80	8.40	11.12	24.00		-3.10			Pass
HE20	MCS0	2	36	5180	52/37	10.70	11.20	13.97	24.00		-3.10			Pass
HE20	MCS0	2	36	5180	106/53	13.70	14.30	17.02	24.00		-3.10			Pass
HE20	MCS0	2	44	5220	Full	18.80	19.00	21.91	24.00		-3.10			Pass
HE20	MCS0	2	44	5220	26/4	10.20	10.80	13.52	24.00		-3.10			Pass
HE20	MCS0	2	44	5220	52/38	12.40	12.80	15.61	24.00		-3.10			Pass
HE20	MCS0	2	44	5220	106/53	15.70	16.10	18.91	24.00		-3.10			Pass
HE20	MCS0	2	48	5240	Full	18.70	18.70	21.71	24.00		-3.10			Pass
HE20	MCS0	2	48	5240	26/8	9.30	9.30	12.31	24.00		-3.10			Pass
HE20	MCS0	2	48	5240	52/40	12.20	12.20	15.21	24.00		-3.10			Pass
HE20	MCS0	2	48	5240	106/54	15.20	15.40	18.31	24.00		-3.10			Pass
HE40	MCS0	2	38	5190	Full	16.60	16.40	19.51	24.00		-3.10			Pass
HE40	MCS0	2	46	5230	Full	17.80	17.60	20.71	24.00		-3.10			Pass
HE80	MCS0	2	42	5210	Full	17.00	16.90	19.96	24.00		-3.10			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
HE20	MCS0	2	36	5180	Full			9.16	11.00		-0.19		Pass
HE20	MCS0	2	36	5180	26/0			8.75	11.00		-0.19		Pass
HE20	MCS0	2	36	5180	52/37			8.75	11.00		-0.19		Pass
HE20	MCS0	2	36	5180	106/53			8.67	11.00		-0.19		Pass
HE20	MCS0	2	44	5220	Full			10.23	11.00		-0.19		Pass
HE20	MCS0	2	44	5220	26/4			9.81	11.00		-0.19		Pass
HE20	MCS0	2	44	5220	52/38			9.80	11.00		-0.19		Pass
HE20	MCS0	2	44	5220	106/53			9.94	11.00		-0.19		Pass
HE20	MCS0	2	48	5240	Full			10.39	11.00		-0.19		Pass
HE20	MCS0	2	48	5240	26/8			10.22	11.00		-0.19		Pass
HE20	MCS0	2	48	5240	52/40			10.04	11.00		-0.19		Pass
HE20	MCS0	2	48	5240	106/54			10.10	11.00		-0.19		Pass
HE40	MCS0	2	38	5190	Full			5.52	11.00		-0.19		Pass
HE40	MCS0	2	46	5230	Full			6.76	11.00		-0.19		Pass
HE80	MCS0	2	42	5210	Full			3.56	11.00		-0.19		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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	
HE20	MCS0	2	52	5260	Full	18.98	18.93	22.25	21.75	23.77		29.77		23.98		
HE20	MCS0	2	60	5300	Full	18.93	18.88	23.40	21.15	23.76		29.76		23.98		
HE20	MCS0	2	64	5320	Full	18.88	18.93	21.10	21.10	23.76		29.76		23.98		
HE40	MCS0	2	54	5270	Full	37.76	37.76	39.78	39.78	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.76	37.76	39.96	39.87	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.60	76.84	81.28	81.76	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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	52	5260	Full	18.70	18.80	21.76	23.98		-0.80		30	Pass
HE20	MCS0	2	52	5260	26/0	9.30	9.50	12.41	23.98		-0.80		30	Pass
HE20	MCS0	2	52	5260	52/37	12.20	12.40	15.31	23.98		-0.80		30	Pass
HE20	MCS0	2	52	5260	106/53	15.40	15.40	18.41	23.98		-0.80		30	Pass
HE20	MCS0	2	60	5300	Full	18.80	18.40	21.61	23.98		-0.80		30	Pass
HE20	MCS0	2	60	5300	26/4	10.10	10.10	13.11	23.98		-0.80		30	Pass
HE20	MCS0	2	60	5300	52/38	12.10	12.10	15.11	23.98		-0.80		30	Pass
HE20	MCS0	2	60	5300	106/53	15.50	15.50	18.51	23.98		-0.80		30	Pass
HE20	MCS0	2	64	5320	Full	17.50	17.20	20.36	23.98		-0.80		30	Pass
HE20	MCS0	2	64	5320	26/8	8.10	7.90	11.01	23.98		-0.80		30	Pass
HE20	MCS0	2	64	5320	52/40	11.10	11.00	14.06	23.98		-0.80		30	Pass
HE20	MCS0	2	64	5320	106/54	14.00	14.20	17.11	23.98		-0.80		30	Pass
HE40	MCS0	2	54	5270	Full	17.60	17.60	20.61	23.98		-0.80		30	Pass
HE40	MCS0	2	62	5310	Full	16.50	15.90	19.22	23.98		-0.80		30	Pass
HE80	MCS0	2	58	5290	Full	14.70	14.10	17.42	23.98		-0.80		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
HE20	MCS0	2	52	5260	Full			10.41	11.00		1.18		Pass
HE20	MCS0	2	52	5260	26/0			10.21	11.00		1.18		Pass
HE20	MCS0	2	52	5260	52/37			10.11	11.00		1.18		Pass
HE20	MCS0	2	52	5260	106/53			9.91	11.00		1.18		Pass
HE20	MCS0	2	60	5300	Full			9.61	11.00		1.18		Pass
HE20	MCS0	2	60	5300	26/4			9.41	11.00		1.18		Pass
HE20	MCS0	2	60	5300	52/38			9.56	11.00		1.18		Pass
HE20	MCS0	2	60	5300	106/53			9.55	11.00		1.18		Pass
HE20	MCS0	2	64	5320	Full			9.33	11.00		1.18		Pass
HE20	MCS0	2	64	5320	26/8			9.00	11.00		1.18		Pass
HE20	MCS0	2	64	5320	52/40			8.93	11.00		1.18		Pass
HE20	MCS0	2	64	5320	106/54			9.04	11.00		1.18		Pass
HE40	MCS0	2	54	5270	Full			6.11	11.00		1.18		Pass
HE40	MCS0	2	62	5310	Full			5.52	11.00		1.18		Pass
HE80	MCS0	2	58	5290	Full			1.42	11.00		1.18		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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
HE20	MCS0	2	100	5500	Full	18.88	18.88	21.50	21.10	23.76		29.76		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.93	18.93	21.60	24.30	23.77		29.77		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.88	18.88	21.05	21.45	23.76		29.76		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.76	37.76	40.05	39.96	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.76	37.86	39.96	40.05	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.76	37.76	39.87	39.78	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	76.72	76.48	82.08	81.60	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	76.84	76.60	81.92	81.92	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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
HE20	MCS0	2	144	5720	Full	14.44	14.49	15.95	16.55	22.60		28.60		23.03		4.097	4.4
HE40	MCS0	2	142	5710	Full	33.98	33.98	35.07	35.25	23.98		30.00		23.98		3.09	3.09
HE80	MCS0	2	138	5690	Full	73.36	73.48	75.96	75.96	23.98		30.00		23.98		0.2	0.2

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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	100	5500	Full	17.20	18.40	20.85	23.98		0.90		30	Pass
HE20	MCS0	2	100	5500	26/0	7.90	8.40	11.17	23.98		0.90		30	Pass
HE20	MCS0	2	100	5500	52/37	10.40	11.30	13.88	23.98		0.90		30	Pass
HE20	MCS0	2	100	5500	106/53	13.40	14.30	16.88	23.98		0.90		30	Pass
HE20	MCS0	2	116	5580	Full	18.20	18.80	21.52	23.98		0.90		30	Pass
HE20	MCS0	2	116	5580	26/4	10.40	10.40	13.41	23.98		0.90		30	Pass
HE20	MCS0	2	116	5580	52/38	12.30	12.30	15.31	23.98		0.90		30	Pass
HE20	MCS0	2	116	5580	106/53	15.20	15.20	18.21	23.98		0.90		30	Pass
HE20	MCS0	2	140	5700	Full	16.70	17.20	19.97	23.98		0.90		30	Pass
HE20	MCS0	2	140	5700	26/8	7.60	7.70	10.66	23.98		0.90		30	Pass
HE20	MCS0	2	140	5700	52/40	10.50	10.70	13.61	23.98		0.90		30	Pass
HE20	MCS0	2	140	5700	106/54	13.90	14.10	17.01	23.98		0.90		30	Pass
HE40	MCS0	2	102	5510	Full	15.30	16.50	18.95	23.98		0.90		30	Pass
HE40	MCS0	2	110	5550	Full	16.90	18.00	20.50	23.98		0.90		30	Pass
HE40	MCS0	2	134	5670	Full	17.50	18.00	20.77	23.98		0.90		30	Pass
HE80	MCS0	2	106	5530	Full	13.70	14.50	17.13	23.98		0.90		30	Pass
HE80	MCS0	2	122	5610	Full	16.60	17.00	19.81	23.98		0.90		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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	144	5720	Full	18.50	18.80	21.66	23.03		0.90		30	Pass
HE20	MCS0	2	144	5720	26/8	8.90	9.20	12.06	23.03		0.90		30	Pass
HE20	MCS0	2	144	5720	52/40	11.70	12.00	14.86	23.03		0.90		30	Pass
HE20	MCS0	2	144	5720	106/54	14.70	14.90	17.81	23.03		0.90		30	Pass
HE40	MCS0	2	142	5710	Full	17.40	17.90	20.67	23.98		0.90		30	Pass
HE80	MCS0	2	138	5690	Full	16.70	17.00	19.86	23.98		0.90		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	100	5500	Full			8.77	11.00		2.97			Pass
HE20	MCS0	2	100	5500	26/0			8.67	11.00		2.97			Pass
HE20	MCS0	2	100	5500	52/37			8.57	11.00		2.97			Pass
HE20	MCS0	2	100	5500	106/53			8.48	11.00		2.97			Pass
HE20	MCS0	2	116	5580	Full			9.84	11.00		2.97			Pass
HE20	MCS0	2	116	5580	26/4			9.74	11.00		2.97			Pass
HE20	MCS0	2	116	5580	52/38			9.73	11.00		2.97			Pass
HE20	MCS0	2	116	5580	106/53			9.35	11.00		2.97			Pass
HE20	MCS0	2	140	5700	Full			8.70	11.00		2.97			Pass
HE20	MCS0	2	140	5700	26/8			8.19	11.00		2.97			Pass
HE20	MCS0	2	140	5700	52/40			8.29	11.00		2.97			Pass
HE20	MCS0	2	140	5700	106/54			8.61	11.00		2.97			Pass
HE40	MCS0	2	102	5510	Full			5.19	11.00		2.97			Pass
HE40	MCS0	2	110	5550	Full			6.07	11.00		2.97			Pass
HE40	MCS0	2	134	5670	Full			6.42	11.00		2.97			Pass
HE80	MCS0	2	106	5530	Full			0.91	11.00		2.97			Pass
HE80	MCS0	2	122	5610	Full			3.08	11.00		2.97			Pass

U-NII-2C straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	144	5720	Full			9.53	11.00		2.97			Pass
HE20	MCS0	2	144	5720	26/8			9.35	11.00		2.97			Pass
HE20	MCS0	2	144	5720	52/40			9.08	11.00		2.97			Pass
HE20	MCS0	2	144	5720	106/54			9.10	11.00		2.97			Pass
HE40	MCS0	2	142	5710	Full			5.97	11.00		2.97			Pass
HE80	MCS0	2	138	5690	Full			3.08	11.00		2.97			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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	149	5745	16.33	16.33	19.75	19.45	14.00	15.75	0.5	Pass
11a	6Mbps	2	157	5785	16.33	16.38	20.05	19.90	14.55	14.55	0.5	Pass
11a	6Mbps	2	165	5825	16.33	16.33	19.70	20.30	15.20	15.15	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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	149	5745	18.30	18.60	21.46	30.00		0.40		Pass
11a	6Mbps	2	157	5785	18.30	18.70	21.51	30.00		0.40		Pass
11a	6Mbps	2	165	5825	18.30	18.90	21.62	30.00		0.40		Pass
HT20	MCS0	2	149	5745	17.90	18.30	21.11	30.00		0.40		Pass
HT20	MCS0	2	157	5785	17.90	18.40	21.17	30.00		0.40		Pass
HT20	MCS0	2	165	5825	18.00	18.60	21.32	30.00		0.40		Pass
HT40	MCS0	2	151	5755	17.30	17.80	20.57	30.00		0.40		Pass
HT40	MCS0	2	159	5795	17.40	17.70	20.56	30.00		0.40		Pass
VHT20	MCS0	2	149	5745	18.30	18.40	21.36	30.00		0.40		Pass
VHT20	MCS0	2	157	5785	18.30	18.50	21.41	30.00		0.40		Pass
VHT20	MCS0	2	165	5825	18.40	18.70	21.56	30.00		0.40		Pass
VHT40	MCS0	2	151	5755	17.40	17.90	20.67	30.00		0.40		Pass
VHT40	MCS0	2	159	5795	17.50	17.80	20.66	30.00		0.40		Pass
VHT80	MCS0	2	155	5775	16.80	16.90	19.86	30.00		0.40		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	149	5745	2.22		4.13	4.60	7.61	30.00		2.88		Pass
11a	6Mbps	2	157	5785	2.22		4.41	4.94	7.95	30.00		2.88		Pass
11a	6Mbps	2	165	5825	2.22		4.26	5.09	8.10	30.00		2.88		Pass

Note: PSD Sum = Max PSD(Ant. 4, Ant. 3) + 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 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	149	5745	Full	18.88	18.88	21.25	21.20	13.65	15.50	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.88	18.98	22.35	22.25	17.50	18.90	0.5	Pass
HE20	MCS0	2	165	5825	Full	18.88	18.98	21.65	22.30	18.30	17.45	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.76	37.86	40.14	39.96	34.11	35.28	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.76	37.76	39.96	39.96	35.28	35.19	0.5	Pass
HE80	MCS0	2	155	5775	Full	76.72	76.96	81.44	81.76	71.52	71.68	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 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
HE20	MCS0	2	149	5745	Full	18.10	18.50	21.31	30.00		0.40		Pass
HE20	MCS0	2	149	5745	26/0	8.60	8.10	11.37	30.00		0.40		Pass
HE20	MCS0	2	149	5745	52/37	11.80	11.60	14.71	30.00		0.40		Pass
HE20	MCS0	2	149	5745	106/53	14.40	14.10	17.26	30.00		0.40		Pass
HE20	MCS0	2	157	5785	Full	18.10	18.60	21.37	30.00		0.40		Pass
HE20	MCS0	2	157	5785	26/4	8.30	8.40	11.36	30.00		0.40		Pass
HE20	MCS0	2	157	5785	52/38	11.30	11.50	14.41	30.00		0.40		Pass
HE20	MCS0	2	157	5785	106/53	14.30	14.40	17.36	30.00		0.40		Pass
HE20	MCS0	2	165	5825	Full	18.20	18.80	21.52	30.00		0.40		Pass
HE20	MCS0	2	165	5825	26/8	8.70	8.70	11.71	30.00		0.40		Pass
HE20	MCS0	2	165	5825	52/40	11.40	11.70	14.56	30.00		0.40		Pass
HE20	MCS0	2	165	5825	106/54	14.60	14.90	17.76	30.00		0.40		Pass
HE40	MCS0	2	151	5755	Full	17.50	18.00	20.77	30.00		0.40		Pass
HE40	MCS0	2	159	5795	Full	17.60	17.90	20.76	30.00		0.40		Pass
HE80	MCS0	2	155	5775	Full	16.90	17.00	19.96	30.00		0.40		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
HE20	MCS0	2	149	5745	Full	2.22		3.52	3.88	6.89	30.00		2.88		Pass
HE20	MCS0	2	149	5745	26/0	2.22		3.41	3.10	6.42	30.00		2.88		Pass
HE20	MCS0	2	149	5745	52/37	2.22		3.50	3.47	6.51	30.00		2.88		Pass
HE20	MCS0	2	149	5745	106/53	2.22		3.39	3.08	6.40	30.00		2.88		Pass
HE20	MCS0	2	157	5785	Full	2.22		3.83	4.22	7.23	30.00		2.88		Pass
HE20	MCS0	2	157	5785	26/4	2.22		3.40	3.88	6.89	30.00		2.88		Pass
HE20	MCS0	2	157	5785	52/38	2.22		3.77	3.94	6.95	30.00		2.88		Pass
HE20	MCS0	2	157	5785	106/53	2.22		3.69	3.88	6.89	30.00		2.88		Pass
HE20	MCS0	2	165	5825	Full	2.22		3.67	4.35	7.36	30.00		2.88		Pass
HE20	MCS0	2	165	5825	26/8	2.22		3.98	4.15	7.16	30.00		2.88		Pass
HE20	MCS0	2	165	5825	52/40	2.22		3.88	4.04	7.05	30.00		2.88		Pass
HE20	MCS0	2	165	5825	106/54	2.22		3.84	4.03	7.04	30.00		2.88		Pass
HE40	MCS0	2	151	5755	Full	2.22		0.26	0.76	3.77	30.00		2.88		Pass
HE40	MCS0	2	159	5795	Full	2.22		0.01	0.52	3.53	30.00		2.88		Pass
HE80	MCS0	2	155	5775	Full	2.22		-2.83	-2.73	0.28	30.00		2.88		Pass

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

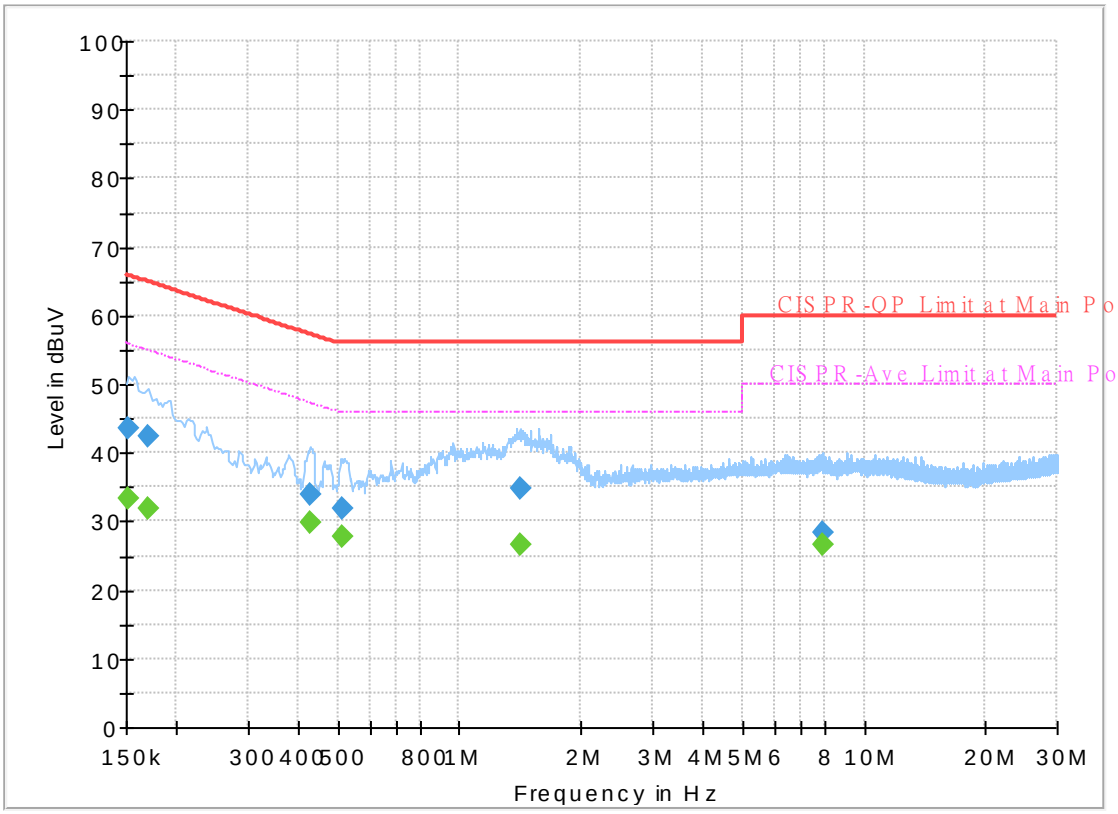
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	241215-02
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



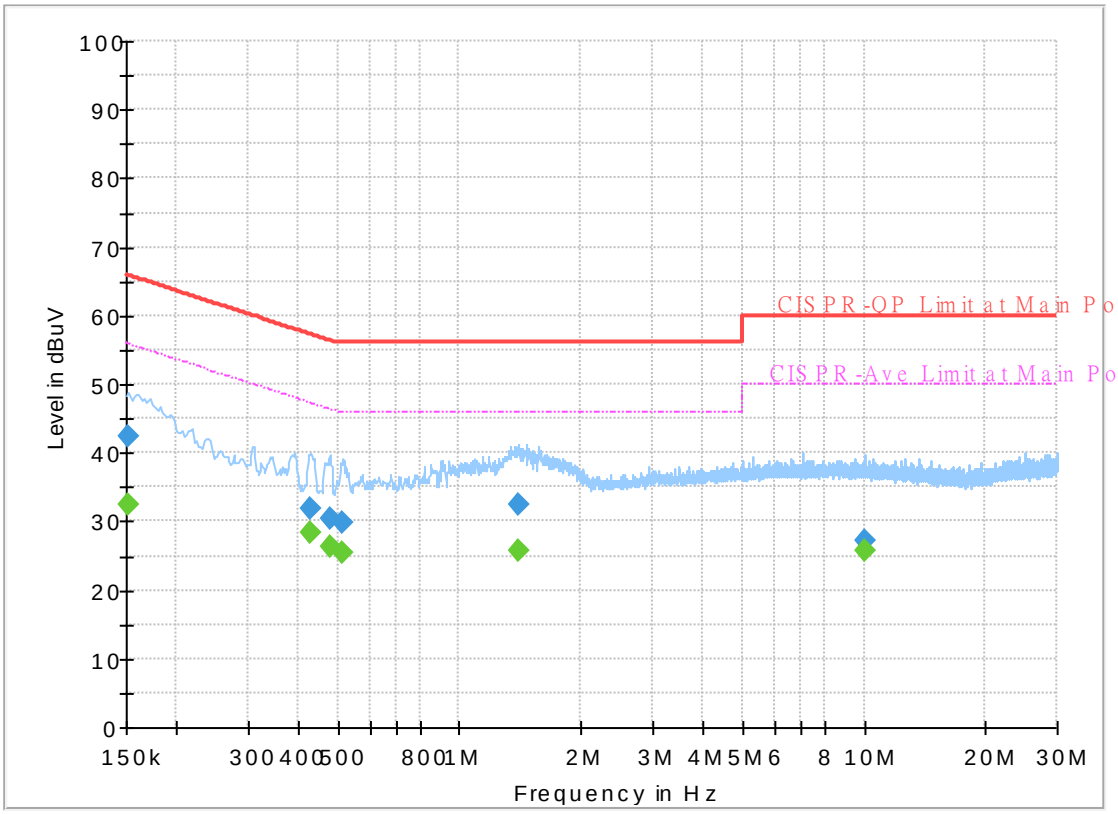
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	33.38	55.88	22.50	L1	OFF	19.8
0.152250	43.43	---	65.88	22.45	L1	OFF	19.8
0.170250	---	31.85	54.95	23.10	L1	OFF	19.8
0.170250	42.52	---	64.95	22.43	L1	OFF	19.8
0.426750	---	29.80	47.32	17.52	L1	OFF	19.8
0.426750	33.79	---	57.32	23.53	L1	OFF	19.8
0.512250	---	27.72	46.00	18.28	L1	OFF	19.8
0.512250	31.82	---	56.00	24.18	L1	OFF	19.8
1.407750	---	26.52	46.00	19.48	L1	OFF	19.9
1.407750	34.65	---	56.00	21.35	L1	OFF	19.9
7.950750	---	26.48	50.00	23.52	L1	OFF	20.1
7.950750	28.39	---	60.00	31.61	L1	OFF	20.1

EUT Information

Report NO :	241215-02
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	---	32.49	55.88	23.39	N	OFF	19.8
0.152250	42.36	---	65.88	23.52	N	OFF	19.8
0.429000	---	28.31	47.27	18.96	N	OFF	19.8
0.429000	31.91	---	57.27	25.36	N	OFF	19.8
0.478500	---	26.34	46.37	20.03	N	OFF	19.8
0.478500	30.29	---	56.37	26.08	N	OFF	19.8
0.514500	---	25.39	46.00	20.61	N	OFF	19.8
0.514500	29.81	---	56.00	26.19	N	OFF	19.8
1.403250	---	25.62	46.00	20.38	N	OFF	19.9
1.403250	32.37	---	56.00	23.63	N	OFF	19.9
10.014000	---	25.77	50.00	24.23	N	OFF	20.2
10.014000	27.27	---	60.00	32.73	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Li, Bigshow Wang and Quentin Liu	Temperature :	21.1~23.1°C
		Relative Humidity :	49~58%

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.
4+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5146.38	62.8	-11.2	74	57.23	33.2	9.1	36.73	100	52	P	H
		5150	52.27	-1.73	54	46.7	33.2	9.1	36.73	100	52	A	H
	*	5180	111.56	-	-	105.99	33.14	9.16	36.73	100	52	P	H
	*	5180	104.96	-	-	99.39	33.14	9.16	36.73	100	52	A	H
													H
													H
		5149.5	59.46	-14.54	74	53.89	33.2	9.1	36.73	351	255	P	V
		5150.02	50.12	-3.88	54	44.55	33.2	9.1	36.73	351	255	A	V
	*	5180	108.55	-	-	102.98	33.14	9.16	36.73	351	255	P	V
	*	5180	102.09	-	-	96.52	33.14	9.16	36.73	351	255	A	V
													V
													V
802.11a CH 44 5220MHz		5150	48.45	-25.55	74	42.88	33.2	9.1	36.73	236	340	P	H
		5150	37.52	-16.48	54	31.95	33.2	9.1	36.73	236	340	A	H
	*	5220	108.02	-	-	102.51	33.02	9.22	36.73	236	340	P	H
	*	5220	100.45	-	-	94.94	33.02	9.22	36.73	236	340	A	H
		5357.8	48.37	-25.63	74	42.79	32.92	9.38	36.72	236	340	P	H
		5374.6	36.73	-17.27	54	31.1	32.95	9.4	36.72	236	340	A	H
		5144.04	47.85	-26.15	74	42.29	33.2	9.09	36.73	251	354	P	V
		5144.82	36.95	-17.05	54	31.39	33.2	9.09	36.73	251	354	A	V
	*	5220	103.64	-	-	98.13	33.02	9.22	36.73	251	354	P	V
	*	5220	96.87	-	-	91.36	33.02	9.22	36.73	251	354	A	V
		5360.32	47.36	-26.64	74	41.78	32.92	9.38	36.72	251	354	P	V
		5412.68	36.6	-17.4	54	30.88	33	9.44	36.72	251	354	A	V

802.11a CH 48 5240MHz		5148.98	47.82	-26.18	74	42.25	33.2	9.1	36.73	246	301	P	H
		5150.02	37.39	-112.61	150	31.82	33.2	9.1	36.73	246	301	A	H
	*	5240	111.25	-	-	105.79	32.94	9.25	36.73	246	301	P	H
	*	5240	104.22	-	-	98.76	32.94	9.25	36.73	246	301	A	H
		5365.92	47.61	-26.39	74	42.01	32.93	9.39	36.72	246	301	P	H
		5351.92	37.53	-16.47	54	31.98	32.9	9.37	36.72	246	301	A	H
		5124.54	47.61	-26.39	74	42.09	33.2	9.05	36.73	288	333	P	V
		5150.02	36.73	-113.27	150	31.16	33.2	9.1	36.73	288	333	A	V
	*	5240	106.28	-	-	100.82	32.94	9.25	36.73	288	333	P	V
	*	5240	99.69	-	-	94.23	32.94	9.25	36.73	288	333	A	V
		5372.92	46.79	-27.21	74	41.16	32.95	9.4	36.72	288	333	P	V
		5353.32	36.74	-17.26	54	31.17	32.91	9.38	36.72	288	333	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. 4+3	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 36 5180MHz		10360	46.19	-22.01	68.2	53.43	38.74	12.88	58.86	-	-	P	H
		15540	47.77	-26.23	74	52.02	38.06	15.57	57.88	-	-	P	H
		15540	37.93	-16.07	54	42.18	38.06	15.57	57.88	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	47.49	-20.71	68.2	54.53	38.74	12.88	58.66	-	-	P	V
		15540	48.37	-25.63	74	52.46	38.06	15.57	57.72	-	-	P	V
		15540	39.36	-14.64	54	43.45	38.06	15.57	57.72	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.68	-21.52	68.2	53.82	38.74	12.93	58.81	-	-	P	H
		15660	46.13	-27.87	74	50.72	37.76	15.61	57.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	47.32	-20.88	68.2	54.27	38.74	12.93	58.62	-	-	P	V
		15660	47.17	-26.83	74	51.6	37.76	15.61	57.8	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	47.69	-20.51	68.2	54.75	38.78	12.95	58.79	-	-	P	H
		15720	46.92	-27.08	74	51.64	37.64	15.64	58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 48 5240MHz													H
		10480	48.39	-19.81	68.2	55.27	38.78	12.95	58.61	-	-	P	V
		15720	47.28	-26.72	74	51.83	37.64	15.64	57.83	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 4+3	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)
		5149.4	62.68	-11.32	74	57.11	33.2	9.1	36.73	285	298	P	H
		5150	50.27	-3.73	54	44.7	33.2	9.1	36.73	285	298	A	H
	*	5180	111.4	-	-	105.83	33.14	9.16	36.73	285	298	P	H
	*	5180	103.39	-	-	97.82	33.14	9.16	36.73	285	298	A	H
802.11ax													H
HE20 Full													H
CH 36		5150	62.6	-11.4	74	57.03	33.2	9.1	36.73	100	276	P	V
5180MHz		5150	51.42	-2.58	54	45.85	33.2	9.1	36.73	100	276	A	V
	*	5180	111.19	-	-	105.62	33.14	9.16	36.73	100	276	P	V
	*	5180	104.02	-	-	98.45	33.14	9.16	36.73	100	276	A	V
													V
													V
		5126.04	48.43	-25.57	74	42.9	33.2	9.06	36.73	262	302	P	H
		5149.73	38.49	-15.51	54	32.92	33.2	9.1	36.73	262	302	A	H
	*	5220	111.88	-	-	106.37	33.02	9.22	36.73	262	302	P	H
	*	5220	104.45	-	-	98.94	33.02	9.22	36.73	262	302	A	H
802.11ax		5408	47.18	-26.82	74	41.47	33	9.43	36.72	262	302	P	H
HE20 Full		5372.75	37.38	-16.62	54	31.75	32.95	9.4	36.72	262	302	A	H
CH 44		5107.64	49.75	-24.25	74	44.26	33.2	9.02	36.73	100	274	P	V
5220MHz		5149.96	39.29	-14.71	54	33.72	33.2	9.1	36.73	100	274	A	V
	*	5220	112.03	-	-	106.52	33.02	9.22	36.73	100	274	P	V
	*	5220	105.19	-	-	99.68	33.02	9.22	36.73	100	274	A	V
		5376	47.41	-26.59	74	41.78	32.95	9.4	36.72	100	274	P	V
		5373	37.29	-16.71	54	31.66	32.95	9.4	36.72	100	274	A	V

		5115.25	47.91	-26.09	74	42.41	33.2	9.03	36.73	261	303	P	H
		5149.75	37.78	-16.22	54	32.21	33.2	9.1	36.73	261	303	A	H
	*	5240	113.68	-	-	108.22	32.94	9.25	36.73	261	303	P	H
	*	5240	105.5	-	-	100.04	32.94	9.25	36.73	261	303	A	H
802.11ax		5369.15	48.3	-25.7	74	42.69	32.94	9.39	36.72	261	303	P	H
HE20 Full		5353.51	37.74	-16.26	54	32.17	32.91	9.38	36.72	261	303	A	H
CH 48		5118.75	47.97	-26.03	74	42.46	33.2	9.04	36.73	100	275	P	V
5240MHz		5150	38.29	-15.71	54	32.72	33.2	9.1	36.73	100	275	A	V
	*	5240	113.66	-	-	108.2	32.94	9.25	36.73	100	275	P	V
	*	5240	105.55	-	-	100.09	32.94	9.25	36.73	100	275	A	V
		5392.38	48.4	-25.6	74	42.72	32.98	9.42	36.72	100	275	P	V
		5353.97	37.69	-16.31	54	32.12	32.91	9.38	36.72	100	275	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. 4+3	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	45.88	-22.32	68.2	53.12	38.74	12.88	58.86	-	-	P	H
		15540	46.02	-27.98	74	50.27	38.06	15.57	57.88	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	46.48	-21.72	68.2	53.52	38.74	12.88	58.66	-	-	P	V
5180MHz		15540	47.91	-26.09	74	52	38.06	15.57	57.72	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.79	-21.41	68.2	53.93	38.74	12.93	58.81	-	-	P	H
		15660	45.6	-28.4	74	50.19	37.76	15.61	57.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	47	-21.2	68.2	53.95	38.74	12.93	58.62	-	-	P	V
5220MHz		15660	45.88	-28.12	74	50.31	37.76	15.61	57.8	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	47.06	-21.14	68.2	54.12	38.78	12.95	58.79	-	-	P	H
		15720	47.19	-26.81	74	51.91	37.64	15.64	58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	47.66	-20.54	68.2	54.54	38.78	12.95	58.61	-	-	P	V
5240MHz		15720	47.01	-26.99	74	51.56	37.64	15.64	57.83	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 4+3	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)
		5149.94	61.3	-12.7	74	55.73	33.2	9.1	36.73	251	302	P	H
		5149.94	52.02	-1.98	54	46.45	33.2	9.1	36.73	251	302	A	H
	*	5190	106.77	-	-	101.2	33.12	9.18	36.73	251	302	P	H
	*	5190	99.48	-	-	93.91	33.12	9.18	36.73	251	302	A	H
802.11ax		5392.14	47.31	-26.69	74	41.63	32.98	9.42	36.72	251	302	P	H
HE40 Full		5350.96	37.75	-16.25	54	32.2	32.9	9.37	36.72	251	302	A	H
CH 38		5142.8	62.38	-11.62	74	56.82	33.2	9.09	36.73	100	277	P	V
5190MHz		5143.85	51.9	-2.1	54	46.34	33.2	9.09	36.73	100	277	A	V
	*	5190	106.74	-	-	101.17	33.12	9.18	36.73	100	277	P	V
	*	5190	100.46	-	-	94.89	33.12	9.18	36.73	100	277	A	V
		5364.59	47.27	-26.73	74	41.67	32.93	9.39	36.72	100	277	P	V
		5352.41	37.55	-16.45	54	31.99	32.9	9.38	36.72	100	277	A	V
		5149.76	53.77	-20.23	74	48.2	33.2	9.1	36.73	300	296	P	H
		5150	45.2	-8.8	54	39.63	33.2	9.1	36.73	300	296	A	H
	*	5230	108.48	-	-	103	32.98	9.23	36.73	300	296	P	H
	*	5230	101.29	-	-	95.81	32.98	9.23	36.73	300	296	A	H
802.11ax		5358.64	50.39	-23.61	74	44.81	32.92	9.38	36.72	300	296	P	H
HE40 Full		5350.24	40.73	-13.27	54	35.18	32.9	9.37	36.72	300	296	A	H
CH 46		5148.2	54.45	-19.55	74	48.88	33.2	9.1	36.73	253	265	P	V
5230MHz		5150	45.57	-8.43	54	40	33.2	9.1	36.73	253	265	A	V
	*	5230	109.14	-	-	103.66	32.98	9.23	36.73	253	265	P	V
	*	5230	101.9	-	-	96.42	32.98	9.23	36.73	253	265	A	V
		5372.36	49.61	-24.39	74	43.99	32.94	9.4	36.72	253	265	P	V
		5350.24	40.34	-13.66	54	34.79	32.9	9.37	36.72	253	265	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. 4+3	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	46.78	-21.42	68.2	54.02	38.72	12.89	58.85	-	-	P	H
		15570	47.91	-26.09	74	52.2	38.03	15.58	57.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	46.8	-21.4	68.2	53.84	38.72	12.89	58.65	-	-	P	V
5190MHz		15570	47.63	-26.37	74	51.76	38.03	15.58	57.74	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.94	-21.26	68.2	54.04	38.76	12.94	58.8	-	-	P	H
		15690	46.42	-27.58	74	51.14	37.64	15.62	57.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	47.74	-20.46	68.2	54.66	38.76	12.94	58.62	-	-	P	V
5230MHz		15690	47.02	-26.98	74	51.57	37.64	15.62	57.81	-	-	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 HE80 Full (Band Edge @ 3m)

WIFI Ant. 4+3	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)
		5150	59.34	-14.66	74	53.77	33.2	9.1	36.73	300	258	P	H
		5150	48.64	-5.36	54	43.07	33.2	9.1	36.73	300	258	A	H
	*	5210	98.84	-	-	93.3	33.06	9.21	36.73	300	258	P	H
	*	5210	91.99	-	-	86.45	33.06	9.21	36.73	300	258	A	H
802.11ax		5357.8	47.98	-26.02	74	42.4	32.92	9.38	36.72	300	258	P	H
HE80 Full		5350	38.85	-15.15	54	33.3	32.9	9.37	36.72	300	258	A	H
CH 42		5141.96	56.22	-17.78	74	50.66	33.2	9.09	36.73	100	86	P	V
5210MHz		5150	48.67	-5.33	54	43.1	33.2	9.1	36.73	100	86	A	V
	*	5210	98.97	-	-	93.43	33.06	9.21	36.73	100	86	P	V
	*	5210	90.64	-	-	85.1	33.06	9.21	36.73	100	86	A	V
		5400.64	47.3	-26.7	74	41.59	33	9.43	36.72	100	86	P	V
		5350	38.75	-15.25	54	33.2	32.9	9.37	36.72	100	86	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. 4+3	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	46.81	-21.39	68.2	53.99	38.72	12.92	58.82	-	-	P	H
		15630	46.97	-27.03	74	51.43	37.88	15.6	57.94	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	47.13	-21.07	68.2	54.12	38.72	12.92	58.63	-	-	P	V
5210MHz		15630	46.25	-27.75	74	50.55	37.88	15.6	57.78	-	-	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. 4+3	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		5138.38	48.41	-25.59	74	42.86	33.2	9.08	36.73	300	296	P	H
		5149.26	37.41	-16.59	54	31.84	33.2	9.1	36.73	300	296	A	H
	*	5260	110.76	-	-	105.33	32.88	9.27	36.72	300	296	P	H
	*	5260	105.1	-	-	99.67	32.88	9.27	36.72	300	296	A	H
		5353.2	49.56	-24.44	74	43.99	32.91	9.38	36.72	300	296	P	H
		5350.08	38.74	-15.26	54	33.19	32.9	9.37	36.72	300	296	A	H
		5137.7	48.57	-25.43	74	43.02	33.2	9.08	36.73	100	263	P	V
		5149.94	37.61	-16.39	54	32.04	33.2	9.1	36.73	100	263	A	V
	*	5260	110.57	-	-	105.14	32.88	9.27	36.72	100	263	P	V
	*	5260	105.1	-	-	99.67	32.88	9.27	36.72	100	263	A	V
		5364	49.2	-24.8	74	43.6	32.93	9.39	36.72	100	263	P	V
		5351.52	38.39	-15.61	54	32.84	32.9	9.37	36.72	100	263	A	V
802.11a CH 60 5300MHz		5097.24	47.87	-26.13	74	42.4	33.2	9	36.73	300	296	P	H
		5147.22	36.81	-17.19	54	31.24	33.2	9.1	36.73	300	296	A	H
	*	5300	111.62	-	-	106.22	32.8	9.32	36.72	300	296	P	H
	*	5300	104.98	-	-	99.58	32.8	9.32	36.72	300	296	A	H
		5350.56	57.85	-16.15	74	52.3	32.9	9.37	36.72	300	296	P	H
		5350.32	45.72	-8.28	54	40.17	32.9	9.37	36.72	300	296	A	H
		5052.7	47.41	-26.59	74	42.03	33.2	8.91	36.73	100	260	P	V
		5147.22	36.85	-17.15	54	31.28	33.2	9.1	36.73	100	260	A	V
	*	5300	111.52	-	-	106.12	32.8	9.32	36.72	100	260	P	V
	*	5300	104.97	-	-	99.57	32.8	9.32	36.72	100	260	A	V
		5350.8	58.06	-15.94	74	52.51	32.9	9.37	36.72	100	260	P	V
		5350.32	45.2	-8.8	54	39.65	32.9	9.37	36.72	100	260	A	V

802.11a CH 64 5320MHz	*	5320	110.08	-	-	104.62	32.84	9.34	36.72	300	297	P	H
	*	5320	104.09	-	-	98.63	32.84	9.34	36.72	300	297	A	H
		5350.08	60.9	-13.1	74	55.35	32.9	9.37	36.72	300	297	P	H
		5350.08	50.26	-3.74	54	44.71	32.9	9.37	36.72	300	297	A	H
													H
													H
	*	5320	110.97	-	-	105.51	32.84	9.34	36.72	105	260	P	V
	*	5320	104.98	-	-	99.52	32.84	9.34	36.72	105	260	A	V
		5350.4	60.65	-13.35	74	55.1	32.9	9.37	36.72	105	260	P	V
		5350.72	49.8	-4.2	54	44.25	32.9	9.37	36.72	105	260	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. 4+3	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	47.49	-20.71	68.2	54.44	38.84	12.97	58.76	-	-	P	H
		15780	47.62	-26.38	74	52.25	37.76	15.66	58.05	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	47.43	-20.77	68.2	54.2	38.84	12.97	58.58	-	-	P	V
		15780	46.73	-27.27	74	51.18	37.76	15.66	57.87	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.45	-27.55	74	53.11	39	13.02	58.68	-	-	P	H
		15900	44.17	-29.83	74	49.1	37.5	15.7	58.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 60 5300MHz													H
		10600	45.48	-28.52	74	51.98	39	13.02	58.52	-	-	P	V
		15900	43.74	-30.26	74	48.48	37.5	15.7	57.94	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.06	-27.94	74	52.62	39.04	13.04	58.64	-	-	P	H
		15960	43.12	-30.88	74	48.07	37.5	15.72	58.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz													H
		10640	45.73	-28.27	74	52.14	39.04	13.04	58.49	-	-	P	V
		15960	43.28	-30.72	74	48.04	37.5	15.72	57.98	-	-	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 2 5250~5350MHz

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

WIFI Ant. 4+3	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)
		5134.3	48.44	-25.56	74	42.9	33.2	9.07	36.73	235	245	P	H
		5149.26	37.89	-16.11	54	32.32	33.2	9.1	36.73	235	245	A	H
	*	5260	111.94	-	-	106.51	32.88	9.27	36.72	235	245	P	H
	*	5260	105.75	-	-	100.32	32.88	9.27	36.72	235	245	A	H
802.11ax		5351.04	49.08	-24.92	74	43.53	32.9	9.37	36.72	235	245	P	H
HE20 Full		5350.08	38.46	-15.54	54	32.91	32.9	9.37	36.72	235	245	A	H
CH 52		5137.7	48.41	-25.59	74	42.86	33.2	9.08	36.73	123	276	P	V
5260MHz		5149.6	37.76	-16.24	54	32.19	33.2	9.1	36.73	123	276	A	V
	*	5260	112.78	-	-	107.35	32.88	9.27	36.72	123	276	P	V
	*	5260	106.17	-	-	100.74	32.88	9.27	36.72	123	276	A	V
		5354.16	49.89	-24.11	74	44.32	32.91	9.38	36.72	123	276	P	V
		5350.32	38.45	-15.55	54	32.9	32.9	9.37	36.72	123	276	A	V
		5046.58	47.37	-26.63	74	42.01	33.19	8.9	36.73	246	248	P	H
		5145.86	36.79	-17.21	54	31.23	33.2	9.09	36.73	246	248	A	H
	*	5300	112.4	-	-	107	32.8	9.32	36.72	246	248	P	H
	*	5300	105.04	-	-	99.64	32.8	9.32	36.72	246	248	A	H
802.11ax		5357.52	57.35	-16.65	74	51.77	32.92	9.38	36.72	246	248	P	H
HE20 Full		5350.08	44.52	-9.48	54	38.97	32.9	9.37	36.72	246	248	A	H
CH 60		5053.72	47.29	-26.71	74	41.91	33.2	8.91	36.73	144	247	P	V
5300MHz		5148.92	36.71	-17.29	54	31.14	33.2	9.1	36.73	144	247	A	V
	*	5300	108.2	-	-	102.8	32.8	9.32	36.72	144	247	P	V
	*	5300	101.26	-	-	95.86	32.8	9.32	36.72	144	247	A	V
		5350.32	51.16	-22.84	74	45.61	32.9	9.37	36.72	144	247	P	V
		5351.28	40.94	-13.06	54	35.39	32.9	9.37	36.72	144	247	A	V

	*	5320	112.57	-	-	107.11	32.84	9.34	36.72	248	249	P	H
	*	5320	104.08	-	-	98.62	32.84	9.34	36.72	248	249	A	H
		5354.72	62.59	-11.41	74	57.02	32.91	9.38	36.72	248	249	P	H
		5350.08	51.1	-2.9	54	45.55	32.9	9.37	36.72	248	249	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	113.84	-	-	108.38	32.84	9.34	36.72	138	270	P	V
5320MHz	*	5320	104.78	-	-	99.32	32.84	9.34	36.72	138	270	A	V
		5350.72	64.11	-9.89	74	58.56	32.9	9.37	36.72	138	270	P	V
		5350.08	50.87	-3.13	54	45.32	32.9	9.37	36.72	138	270	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. 4+3	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	46.31	-21.89	68.2	53.26	38.84	12.97	58.76	-	-	P	H
		15780	44.37	-29.63	74	49	37.76	15.66	58.05	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	46.2	-22	68.2	52.97	38.84	12.97	58.58	-	-	P	V
5260MHz		15780	45.98	-28.02	74	50.43	37.76	15.66	57.87	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.12	-27.88	74	52.78	39	13.02	58.68	-	-	P	H
		15900	45.6	-28.4	74	50.53	37.5	15.7	58.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	46.73	-27.27	74	53.23	39	13.02	58.52	-	-	P	V
5300MHz		15900	45.64	-28.36	74	50.38	37.5	15.7	57.94	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	45.51	-28.49	74	52.07	39.04	13.04	58.64	-	-	P	H
		15960	44.25	-29.75	74	49.2	37.5	15.72	58.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	45.85	-28.15	74	52.26	39.04	13.04	58.49	-	-	P	V
5320MHz		15960	44	-30	74	48.76	37.5	15.72	57.98	-	-	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 2 5250~5350MHz

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

WIFI Ant. 4+3	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)
		5140.08	50.16	-23.84	74	44.61	33.2	9.08	36.73	304	296	P	H
		5149.94	39.98	-14.02	54	34.41	33.2	9.1	36.73	304	296	A	H
	*	5270	107.82	-	-	102.4	32.86	9.28	36.72	304	296	P	H
	*	5270	101.14	-	-	95.72	32.86	9.28	36.72	304	296	A	H
802.11ax		5350.08	53.64	-20.36	74	48.09	32.9	9.37	36.72	304	296	P	H
HE40 Full		5350.08	43.79	-10.21	54	38.24	32.9	9.37	36.72	304	296	A	H
CH 54		5131.24	49.67	-24.33	74	44.13	33.2	9.07	36.73	100	265	P	V
5270MHz		5149.94	40.46	-13.54	54	34.89	33.2	9.1	36.73	100	265	A	V
	*	5270	108.86	-	-	103.44	32.86	9.28	36.72	100	265	P	V
	*	5270	102.27	-	-	96.85	32.86	9.28	36.72	100	265	A	V
		5370.96	55.37	-18.63	74	49.75	32.94	9.4	36.72	100	265	P	V
		5350.08	44.03	-9.97	54	38.48	32.9	9.37	36.72	100	265	A	V
		5062.22	47.52	-26.48	74	42.12	33.2	8.93	36.73	302	297	P	H
		5149.94	36.98	-17.02	54	31.41	33.2	9.1	36.73	302	297	A	H
	*	5310	108.01	-	-	102.58	32.82	9.33	36.72	302	297	P	H
	*	5310	100.42	-	-	94.99	32.82	9.33	36.72	302	297	A	H
802.11ax		5350.08	64.05	-9.95	74	58.5	32.9	9.37	36.72	302	297	P	H
HE40 Full		5350.08	52.15	-1.85	54	46.6	32.9	9.37	36.72	302	297	A	H
CH 62		5064.94	47.43	-26.57	74	42.02	33.2	8.94	36.73	117	265	P	V
5310MHz		5149.94	37.06	-16.94	54	31.49	33.2	9.1	36.73	117	265	A	V
	*	5310	107.97	-	-	102.54	32.82	9.33	36.72	117	265	P	V
	*	5310	100.58	-	-	95.15	32.82	9.33	36.72	117	265	A	V
		5350.56	62.66	-11.34	74	57.11	32.9	9.37	36.72	117	265	P	V
		5350.08	51.55	-2.45	54	46	32.9	9.37	36.72	117	265	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. 4+3	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	45.78	-22.42	68.2	52.66	38.88	12.98	58.74	-	-	P	H
		15810	45.11	-28.89	74	49.74	37.77	15.67	58.07	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	47.16	-21.04	68.2	53.87	38.88	12.98	58.57	-	-	P	V
5270MHz		15810	45.89	-28.11	74	50.34	37.77	15.67	57.89	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.8	-27.2	74	53.41	39.02	13.03	58.66	-	-	P	H
		15930	44.23	-29.77	74	49.17	37.5	15.71	58.15	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	47.11	-26.89	74	53.56	39.02	13.03	58.5	-	-	P	V
5310MHz		15930	44.8	-29.2	74	49.55	37.5	15.71	57.96	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 4+3	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 58 5290MHz		5142.46	48.82	-25.18	74	43.26	33.2	9.09	36.73	283	299	P	H
		5149.94	38.04	-15.96	54	32.47	33.2	9.1	36.73	283	299	A	H
	*	5290	102.48	-	-	97.08	32.82	9.3	36.72	283	299	P	H
	*	5290	95.29	-	-	89.89	32.82	9.3	36.72	283	299	A	H
		5352	62.05	-11.95	74	56.5	32.9	9.37	36.72	283	299	P	H
		5350.56	51.67	-2.33	54	46.12	32.9	9.37	36.72	283	299	A	H
		5111.86	48.61	-25.39	74	43.11	33.2	9.03	36.73	101	277	P	V
		5142.46	38.21	-15.79	54	32.65	33.2	9.09	36.73	101	277	A	V
	*	5290	102.73	-	-	97.33	32.82	9.3	36.72	101	277	P	V
	*	5290	95.34	-	-	89.94	32.82	9.3	36.72	101	277	A	V
		5359.92	61.94	-12.06	74	56.36	32.92	9.38	36.72	101	277	P	V
		5350.8	51.19	-2.81	54	45.64	32.9	9.37	36.72	101	277	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. 4+3	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	46.8	-21.4	68.2	53.54	38.96	13	58.7	-	-	P	H
		15870	44.79	-29.21	74	49.62	37.59	15.69	58.11	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	45.17	-23.03	68.2	51.75	38.96	13	58.54	-	-	P	V
5290MHz		15870	46.19	-27.81	74	50.83	37.59	15.69	57.92	-	-	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. 4+3	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		5453.84	59.06	-14.94	74	53.33	33	9.45	36.72	100	51	P	H
		5470	63.93	-4.27	68.2	58.19	33	9.46	36.72	100	51	P	H
		5456.56	49.14	-4.86	54	43.4	33	9.46	36.72	100	51	A	H
	*	5500	109.3	-	-	103.54	33	9.48	36.72	100	51	P	H
	*	5500	103.45	-	-	97.69	33	9.48	36.72	100	51	A	H
													H
		5457.36	60.74	-13.26	74	55	33	9.46	36.72	306	255	P	V
		5469.68	64.43	-3.77	68.2	58.69	33	9.46	36.72	306	255	P	V
		5460	49.32	-4.68	54	43.58	33	9.46	36.72	306	255	A	V
	*	5500	109.12	-	-	103.36	33	9.48	36.72	306	255	P	V
	*	5500	102.84	-	-	97.08	33	9.48	36.72	306	255	A	V
													V
802.11a CH 116 5580MHz		5439.4	49.13	-24.87	74	43.4	33	9.45	36.72	300	298	P	H
		5469.1	47.89	-20.31	68.2	42.15	33	9.46	36.72	300	298	P	H
		5458.3	37.73	-16.27	54	31.99	33	9.46	36.72	300	298	A	H
	*	5580	111.47	-	-	105.72	32.96	9.51	36.72	300	298	P	H
	*	5580	105.05	-	-	99.3	32.96	9.51	36.72	300	298	A	H
		5753.03	48.84	-19.36	68.2	41.95	34.01	9.59	36.71	300	298	P	H
		5392.9	48.18	-25.82	74	42.49	32.99	9.42	36.72	252	265	P	V
		5462.8	48.15	-20.05	68.2	42.41	33	9.46	36.72	252	265	P	V
		5460	37.74	-16.26	54	32	33	9.46	36.72	252	265	A	V
	*	5580	109.83	-	-	104.08	32.96	9.51	36.72	252	265	P	V
	*	5580	103.45	-	-	97.7	32.96	9.51	36.72	252	265	A	V
		5760.275	48.39	-19.81	68.2	41.47	34.04	9.59	36.71	252	265	P	V

802.11a CH 140 5700MHz	*	5700	112.02	-	-	105.47	33.7	9.57	36.72	304	296	P	H
	*	5700	105.09	-	-	98.54	33.7	9.57	36.72	304	296	A	H
		5733	62.4	-5.8	68.2	55.64	33.9	9.58	36.72	304	296	P	H
													H
													H
													H
	*	5700	109.71	-	-	103.16	33.7	9.57	36.72	100	265	P	V
	*	5700	103.2	-	-	96.65	33.7	9.57	36.72	100	265	A	V
		5727.64	60.45	-7.75	68.2	53.72	33.87	9.58	36.72	100	265	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. 4+3	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	45.75	-28.25	74	51.9	38.9	13.23	58.28	-	-	P	H
		16500	44.5	-23.7	68.2	49.05	38.1	16.06	58.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 100 5500MHz													H
		11000	45.7	-28.3	74	51.77	38.9	13.23	58.2	-	-	P	V
		16500	44.93	-23.27	68.2	49.47	38.1	16.06	58.7	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	45.31	-28.69	74	51.3	38.82	13.32	58.13	-	-	P	H
		16740	45.59	-22.61	68.2	50.56	38	16.22	59.19	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	45	-29	74	50.93	38.82	13.32	58.07	-	-	P	V
		16740	45.7	-22.5	68.2	50.52	38	16.22	59.04	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.06	-27.94	74	52.12	38.78	13.31	58.15	-	-	P	H
		17100	46.13	-22.07	68.2	51.53	37.9	16.45	59.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz													H
		11140	45.77	-28.23	74	51.77	38.78	13.31	58.09	-	-	P	V
		17100	46.57	-21.63	68.2	51.68	37.9	16.45	59.46	-	-	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. 4+3	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)
		5460.08	59.59	-8.61	68.2	53.85	33	9.46	36.72	250	304	P	H
		5468.56	65.21	-2.99	68.2	59.47	33	9.46	36.72	250	304	P	H
		5459.44	49.71	-4.29	54	43.97	33	9.46	36.72	250	304	A	H
	*	5500	113.77	-	-	108.01	33	9.48	36.72	250	304	P	H
802.11ax	*	5500	105.38	-	-	99.62	33	9.48	36.72	250	304	A	H
HE20 Full		5459.12	60.19	-13.81	74	54.45	33	9.46	36.72	134	277	P	V
CH 100		5469.04	65.61	-2.59	68.2	59.87	33	9.46	36.72	134	277	P	V
5500MHz		5460	49.61	-4.39	54	43.87	33	9.46	36.72	134	277	A	V
	*	5500	112.4	-	-	106.64	33	9.48	36.72	134	277	P	V
	*	5500	104.21	-	-	98.45	33	9.48	36.72	134	277	A	V
													V
													V
		5455.6	49.27	-24.73	74	43.53	33	9.46	36.72	234	301	P	H
		5466.7	50.54	-17.66	68.2	44.8	33	9.46	36.72	234	301	P	H
		5460	38.1	-15.9	54	32.36	33	9.46	36.72	234	301	A	H
	*	5580	113.46	-	-	107.71	32.96	9.51	36.72	234	301	P	H
802.11ax	*	5580	105.59	-	-	99.84	32.96	9.51	36.72	234	301	A	H
HE20 Full		5759.645	49.07	-19.13	68.2	42.15	34.04	9.59	36.71	234	301	P	H
CH 116		5391.1	48.42	-25.58	74	42.74	32.98	9.42	36.72	122	270	P	V
5580MHz		5462.5	48.12	-20.08	68.2	42.38	33	9.46	36.72	122	270	P	V
		5459.8	37.76	-16.24	54	32.02	33	9.46	36.72	122	270	A	V
	*	5580	108.77	-	-	103.02	32.96	9.51	36.72	122	270	P	V
	*	5580	102.19	-	-	96.44	32.96	9.51	36.72	122	270	A	V
		5730.35	47.78	-20.42	68.2	41.04	33.88	9.58	36.72	122	270	P	V

	*	5700	110.98	-	-	104.43	33.7	9.57	36.72	242	300	P	H
	*	5700	103.51	-	-	96.96	33.7	9.57	36.72	242	300	A	H
		5725.88	65.76	-2.44	68.2	59.04	33.86	9.58	36.72	242	300	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	106.33	-	-	99.78	33.7	9.57	36.72	100	278	P	V
5700MHz	*	5700	98.95	-	-	92.4	33.7	9.57	36.72	100	278	A	V
		5725.8	60.95	-7.25	68.2	54.24	33.85	9.58	36.72	100	278	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. 4+3	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	45.64	-28.36	74	51.79	38.9	13.23	58.28	-	-	P	H
		16500	44.74	-23.46	68.2	49.29	38.1	16.06	58.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	45.99	-28.01	74	52.06	38.9	13.23	58.2	-	-	P	V
5500MHz		16500	44.58	-23.62	68.2	49.12	38.1	16.06	58.7	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	45.92	-28.08	74	51.91	38.82	13.32	58.13	-	-	P	H
		16740	46.3	-21.9	68.2	51.27	38	16.22	59.19	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	45.44	-28.56	74	51.37	38.82	13.32	58.07	-	-	P	V
5580MHz		16740	45.55	-22.65	68.2	50.37	38	16.22	59.04	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	47.13	-26.87	74	52.59	39	13.45	57.91	-	-	P	H
		17100	46.24	-21.96	68.2	51.64	37.9	16.45	59.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	46.8	-27.2	74	52.23	39	13.45	57.88	-	-	P	V
5700MHz		17100	46.63	-21.57	68.2	51.74	37.9	16.45	59.46	-	-	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. 4+3	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)
		5459.8	63.81	-10.19	74	58.07	33	9.46	36.72	270	296	P	H
		5468.5	66.62	-1.58	68.2	60.88	33	9.46	36.72	270	296	P	H
		5460	52.18	-1.82	54	46.44	33	9.46	36.72	270	296	A	H
	*	5510	109.32	-	-	103.58	32.98	9.48	36.72	270	296	P	H
802.11ax	*	5510	101.39	-	-	95.65	32.98	9.48	36.72	270	296	A	H
HE40 Full		5759.96	48.72	-19.48	68.2	41.8	34.04	9.59	36.71	270	296	P	H
CH 102		5459.8	62.68	-11.32	74	56.94	33	9.46	36.72	109	265	P	V
5510MHz		5470	65.74	-2.46	68.2	60	33	9.46	36.72	109	265	P	V
		5460.1	52.01	-97.99	150	46.27	33	9.46	36.72	109	265	A	V
	*	5510	107.58	-	-	101.84	32.98	9.48	36.72	109	265	P	V
	*	5510	100.08	-	-	94.34	32.98	9.48	36.72	109	265	A	V
		5765	48.2	-20	68.2	41.26	34.06	9.59	36.71	109	265	P	V
		5458.3	56.76	-17.24	74	51.02	33	9.46	36.72	248	300	P	H
		5469.1	60.48	-7.72	68.2	54.74	33	9.46	36.72	248	300	P	H
		5458.6	45.62	-8.38	54	39.88	33	9.46	36.72	248	300	A	H
	*	5550	109.36	-	-	103.68	32.9	9.5	36.72	248	300	P	H
802.11ax	*	5550	102.22	-	-	96.54	32.9	9.5	36.72	248	300	A	H
HE40 Full		5759.645	49.25	-18.95	68.2	42.33	34.04	9.59	36.71	248	300	P	H
CH 110		5458.6	54.22	-19.78	74	48.48	33	9.46	36.72	121	272	P	V
5550MHz		5469.7	57.95	-10.25	68.2	52.21	33	9.46	36.72	121	272	P	V
		5459.5	44.66	-9.34	54	38.92	33	9.46	36.72	121	272	A	V
	*	5550	106.85	-	-	101.17	32.9	9.5	36.72	121	272	P	V
	*	5550	99.22	-	-	93.54	32.9	9.5	36.72	121	272	A	V
		5725.625	48.14	-20.06	68.2	41.43	33.85	9.58	36.72	121	272	P	V

		5421.75	47.49	-26.51	74	41.77	33	9.44	36.72	251	301	P	H
		5460.25	46.31	-21.89	68.2	40.57	33	9.46	36.72	251	301	P	H
		5458.5	37.41	-16.59	54	31.67	33	9.46	36.72	251	301	A	H
	*	5670	109.26	-	-	103.09	33.34	9.55	36.72	251	301	P	H
802.11ax	*	5670	101.56	-	-	95.39	33.34	9.55	36.72	251	301	A	H
HE40 Full		5725.275	59.67	-8.53	68.2	52.96	33.85	9.58	36.72	251	301	P	H
CH 134		5419.65	47.62	-26.38	74	41.9	33	9.44	36.72	100	278	P	V
5670MHz		5461.3	47.27	-20.93	68.2	41.53	33	9.46	36.72	100	278	P	V
		5448.35	37.26	-16.74	54	31.53	33	9.45	36.72	100	278	A	V
	*	5670	104.67	-	-	98.5	33.34	9.55	36.72	100	278	P	V
	*	5670	97.82	-	-	91.65	33.34	9.55	36.72	100	278	A	V
		5727.025	53.85	-14.35	68.2	47.13	33.86	9.58	36.72	100	278	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. 4+3	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	46.35	-27.65	74	52.51	38.86	13.24	58.26	-	-	P	H
		16530	44.61	-23.59	68.2	49.26	38.04	16.08	58.77	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	45.8	-28.2	74	51.88	38.86	13.24	58.18	-	-	P	V
5510MHz		16530	45.07	-23.13	68.2	49.69	38.04	16.08	58.74	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.79	-27.21	74	52.99	38.7	13.29	58.19	-	-	P	H
		16650	45.34	-22.86	68.2	50.24	37.95	16.16	59.01	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	45.9	-28.1	74	52.03	38.7	13.29	58.12	-	-	P	V
5550MHz		16650	45.5	-22.7	68.2	50.3	37.95	16.16	58.91	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.23	-27.77	74	51.78	39	13.42	57.97	-	-	P	H
		17010	45.2	-23	68.2	50.8	37.72	16.39	59.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	47.05	-26.95	74	52.56	39	13.42	57.93	-	-	P	V
5670MHz		17010	45.3	-22.9	68.2	50.6	37.72	16.39	59.41	-	-	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 3 5470~5725MHz

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

WIFI Ant. 4+3	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)
		5441.77	61.53	-12.47	74	55.8	33	9.45	36.72	288	304	P	H
		5460.17	63.46	-4.74	68.2	57.72	33	9.46	36.72	288	304	P	H
		5459.94	52.02	-1.98	54	46.28	33	9.46	36.72	288	304	A	H
	*	5530	103.98	-	-	98.27	32.94	9.49	36.72	288	304	P	H
802.11ax	*	5530	96.29	-	-	90.58	32.94	9.49	36.72	288	304	A	H
HE80 Full		5757.125	48.33	-19.87	68.2	41.42	34.03	9.59	36.71	288	304	P	H
CH 106		5459.48	60.89	-13.11	74	55.15	33	9.46	36.72	100	300	P	V
5530MHz		5469.83	60.82	-7.38	68.2	55.08	33	9.46	36.72	100	300	P	V
		5459.25	49.81	-4.19	54	44.07	33	9.46	36.72	100	300	A	V
	*	5530	101.81	-	-	96.1	32.94	9.49	36.72	100	300	P	V
	*	5530	94.18	-	-	88.47	32.94	9.49	36.72	100	300	A	V
		5762.165	47.36	-20.84	68.2	40.43	34.05	9.59	36.71	100	300	P	V
		5459.5	54.19	-19.81	74	48.45	33	9.46	36.72	256	300	P	H
		5461	53.67	-14.53	68.2	47.93	33	9.46	36.72	256	300	P	H
		5459.2	43.37	-10.63	54	37.63	33	9.46	36.72	256	300	A	H
	*	5610	106.68	-	-	100.86	33.02	9.52	36.72	256	300	P	H
802.11ax	*	5610	97.59	-	-	91.77	33.02	9.52	36.72	256	300	A	H
HE80 Full		5730.98	52	-16.2	68.2	45.25	33.89	9.58	36.72	256	300	P	H
CH 122		5448.7	52.55	-21.45	74	46.82	33	9.45	36.72	100	267	P	V
5610MHz		5469.1	52.74	-15.46	68.2	47	33	9.46	36.72	100	267	P	V
		5459.5	42.18	-11.82	54	36.44	33	9.46	36.72	100	267	A	V
	*	5610	103.3	-	-	97.48	33.02	9.52	36.72	100	267	P	V
	*	5610	96.01	-	-	90.19	33.02	9.52	36.72	100	267	A	V
		5737.595	50.88	-17.32	68.2	44.09	33.93	9.58	36.72	100	267	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. 4+3	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	46.08	-27.92	74	52.26	38.78	13.26	58.22	-	-	P	H
		16590	44.31	-23.89	68.2	49.16	37.92	16.12	58.89	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	46.03	-27.97	74	52.14	38.78	13.26	58.15	-	-	P	V
5530MHz		16590	44.91	-23.29	68.2	49.7	37.92	16.12	58.83	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	45.6	-28.4	74	51.41	38.92	13.35	58.08	-	-	P	H
		16830	46.08	-22.12	68.2	51.23	37.94	16.27	59.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	46.08	-27.92	74	51.83	38.92	13.35	58.02	-	-	P	V
5610MHz		16830	46.47	-21.73	68.2	51.42	37.94	16.27	59.16	-	-	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.	
4+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5452.18	47.46	-26.54	74	41.73	33	9.45	36.72	300	296	P	H
		5470	46.16	-22.04	68.2	40.42	33	9.46	36.72	300	296	P	H
		5412.01	36.95	-17.05	54	31.23	33	9.44	36.72	300	296	A	H
	*	5720	110.85	-	-	104.18	33.82	9.57	36.72	300	296	P	H
	*	5720	104.5	-	-	97.83	33.82	9.57	36.72	300	296	A	H
		5872.26	49.46	-18.74	68.2	42.22	34.24	9.71	36.71	300	296	P	H
		5441.26	47.34	-26.66	74	41.61	33	9.45	36.72	100	265	P	V
		5463.49	46.65	-21.55	68.2	40.91	33	9.46	36.72	100	265	P	V
		5412.79	37.01	-16.99	54	31.29	33	9.44	36.72	100	265	A	V
	*	5720	109.2	-	-	102.53	33.82	9.57	36.72	100	265	P	V
	*	5720	103.14	-	-	96.47	33.82	9.57	36.72	100	265	A	V
		5892.8	49.47	-18.73	68.2	42.15	34.29	9.74	36.71	100	265	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. 4+3	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	47.27	-26.73	74	52.67	39	13.48	57.88	-	-	P	H
		17160	46.08	-22.12	68.2	51.43	37.96	16.48	59.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	47.77	-26.23	74	53.14	39	13.48	57.85	-	-	P	V
		17160	45.75	-22.45	68.2	50.81	37.96	16.48	59.5	-	-	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. 4+3	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)
		5412.79	47.33	-26.67	74	41.61	33	9.44	36.72	235	301	P	H
		5468.56	46.61	-21.59	68.2	40.87	33	9.46	36.72	235	301	P	H
		5412.4	36.99	-17.01	54	31.27	33	9.44	36.72	235	301	A	H
	*	5720	111.45	-	-	104.78	33.82	9.57	36.72	235	301	P	H
802.11ax	*	5720	105.32	-	-	98.65	33.82	9.57	36.72	235	301	A	H
HE20 Full		5917.5	49.25	-18.95	68.2	41.96	34.23	9.77	36.71	235	301	P	H
CH 144		5420.59	47.26	-26.74	74	41.54	33	9.44	36.72	131	278	P	V
5720MHz		5469.34	45.68	-22.52	68.2	39.94	33	9.46	36.72	131	278	P	V
		5412.4	36.9	-17.1	54	31.18	33	9.44	36.72	131	278	A	V
	*	5720	108.73	-	-	102.06	33.82	9.57	36.72	131	278	P	V
	*	5720	101.57	-	-	94.9	33.82	9.57	36.72	131	278	A	V
		5900.08	49.8	-18.4	68.2	42.46	34.3	9.75	36.71	131	278	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. 4+3	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	47.72	-26.28	74	53.12	39	13.48	57.88	-	-	P	H
		17160	46.27	-21.93	68.2	51.62	37.96	16.48	59.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	47.17	-26.83	74	52.54	39	13.48	57.85	-	-	P	V
5720MHz		17160	45.67	-22.53	68.2	50.73	37.96	16.48	59.5	-	-	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. 4+3	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)
		5452.96	48.02	-25.98	74	42.29	33	9.45	36.72	249	299	P	H
		5462.32	47.99	-20.21	68.2	42.25	33	9.46	36.72	249	299	P	H
		5459.98	37.25	-16.75	54	31.51	33	9.46	36.72	249	299	A	H
	*	5710	108.53	-	-	101.92	33.76	9.57	36.72	249	299	P	H
802.11ax	*	5710	101.36	-	-	94.75	33.76	9.57	36.72	249	299	A	H
HE40 Full		5902.68	49.61	-18.59	68.2	42.28	34.29	9.75	36.71	249	299	P	H
CH 142		5352.73	48.01	-25.99	74	42.44	32.91	9.38	36.72	100	278	P	V
5710MHz		5468.17	46.45	-21.75	68.2	40.71	33	9.46	36.72	100	278	P	V
		5451.79	37.06	-16.94	54	31.33	33	9.45	36.72	100	278	A	V
	*	5710	103.99	-	-	97.38	33.76	9.57	36.72	100	278	P	V
	*	5710	97.17	-	-	90.56	33.76	9.57	36.72	100	278	A	V
		5886.04	49.13	-19.07	68.2	41.84	34.27	9.73	36.71	100	278	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. 4+3	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	46.77	-27.23	74	52.19	39	13.47	57.89	-	-	P	H
		17130	46.94	-21.26	68.2	52.31	37.93	16.47	59.77	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	47.47	-26.53	74	52.86	39	13.47	57.86	-	-	P	V
5710MHz		17130	46.27	-21.93	68.2	51.35	37.93	16.47	59.48	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 Straddle Channel

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

WIFI Ant. 4+3	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)
		5438.14	49.58	-24.42	74	43.85	33	9.45	36.72	262	303	P	H
		5469.34	49.32	-18.88	68.2	43.58	33	9.46	36.72	262	303	P	H
		5459.59	39.32	-14.68	54	33.58	33	9.46	36.72	262	303	A	H
	*	5690	104.8	-	-	98.38	33.58	9.56	36.72	262	303	P	H
802.11ax	*	5690	96.94	-	-	90.52	33.58	9.56	36.72	262	303	A	H
HE80 Full		5885.78	51.18	-17.02	68.2	43.89	34.27	9.73	36.71	262	303	P	H
CH 138		5438.14	49.29	-24.71	74	43.56	33	9.45	36.72	117	276	P	V
5690MHz		5469.73	49.35	-18.85	68.2	43.61	33	9.46	36.72	117	276	P	V
		5459.59	39.01	-14.99	54	33.27	33	9.46	36.72	117	276	A	V
	*	5690	101.31	-	-	94.89	33.58	9.56	36.72	117	276	P	V
	*	5690	94.3	-	-	87.88	33.58	9.56	36.72	117	276	A	V
		5861.6	50.74	-17.46	68.2	43.54	34.22	9.69	36.71	117	276	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. 4+3	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	46.5	-27.5	74	51.99	39	13.44	57.93	-	-	P	H
		17070	44.58	-23.62	68.2	50.05	37.84	16.43	59.74	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	46.5	-27.5	74	51.96	39	13.44	57.9	-	-	P	V
5690MHz		17070	44.43	-23.77	68.2	49.6	37.84	16.43	59.44	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission above 18GHz

WIFI 802.11ax HE40 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.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full SHF		39780	49.26	-24.74	74	61.02	44.5	-0.24	56.02	-	-	P	H
		39780	39.33	-14.67	54	51.09	44.5	-0.24	56.02	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39736	49.38	-24.62	74	61.21	44.51	-0.28	56.06	-	-	P	V
		39736	39.4	-14.6	54	51.23	44.51	-0.28	56.06	-	-	A	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 HE40 Full (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.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		30	33.36	-6.64	40	40.89	24.3	0.64	32.47	-	-	P	H
		120.21	32.31	-11.19	43.5	46.3	17.23	1.31	32.53	-	-	P	H
		359.8	25.44	-20.56	46	35.05	20.58	2.26	32.45	-	-	P	H
		600.36	31.94	-14.06	46	36.02	25.44	2.99	32.51	-	-	P	H
		714.82	36.42	-9.58	46	38.97	26.59	3.22	32.36	-	-	P	H
		903	26.31	-19.69	46	25.26	28.84	3.7	31.49	261	197	Q	H
													H
													H
													H
													H
													H
													H
		49.4	33.73	-6.27	40	50.81	14.6	0.89	32.57	-	-	P	V
		93.05	23.76	-19.74	43.5	40.16	14.86	1.2	32.46	-	-	P	V
		401.51	22.2	-23.8	46	30.62	21.7	2.36	32.48	-	-	P	V
		569.32	27.66	-18.34	46	31.32	25.92	2.92	32.5	-	-	P	V
		713.85	36.83	-9.17	46	39.43	26.55	3.22	32.37	-	-	P	V
		896.21	33.95	-12.05	46	33.05	28.76	3.68	31.54	-	-	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.	
4+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5620.6	48.46	-19.74	68.2	42.61	33.04	9.53	36.72	278	298	P	H
		5697	52.99	-50	102.99	46.49	33.66	9.56	36.72	278	298	P	H
		5718.8	62.47	-47.99	110.46	55.81	33.81	9.57	36.72	278	298	P	H
		5722.6	65.02	-51.71	116.73	58.32	33.84	9.58	36.72	278	298	P	H
	*	5745	111.73	-	-	104.89	33.97	9.59	36.72	278	298	P	H
	*	5745	104.65	-	-	97.81	33.97	9.59	36.72	278	298	A	H
													H
802.11a													H
CH 149		5646.8	47.83	-20.37	68.2	41.92	33.09	9.54	36.72	105	272	P	V
5745MHz		5697.8	51.22	-52.36	103.58	44.71	33.67	9.56	36.72	105	272	P	V
		5718.6	60.86	-49.55	110.41	54.2	33.81	9.57	36.72	105	272	P	V
		5723.6	61.76	-57.25	119.01	55.06	33.84	9.58	36.72	105	272	P	V
	*	5745	108.38	-	-	101.54	33.97	9.59	36.72	105	272	P	V
	*	5745	101.56	-	-	94.72	33.97	9.59	36.72	105	272	A	V
													V
													V

WIFI Ant. 4+3	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)
		5640	48.28	-19.92	68.2	42.38	33.08	9.54	36.72	244	300	P	H
		5692.2	48.79	-50.66	99.45	42.34	33.61	9.56	36.72	244	300	P	H
		5719.8	53.86	-56.88	110.74	47.19	33.82	9.57	36.72	244	300	P	H
		5724.6	52.98	-68.31	121.29	46.27	33.85	9.58	36.72	244	300	P	H
	*	5785	113.63	-	-	106.6	34.14	9.6	36.71	244	300	P	H
	*	5785	106.27	-	-	99.24	34.14	9.6	36.71	244	300	A	H
		5851.395	51.67	-67.35	119.02	44.5	34.2	9.68	36.71	244	300	P	H
		5855.7	50.07	-60.53	110.6	42.88	34.21	9.69	36.71	244	300	P	H
		5875.995	49.8	-54.66	104.46	42.55	34.25	9.71	36.71	244	300	P	H
		5933.395	48.84	-19.36	68.2	41.59	34.17	9.79	36.71	244	300	P	H
													H
802.11a CH 157 5785MHz													H
		5626.4	47.74	-20.46	68.2	41.88	33.05	9.53	36.72	304	268	P	V
		5692.8	48.36	-51.53	99.89	41.91	33.61	9.56	36.72	304	268	P	V
		5711	49.4	-58.88	108.28	42.78	33.77	9.57	36.72	304	268	P	V
		5724	49.25	-70.67	119.92	42.55	33.84	9.58	36.72	304	268	P	V
	*	5788	109.47	-	-	102.43	34.15	9.6	36.71	304	268	P	V
	*	5788	102.56	-	-	95.52	34.15	9.6	36.71	304	268	A	V
		5852.625	49.36	-66.85	116.21	42.18	34.21	9.68	36.71	304	268	P	V
		5868	49.53	-57.63	107.16	42.3	34.24	9.7	36.71	304	268	P	V
		5896.085	49.32	-40.24	89.56	42	34.29	9.74	36.71	304	268	P	V
		5929.5	48.18	-20.02	68.2	40.93	34.18	9.78	36.71	304	268	P	V
													V
													V

WIFI Ant. 4+3	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)
	*	5824	113.24	-	-	106.11	34.2	9.64	36.71	240	300	P	H
	*	5824	106.5	-	-	99.37	34.2	9.64	36.71	240	300	A	H
		5853.6	74.23	-39.76	113.99	67.05	34.21	9.68	36.71	240	300	P	H
		5855	72.19	-38.61	110.8	65.01	34.21	9.68	36.71	240	300	P	H
		5882.6	64.71	-34.85	99.56	57.43	34.27	9.72	36.71	240	300	P	H
		5926.4	55.53	-12.67	68.2	48.27	34.19	9.78	36.71	240	300	P	H
													H
802.11a													H
CH 165	*	5824	110.54	-	-	103.41	34.2	9.64	36.71	297	266	P	V
5825MHz	*	5830	103.29	-	-	96.15	34.2	9.65	36.71	297	266	A	V
		5852.6	72.31	-43.96	116.27	65.13	34.21	9.68	36.71	297	266	P	V
		5855	70.22	-40.58	110.8	63.04	34.21	9.68	36.71	297	266	P	V
		5875.4	61.08	-43.82	104.9	53.83	34.25	9.71	36.71	297	266	P	V
		5934.8	52.1	-16.1	68.2	44.86	34.16	9.79	36.71	297	266	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. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	47.09	-26.91	74	52.41	39	13.51	57.83	-	-	P	H
		17235	45.9	-22.3	68.2	51.19	38	16.54	59.83	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	46.46	-27.54	74	51.76	39	13.51	57.81	-	-	P	V
		17235	45.66	-22.54	68.2	50.66	38	16.54	59.54	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	47.05	-26.95	74	52.48	38.79	13.55	57.77	-	-	P	H
		17355	46.13	-22.07	68.2	51.24	38.17	16.61	59.89	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 157 5785MHz													H
		11570	47.22	-26.78	74	52.62	38.79	13.55	57.74	-	-	P	V
		17355	46.76	-21.44	68.2	51.59	38.17	16.61	59.61	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.66	-27.34	74	52.07	38.7	13.6	57.71	-	-	P	H
		17475	48.37	-19.83	68.2	53.19	38.45	16.69	59.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 165 5825MHz													H
		11650	47.08	-26.92	74	52.46	38.7	13.6	57.68	-	-	P	V
		17475	48.69	-19.51	68.2	53.24	38.45	16.69	59.69	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5647.2	49.53	-18.67	68.2	43.62	33.09	9.54	36.72	244	301	P	H
		5699.4	58.36	-46.4	104.76	51.83	33.69	9.56	36.72	244	301	P	H
		5719.8	68.54	-42.2	110.74	61.87	33.82	9.57	36.72	244	301	P	H
		5725	73.6	-48.6	122.2	66.89	33.85	9.58	36.72	244	301	P	H
	*	5745	112.74	-	-	105.9	33.97	9.59	36.72	244	301	P	H
	*	5745	104.55	-	-	97.71	33.97	9.59	36.72	244	301	A	H
802.11ax													H
HE20 Full													H
CH 149		5602	48.9	-19.3	68.2	43.1	33	9.52	36.72	294	266	P	V
5745MHz		5699.2	54.87	-49.74	104.61	48.34	33.69	9.56	36.72	294	266	P	V
		5720	68.07	-42.73	110.8	61.4	33.82	9.57	36.72	294	266	P	V
		5720	68.07	-42.73	110.8	61.4	33.82	9.57	36.72	294	266	P	V
	*	5745	108.04	-	-	101.19	33.98	9.59	36.72	294	266	P	V
	*	5745	100.11	-	-	93.26	33.98	9.59	36.72	294	266	A	V
													V
													V

WIFI Ant. 4+3	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)
		5620.8	48.37	-19.83	68.2	42.52	33.04	9.53	36.72	250	302	P	H
		5697	49.58	-53.41	102.99	43.08	33.66	9.56	36.72	250	302	P	H
		5718.8	53.33	-57.13	110.46	46.67	33.81	9.57	36.72	250	302	P	H
		5724	55.58	-64.34	119.92	48.88	33.84	9.58	36.72	250	302	P	H
	*	5785	112.31	-	-	105.28	34.14	9.6	36.71	250	302	P	H
	*	5785	105.54	-	-	98.51	34.14	9.6	36.71	250	302	A	H
		5852.42	53.3	-63.38	116.68	46.13	34.2	9.68	36.71	250	302	P	H
		5858.57	51.57	-58.23	109.8	44.37	34.22	9.69	36.71	250	302	P	H
		5887.065	49.96	-46.28	96.24	42.67	34.27	9.73	36.71	250	302	P	H
		5928.065	49.46	-18.74	68.2	42.2	34.19	9.78	36.71	250	302	P	H
802.11ax													H
HE20 Full													H
CH 157		5642.2	47.89	-20.31	68.2	41.99	33.08	9.54	36.72	111	280	P	V
5785MHz		5698.8	48.08	-56.24	104.32	41.55	33.69	9.56	36.72	111	280	P	V
		5706.4	49.7	-57.29	106.99	43.11	33.74	9.57	36.72	111	280	P	V
		5723.6	49.33	-69.68	119.01	42.63	33.84	9.58	36.72	111	280	P	V
	*	5785	112.54	-	-	105.51	34.14	9.6	36.71	111	280	P	V
	*	5785	102.18	-	-	95.15	34.14	9.6	36.71	111	280	A	V
		5851.805	48.73	-69.35	118.08	41.56	34.2	9.68	36.71	111	280	P	V
		5860.62	49.22	-60	109.22	42.02	34.22	9.69	36.71	111	280	P	V
		5881.735	49.47	-50.73	100.2	42.2	34.26	9.72	36.71	111	280	P	V
		5928.885	48.43	-19.77	68.2	41.18	34.18	9.78	36.71	111	280	P	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5825	112.57	-	-	105.44	34.2	9.64	36.71	283	299	P	H
	*	5825	105.41	-	-	98.28	34.2	9.64	36.71	283	299	A	H
		5850.8	74.62	-45.76	120.38	67.45	34.2	9.68	36.71	283	299	P	H
		5856	69.88	-40.64	110.52	62.69	34.21	9.69	36.71	283	299	P	H
		5875.4	60.05	-44.85	104.9	52.8	34.25	9.71	36.71	283	299	P	H
		5926	50.06	-18.14	68.2	42.79	34.2	9.78	36.71	283	299	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	109.59	-	-	102.46	34.2	9.64	36.71	110	277	P	V
5825MHz	*	5825	102.72	-	-	95.59	34.2	9.64	36.71	110	277	A	V
		5851.8	73.1	-45	118.1	65.93	34.2	9.68	36.71	110	277	P	V
		5855	71.46	-39.34	110.8	64.28	34.21	9.68	36.71	110	277	P	V
		5875.8	55.77	-48.84	104.61	48.52	34.25	9.71	36.71	110	277	P	V
		5930	49.27	-18.93	68.2	42.01	34.18	9.79	36.71	110	277	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. 4+3	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	48.01	-25.99	74	53.33	39	13.51	57.83	-	-	P	H
		17235	46.33	-21.87	68.2	51.62	38	16.54	59.83	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		11490	47.84	-26.16	74	53.14	39	13.51	57.81	-	-	P	V
5745MHz		17235	46.57	-21.63	68.2	51.57	38	16.54	59.54	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.88	-27.12	74	52.31	38.79	13.55	57.77	-	-	P	H
		17355	47.25	-20.95	68.2	52.36	38.17	16.61	59.89	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	46.6	-27.4	74	52	38.79	13.55	57.74	-	-	P	V
5785MHz		17355	47.87	-20.33	68.2	52.7	38.17	16.61	59.61	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.73	-27.27	74	52.14	38.7	13.6	57.71	-	-	P	H
		17475	47.68	-20.52	68.2	52.5	38.45	16.69	59.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 165		11650	46.68	-27.32	74	52.06	38.7	13.6	57.68	-	-	P	V
5825MHz		17475	49.41	-18.79	68.2	53.96	38.45	16.69	59.69	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 4+3	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)
		5648.6	51.64	-16.56	68.2	45.72	33.1	9.54	36.72	239	301	P	H
		5692.4	61.35	-38.25	99.6	54.9	33.61	9.56	36.72	239	301	P	H
		5718	67.81	-42.43	110.24	61.15	33.81	9.57	36.72	239	301	P	H
		5724	69.49	-50.43	119.92	62.79	33.84	9.58	36.72	239	301	P	H
	*	5755	107.85	-	-	100.95	34.02	9.59	36.71	239	301	P	H
	*	5755	101.69	-	-	94.79	34.02	9.59	36.71	239	301	A	H
		5851.805	52.61	-65.47	118.08	45.44	34.2	9.68	36.71	239	301	P	H
		5860.005	53.01	-56.39	109.4	45.81	34.22	9.69	36.71	239	301	P	H
		5880.915	51.78	-49.03	100.81	44.51	34.26	9.72	36.71	239	301	P	H
		5944.465	48.89	-19.31	68.2	41.67	34.12	9.81	36.71	239	301	P	H
802.11ax													H
HE40 Full													H
CH 151		5633.6	49.54	-18.66	68.2	43.65	33.07	9.54	36.72	120	278	P	V
5755MHz		5699	59.38	-45.08	104.46	52.85	33.69	9.56	36.72	120	278	P	V
		5715.2	61.94	-47.52	109.46	55.3	33.79	9.57	36.72	120	278	P	V
		5723.2	65.7	-52.4	118.1	59	33.84	9.58	36.72	120	278	P	V
	*	5755	104.96	-	-	98.06	34.02	9.59	36.71	120	278	P	V
	*	5755	99.26	-	-	92.36	34.02	9.59	36.71	120	278	A	V
		5852.83	50.43	-65.32	115.75	43.25	34.21	9.68	36.71	120	278	P	V
		5862.67	50.52	-58.13	108.65	43.31	34.23	9.69	36.71	120	278	P	V
		5885.425	50.59	-46.87	97.46	43.3	34.27	9.73	36.71	120	278	P	V
		5926.63	49.2	-19	68.2	41.94	34.19	9.78	36.71	120	278	P	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5642	49.4	-18.8	68.2	43.5	33.08	9.54	36.72	253	297	P	H
		5691	52.14	-46.42	98.56	45.71	33.59	9.56	36.72	253	297	P	H
		5719	57.5	-53.02	110.52	50.84	33.81	9.57	36.72	253	297	P	H
		5721.8	59.95	-54.95	114.9	53.27	33.83	9.57	36.72	253	297	P	H
	*	5795	110.08	-	-	103	34.18	9.61	36.71	253	297	P	H
	*	5795	102.16	-	-	95.08	34.18	9.61	36.71	253	297	A	H
		5850.37	60.88	-60.48	121.36	53.71	34.2	9.68	36.71	253	297	P	H
		5862.26	57.17	-51.6	108.77	49.97	34.22	9.69	36.71	253	297	P	H
		5874.97	55.31	-49.9	105.21	48.06	34.25	9.71	36.71	253	297	P	H
		5933.805	50.98	-17.22	68.2	43.74	34.16	9.79	36.71	253	297	P	H
802.11ax													H
HE40 Full													H
CH 159		5632	48.09	-20.11	68.2	42.22	33.06	9.53	36.72	121	275	P	V
5795MHz		5694	50.63	-50.15	100.78	44.16	33.63	9.56	36.72	121	275	P	V
		5719.2	54.93	-55.65	110.58	48.26	33.82	9.57	36.72	121	275	P	V
		5724.2	57.47	-62.91	120.38	50.76	33.85	9.58	36.72	121	275	P	V
	*	5795	108.4	-	-	101.32	34.18	9.61	36.71	121	275	P	V
	*	5795	99.79	-	-	92.71	34.18	9.61	36.71	121	275	A	V
		5852.83	59.29	-56.46	115.75	52.11	34.21	9.68	36.71	121	275	P	V
		5862.67	56.62	-52.03	108.65	49.41	34.23	9.69	36.71	121	275	P	V
		5877.43	52.32	-51.07	103.39	45.07	34.25	9.71	36.71	121	275	P	V
		5942.825	49.53	-18.67	68.2	42.31	34.13	9.8	36.71	121	275	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. 4+3	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	46.92	-27.08	74	52.24	38.97	13.52	57.81	-	-	P	H
		17265	47.06	-21.14	68.2	52.35	38	16.55	59.84	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	47.61	-26.39	74	52.91	38.97	13.52	57.79	-	-	P	V
5755MHz		17265	47.39	-20.81	68.2	52.4	38	16.55	59.56	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	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	46.28	-27.72	74	51.74	38.73	13.57	57.76	-	-	P	H
		17385	47.66	-20.54	68.2	52.68	38.26	16.63	59.91	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	46.05	-27.95	74	51.48	38.73	13.57	57.73	-	-	P	V
5795MHz		17385	49.48	-18.72	68.2	54.22	38.26	16.63	59.63	-	-	P	V
		17385	38.38	-15.62	54	43.12	38.26	16.63	59.63	-	-	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.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5649.8	56.49	-11.71	68.2	50.57	33.1	9.54	36.72	250	304	P	H
		5691.2	67.62	-31.09	98.71	61.19	33.59	9.56	36.72	250	304	P	H
		5718.8	70.66	-39.8	110.46	64	33.81	9.57	36.72	250	304	P	H
		5723.4	73.41	-45.14	118.55	66.71	33.84	9.58	36.72	250	304	P	H
	*	5775	107.28	-	-	100.29	34.1	9.6	36.71	250	304	P	H
	*	5775	100.01	-	-	93.02	34.1	9.6	36.71	250	304	A	H
		5852.83	73.78	-41.97	115.75	66.6	34.21	9.68	36.71	250	304	P	H
		5861.645	72.32	-36.62	108.94	65.12	34.22	9.69	36.71	250	304	P	H
		5882.145	63.83	-36.06	99.89	56.56	34.26	9.72	36.71	250	304	P	H
		5930.935	52.82	-15.38	68.2	45.56	34.18	9.79	36.71	250	304	P	H
802.11ax													H
HE80 Full													H
CH 155		5645	51.9	-16.3	68.2	45.99	33.09	9.54	36.72	127	267	P	V
5775MHz		5694.4	61.95	-39.12	101.07	55.48	33.63	9.56	36.72	127	267	P	V
		5718.6	66.47	-43.94	110.41	59.81	33.81	9.57	36.72	127	267	P	V
		5723.6	68.4	-50.61	119.01	61.7	33.84	9.58	36.72	127	267	P	V
	*	5775	102.59	-	-	95.6	34.1	9.6	36.71	127	267	P	V
	*	5775	95.57	-	-	88.58	34.1	9.6	36.71	127	267	A	V
		5853.445	69.78	-44.56	114.34	62.6	34.21	9.68	36.71	127	267	P	V
		5855.085	68.71	-42.07	110.78	61.53	34.21	9.68	36.71	127	267	P	V
		5881.94	60.08	-39.97	100.05	52.81	34.26	9.72	36.71	127	267	P	V
		5925.195	49.82	-18.38	68.2	42.55	34.2	9.78	36.71	127	267	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. 4+3	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	46.86	-27.14	74	52.25	38.85	13.54	57.78	-	-	P	H
		17325	45.92	-22.28	68.2	51.12	38.08	16.6	59.88	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	47.21	-26.79	74	52.58	38.85	13.54	57.76	-	-	P	V
5775MHz		17325	46.84	-21.36	68.2	51.76	38.08	16.6	59.6	-	-	P	V
													V
													V
													V
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													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 HE80 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.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full SHF		39560	49.22	-24.78	74	61.23	44.65	-0.42	56.24	-	-	P	H
		39560	39.27	-14.73	54	51.28	44.65	-0.42	56.24	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		40000	50.08	-23.92	74	61.44	44.5	-0.06	55.8	-	-	P	V
		40000	40.12	-13.88	54	51.48	44.5	-0.06	55.8	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11ax HE80 Full (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.	
4+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full LF		30	32.57	-7.43	40	40.1	24.3	0.64	32.47	-	-	P	H
		165.8	27.46	-16.04	43.5	42.35	15.94	1.63	32.46	-	-	P	H
		402.48	22.71	-23.29	46	31.1	21.72	2.37	32.48	-	-	P	H
		565.44	26.5	-19.5	46	30.04	26.05	2.91	32.5	-	-	P	H
		715.79	24.61	-21.39	46	27.12	26.63	3.22	32.36	400	288	Q	H
		903	37.36	-8.64	46	36.31	28.84	3.7	31.49	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	33.62	-6.38	40	41.15	24.3	0.64	32.47	-	-	P	V
		91.11	23.78	-19.72	43.5	40.34	14.72	1.18	32.46	-	-	P	V
		407.33	22.29	-23.71	46	30.52	21.86	2.38	32.47	-	-	P	V
		577.08	27.64	-18.36	46	31.49	25.73	2.93	32.51	-	-	P	V
		714.82	27.32	-18.68	46	29.87	26.59	3.22	32.36	100	279	Q	V
		903	25.77	-20.23	46	24.72	28.84	3.7	31.49	234	159	Q	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

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

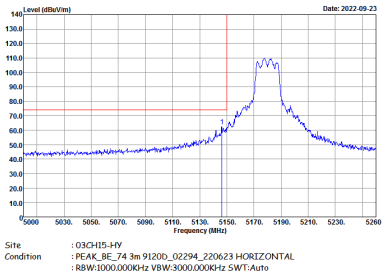
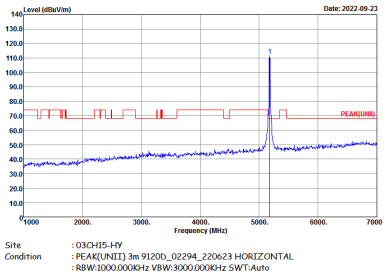
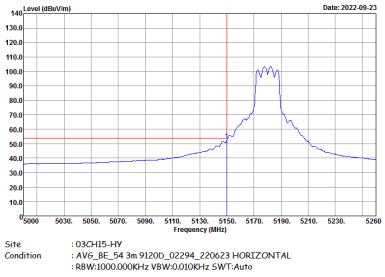
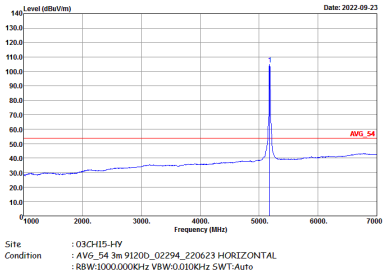
Test Engineer :	Leo Li, Bigshow Wang and Quentin Liu	**Temperature :**	21.1~23.1°C
		Relative Humidity :	49~58%

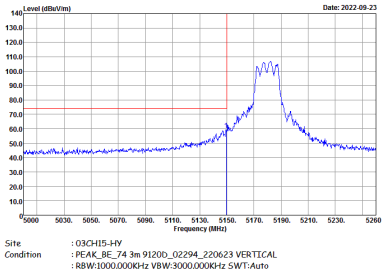
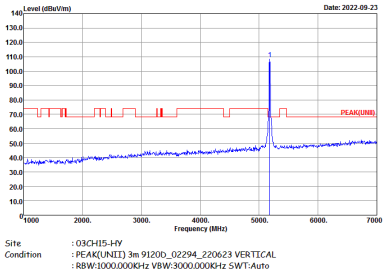
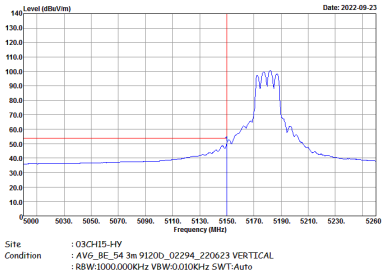
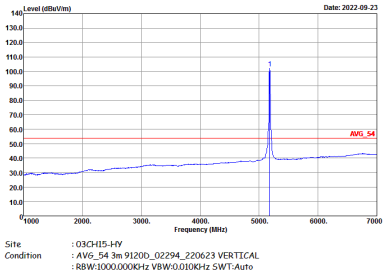
Note symbol

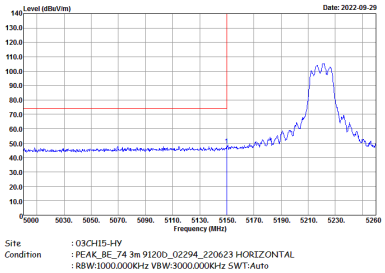
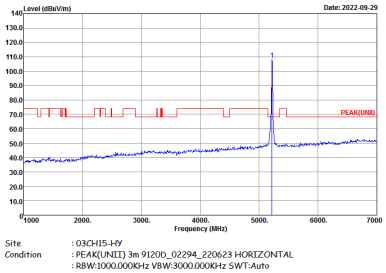
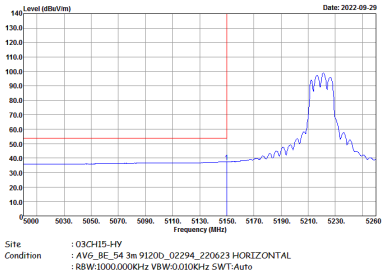
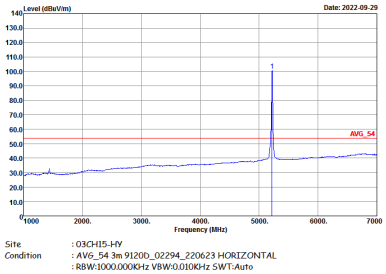
-L	**Low channel location**
-R	**High channel location**

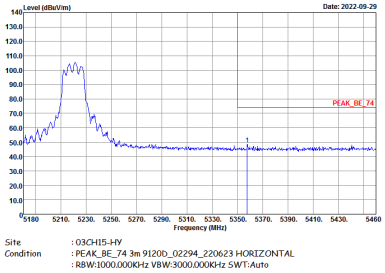
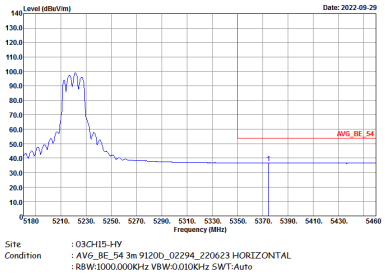
Band 1 - 5150~5250MHz

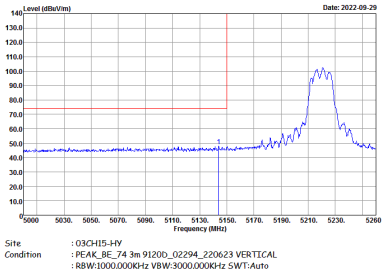
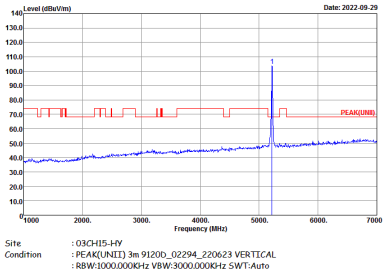
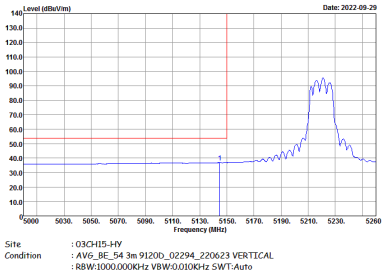
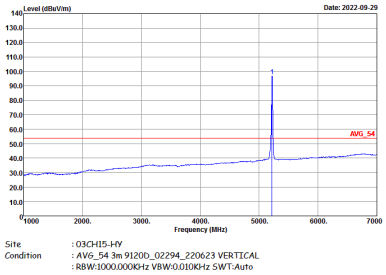
WIFI 802.11a (Band Edge @ 3m)

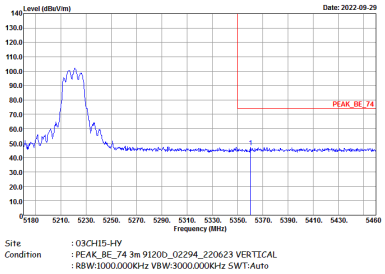
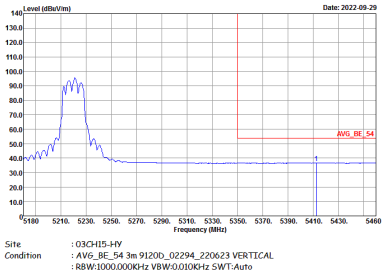
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

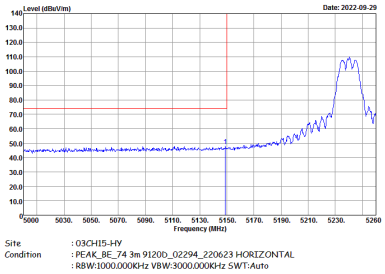
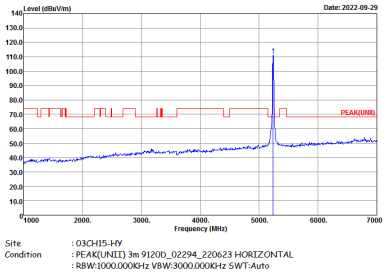
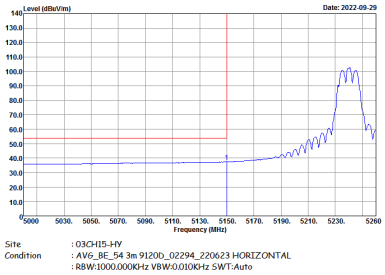
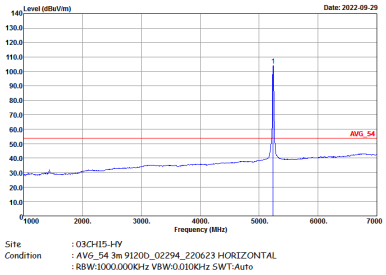
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

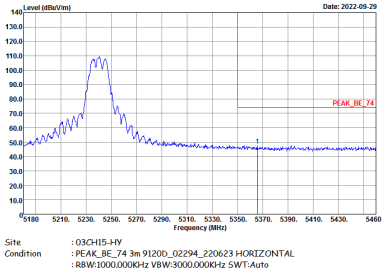
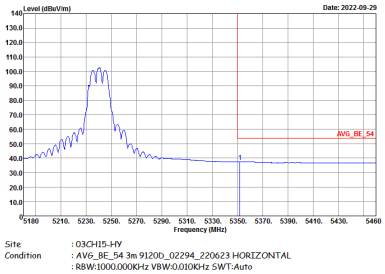
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		

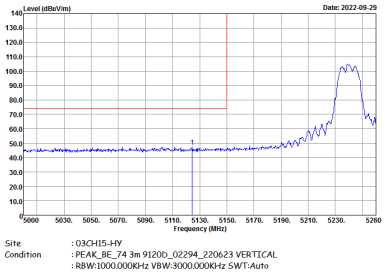
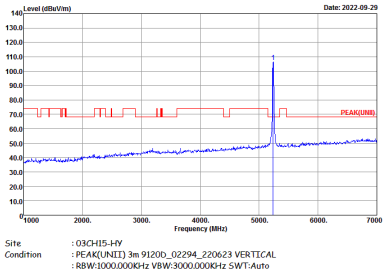
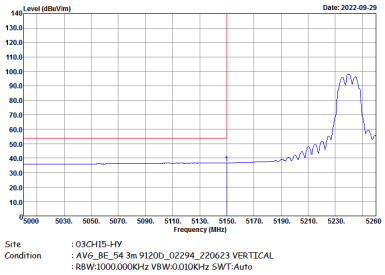
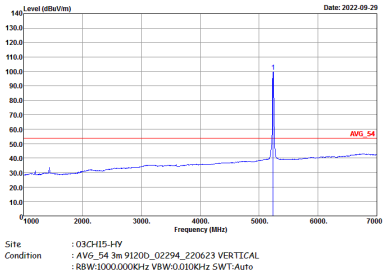
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

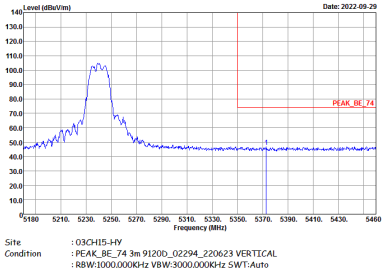
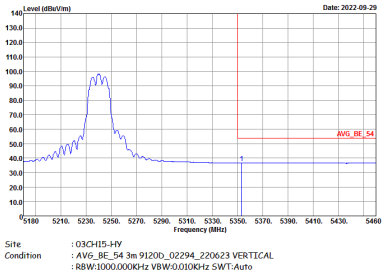
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

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

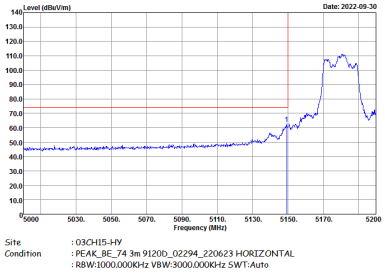
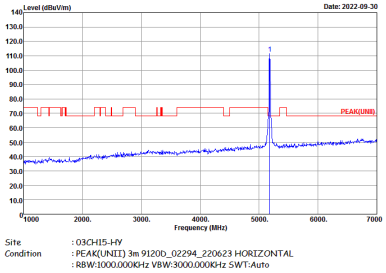
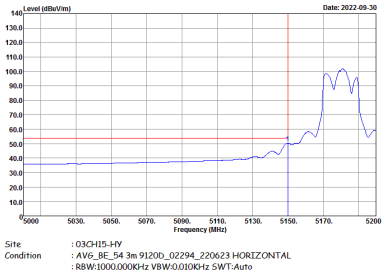
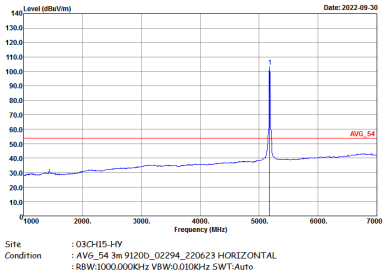
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		

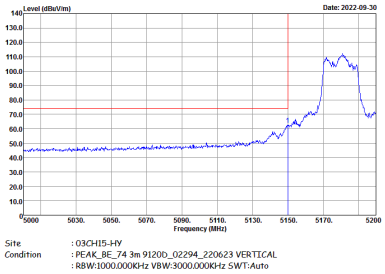
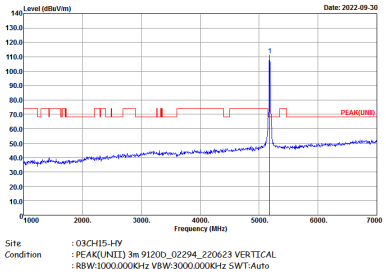
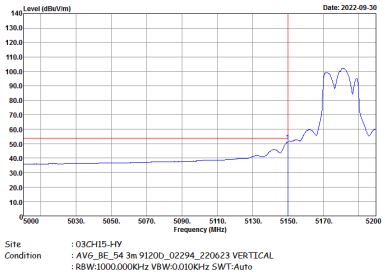
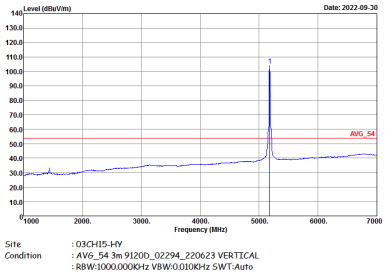
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

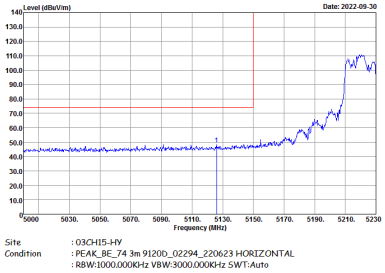
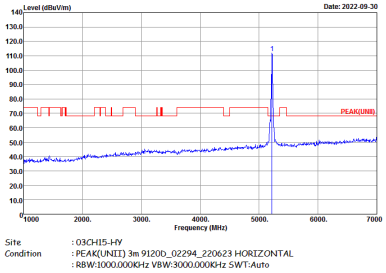
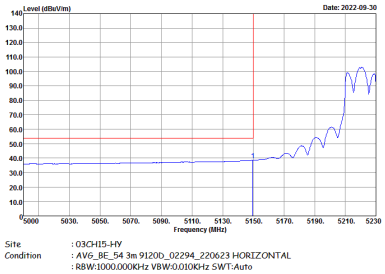
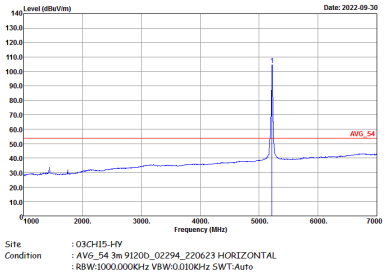
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

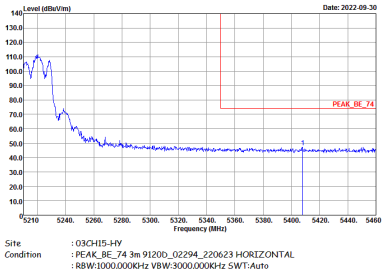
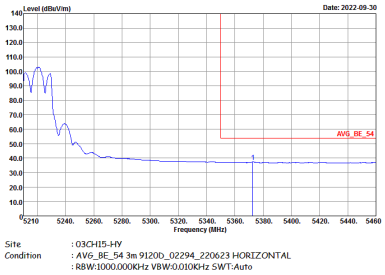
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

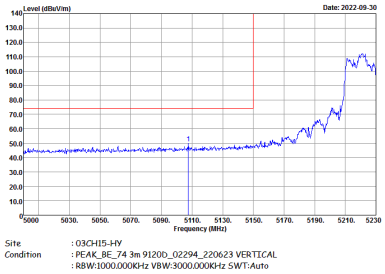
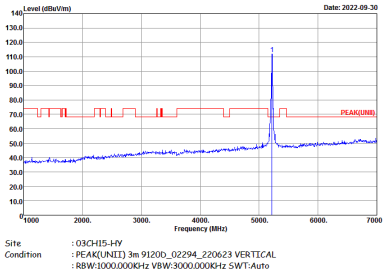
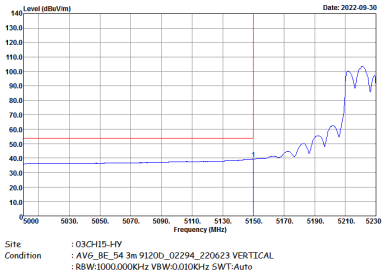
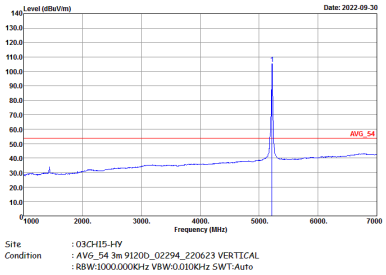
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

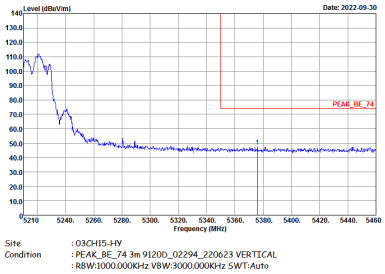
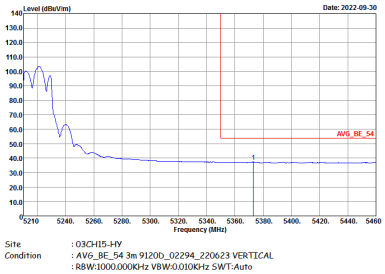
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

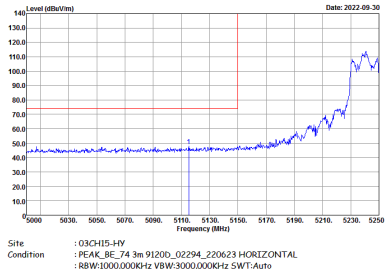
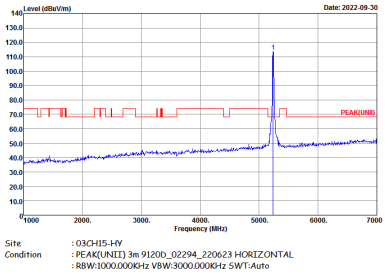
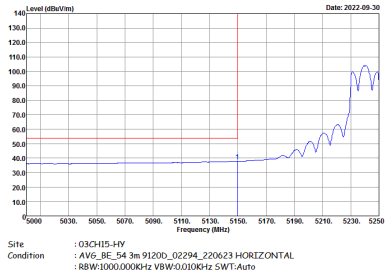
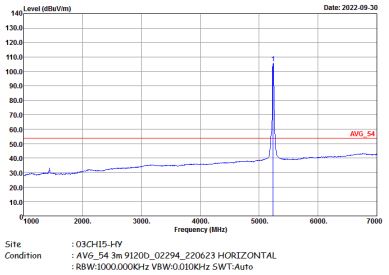
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

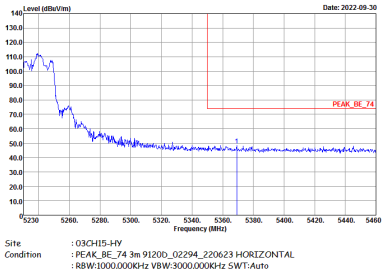
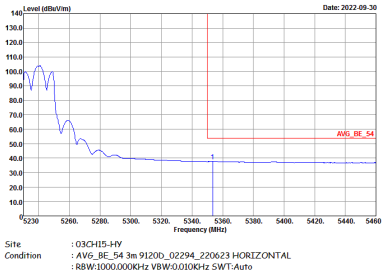
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		

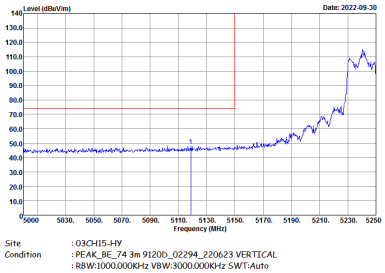
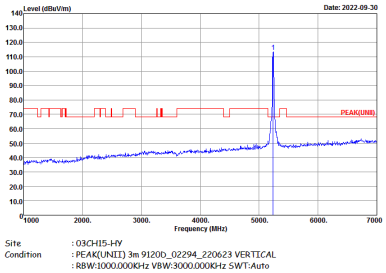
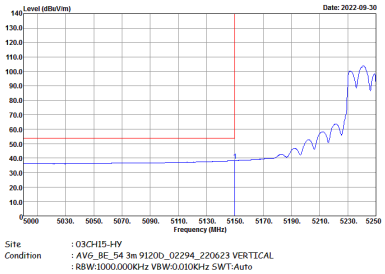
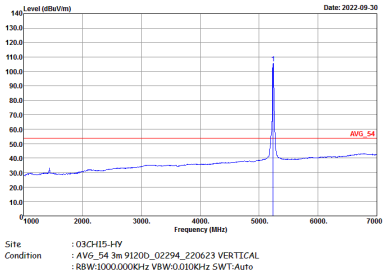
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

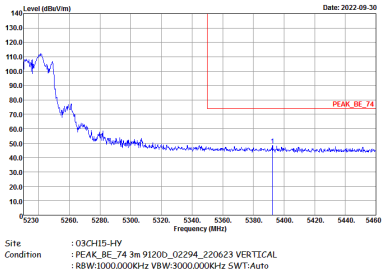
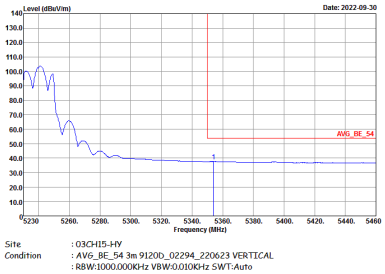
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

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

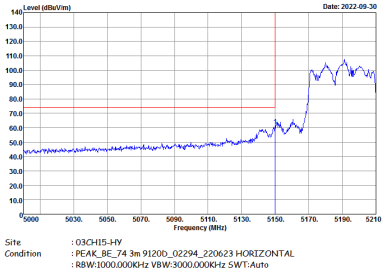
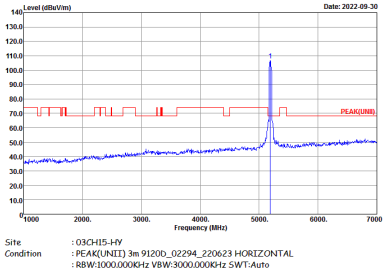
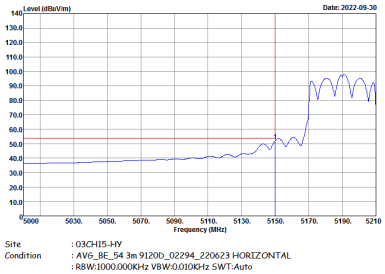
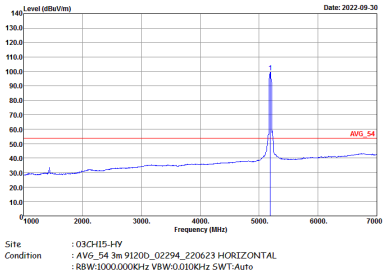
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		

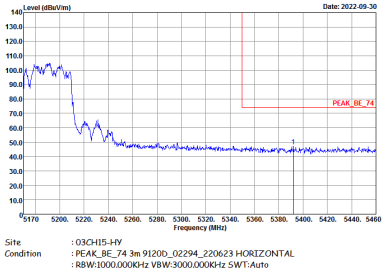
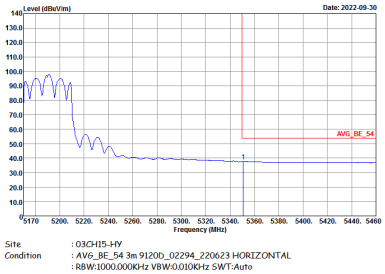
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

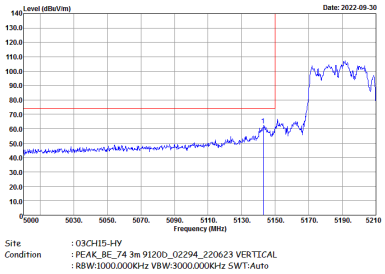
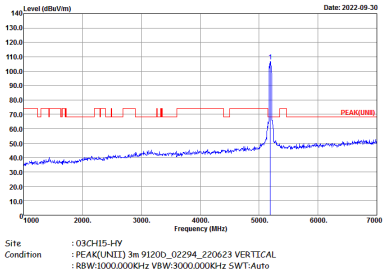
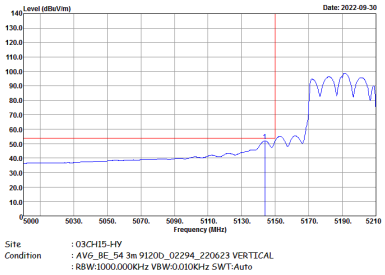
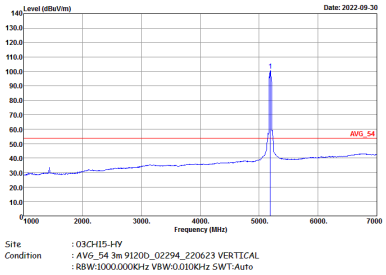
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

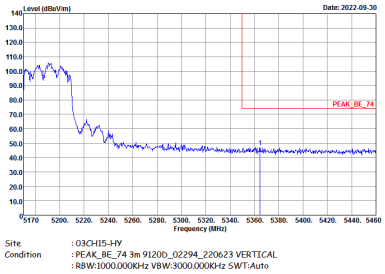
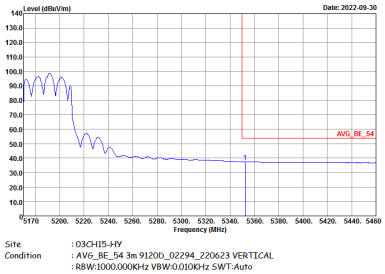
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

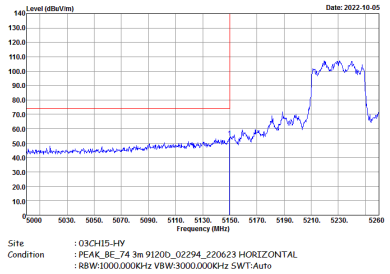
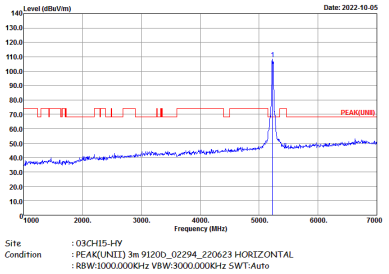
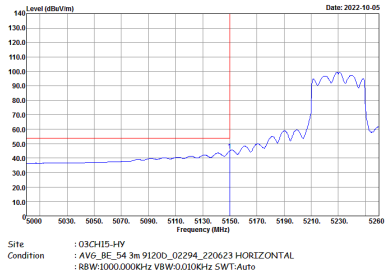
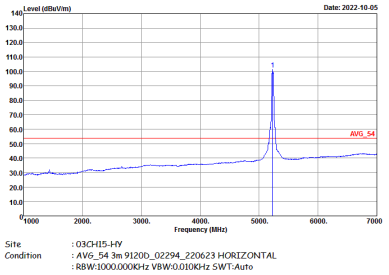
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

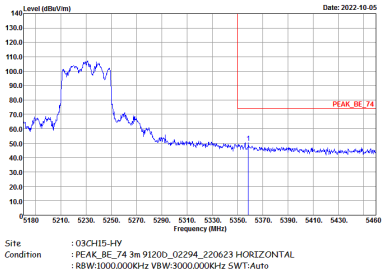
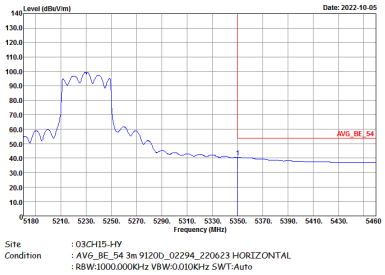
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		

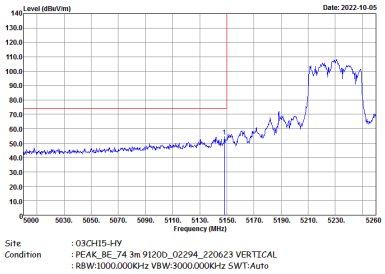
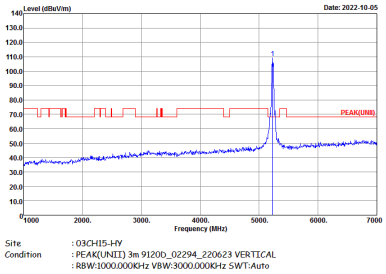
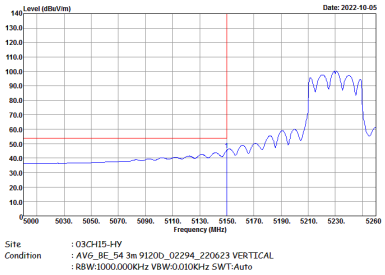
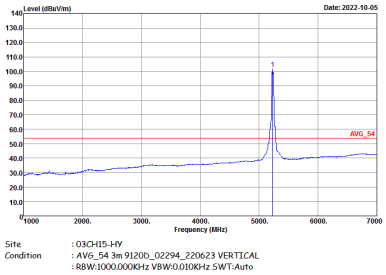
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

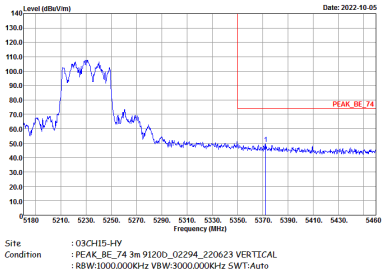
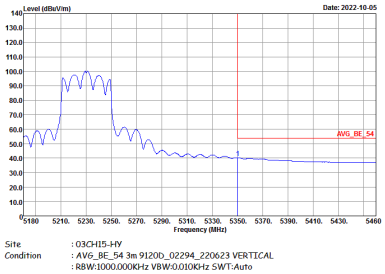
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

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

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

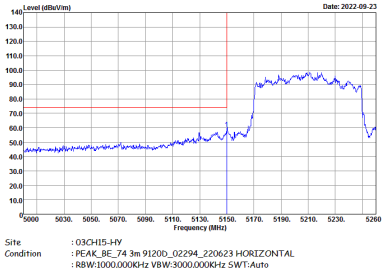
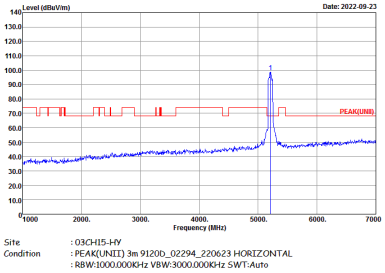
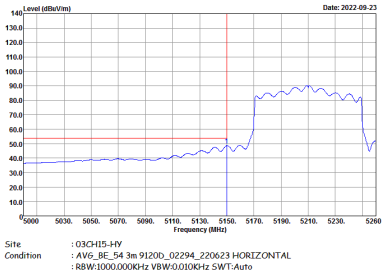
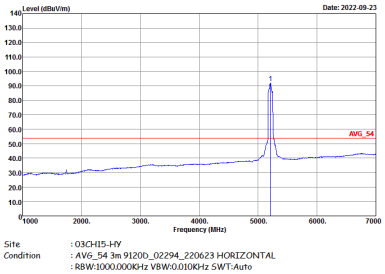
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

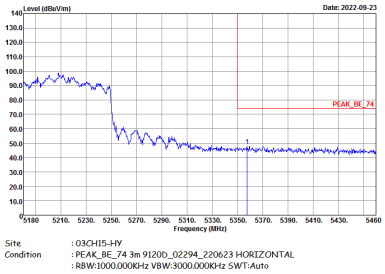
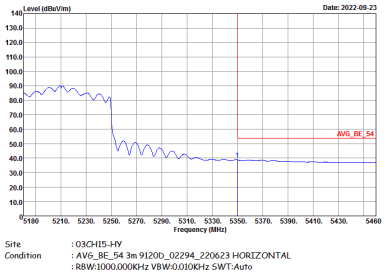
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

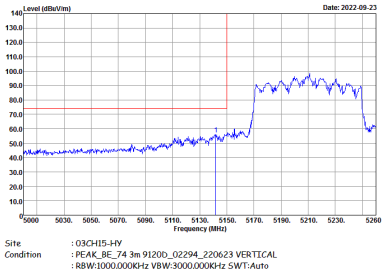
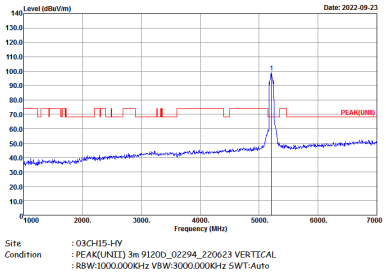
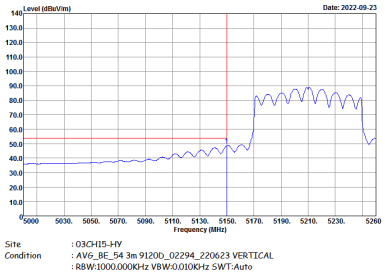
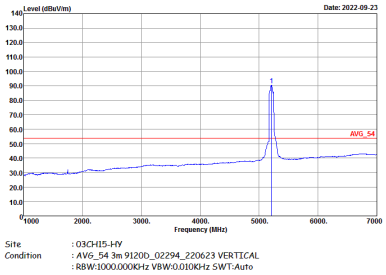
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

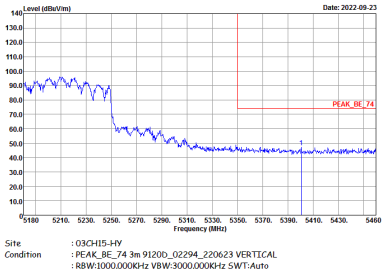
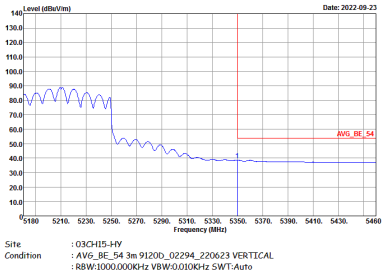
Band 1 5150~5250MHz

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

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

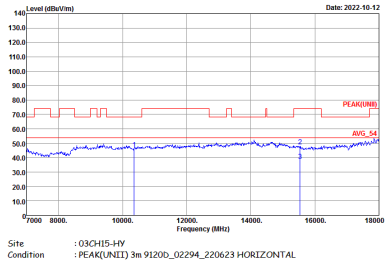
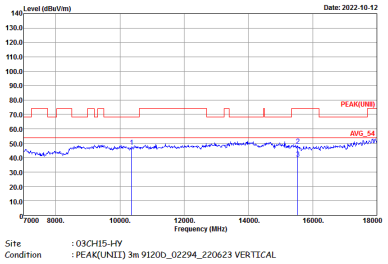
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

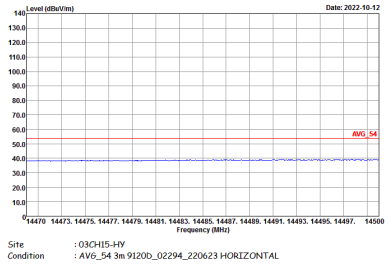
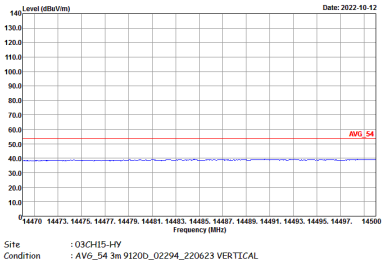
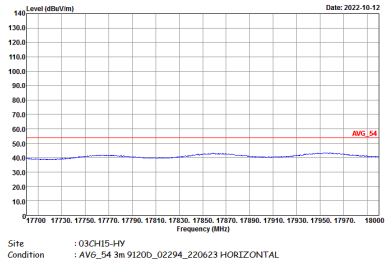
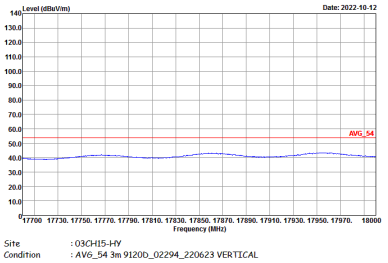
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

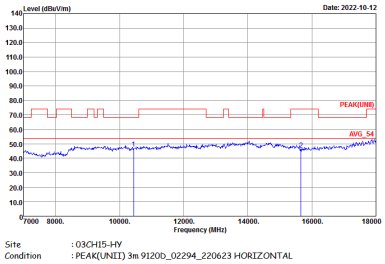
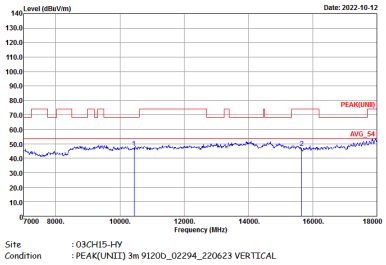
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

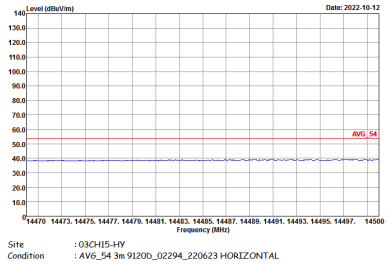
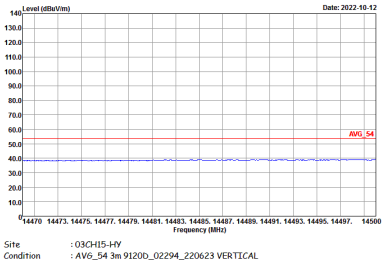
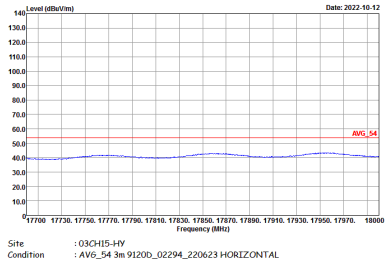
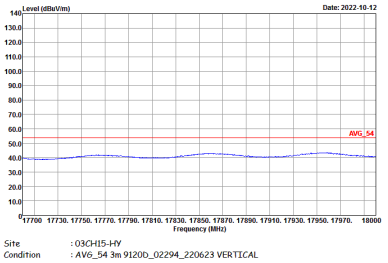
Band 1 - 5150~5250MHz

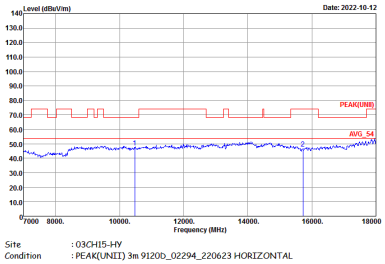
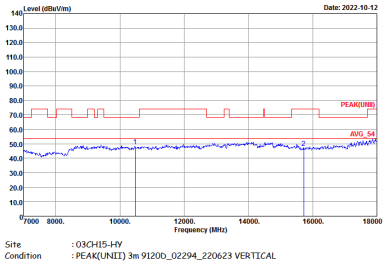
WIFI 802.11a (Harmonic @ 3m)

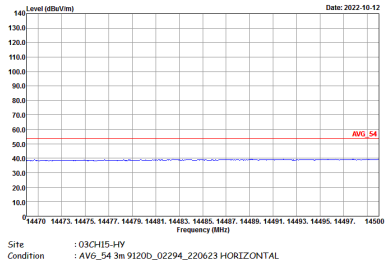
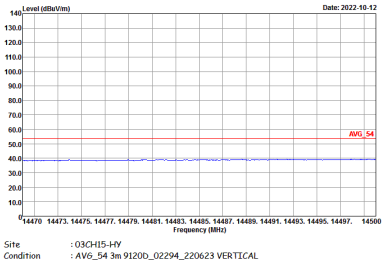
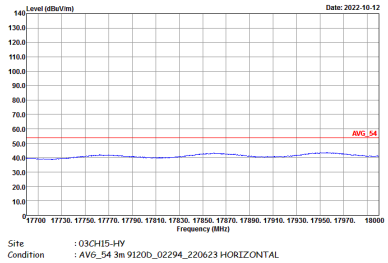
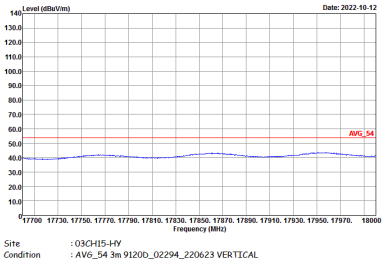
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.		

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

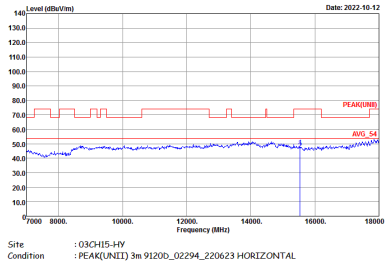
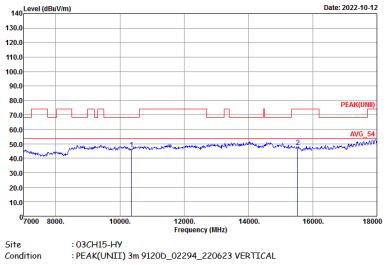
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.		

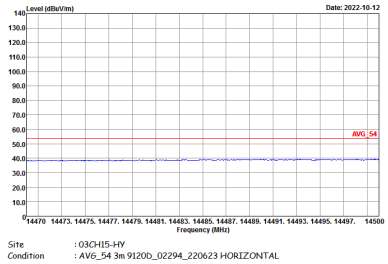
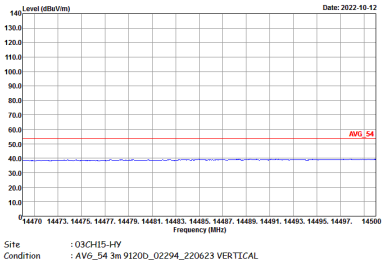
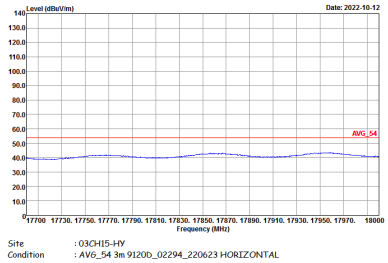
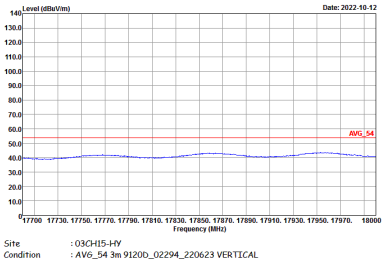
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

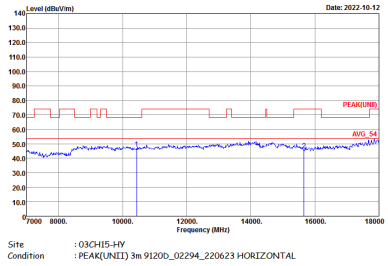
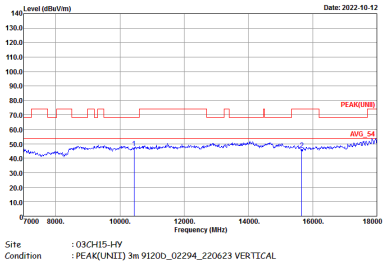
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.		

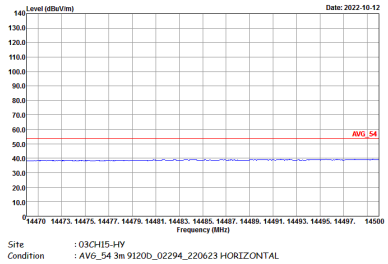
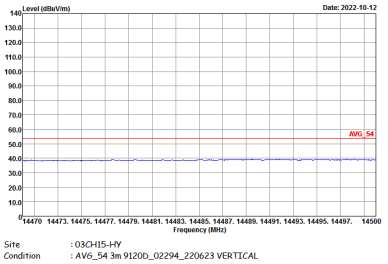
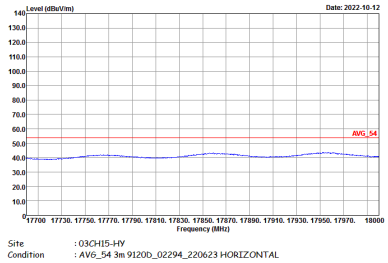
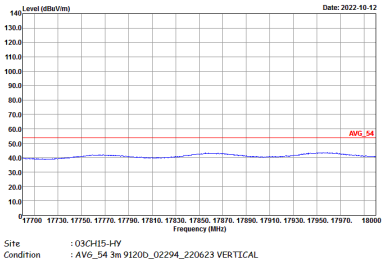
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

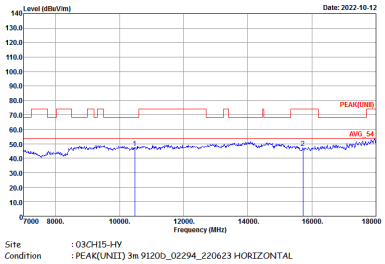
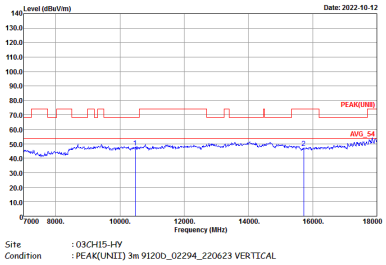
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

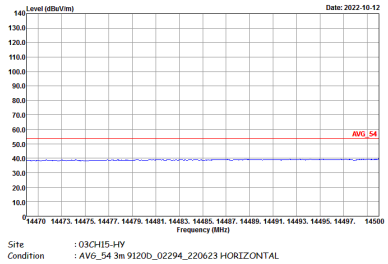
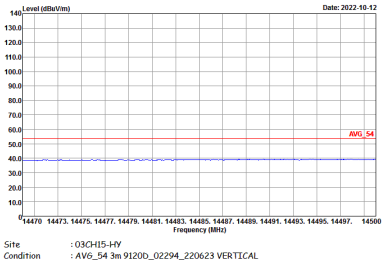
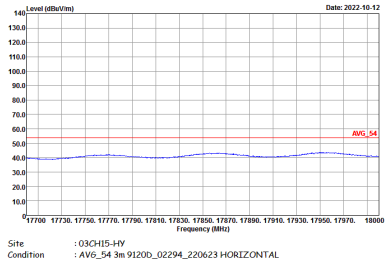
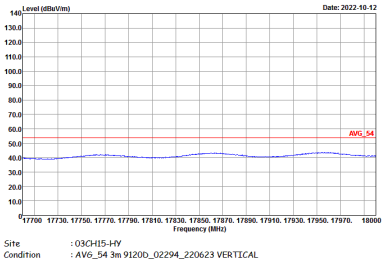
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.		

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.		

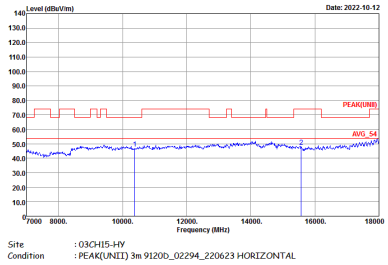
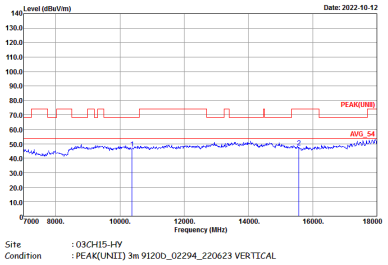
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

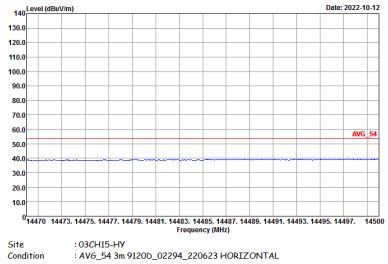
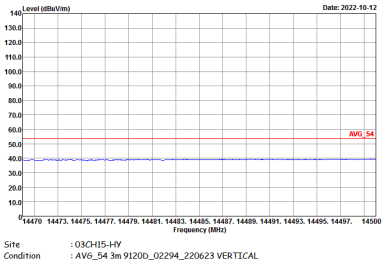
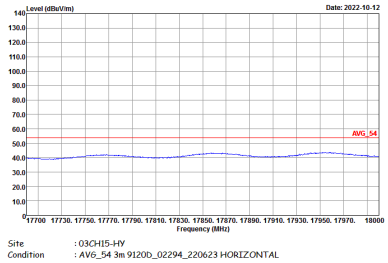
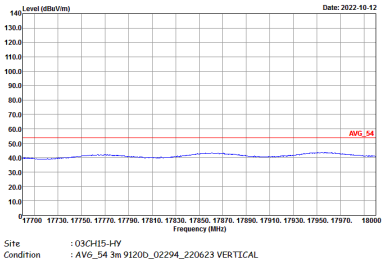
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.		

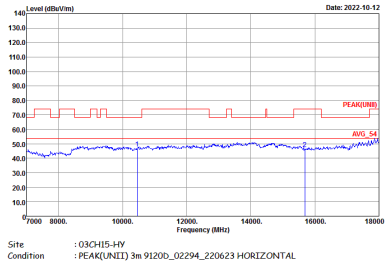
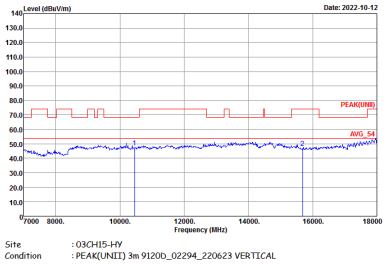
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

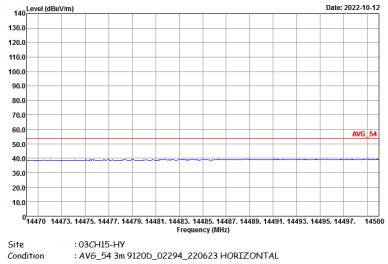
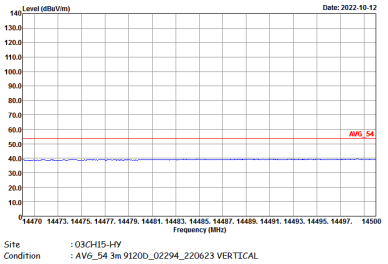
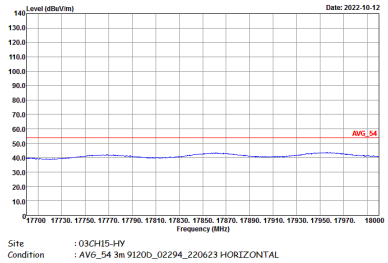
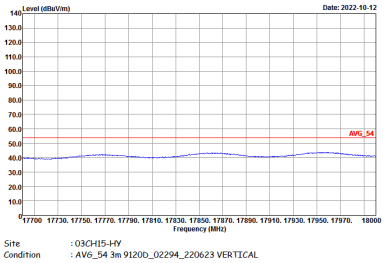
Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
4+3	Horizontal	Vertical
Peak Avg.		

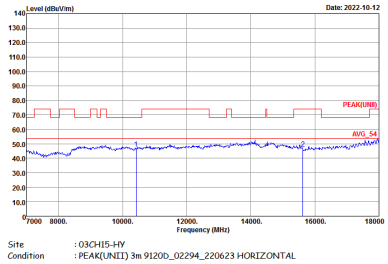
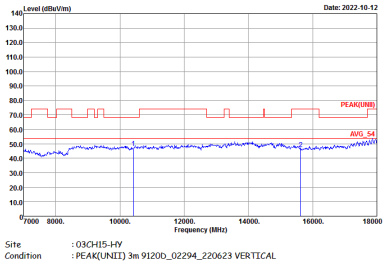
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

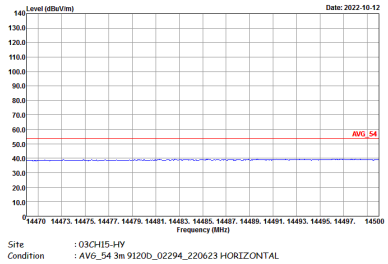
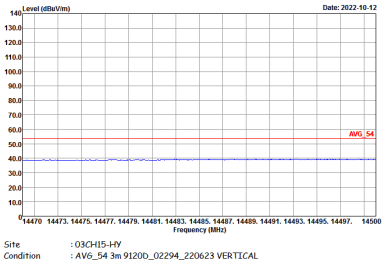
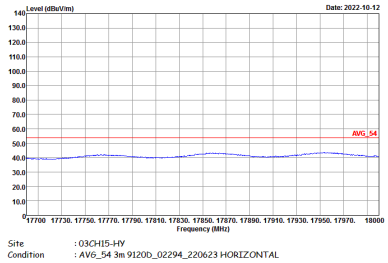
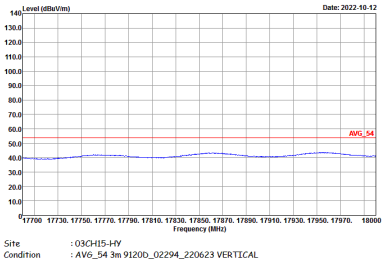
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

Band 1 5150~5250MHz

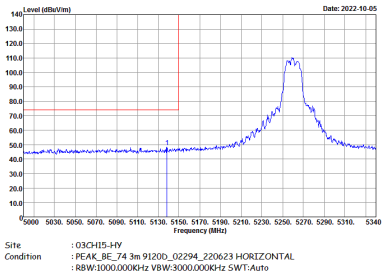
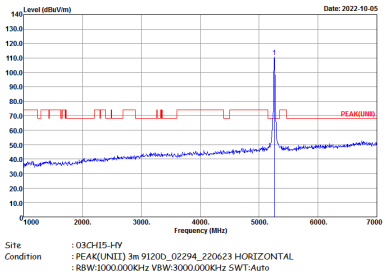
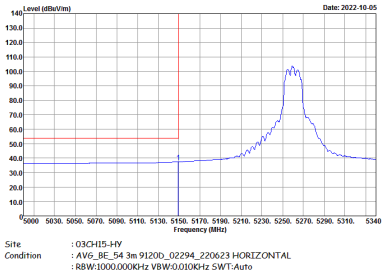
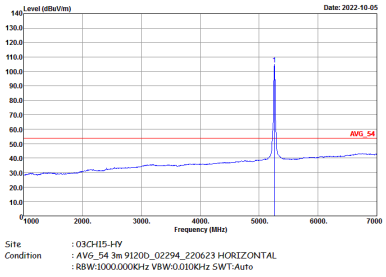
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

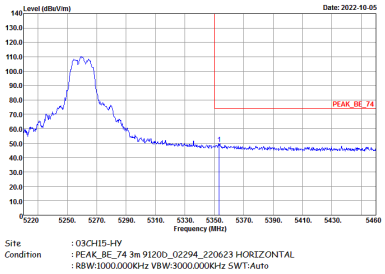
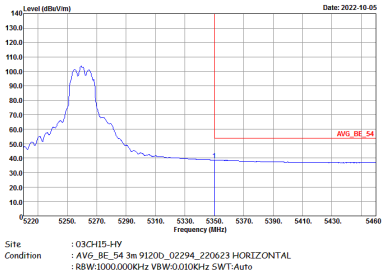
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
4+3	Horizontal	Vertical
Peak Avg.		

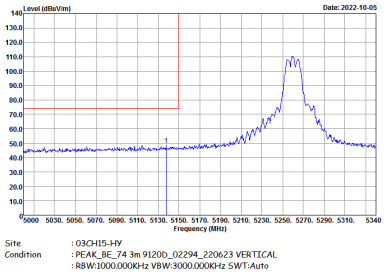
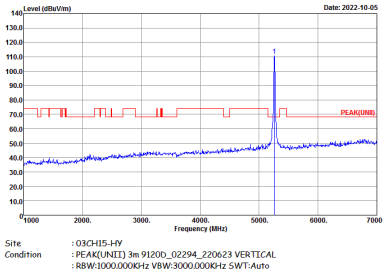
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.