FCC RADIO TEST REPORT

FCC ID	**:**	**A4RGWKK3**
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. 05, 2022 and testing was performed from Sep. 02, 2022 to Oct. 11, 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
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FR280208-01E	01	Initial issue of report	Dec. 02, 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	1.73 dB under the limit at 5467.120 MHz
3.5	15.207	AC Conducted Emission	Pass	17.01 dB under the limit at 1.456 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	A4RGWKK3
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**
27211FQHN00170	RF Conducted Measurement
28251FQHN00017	Radiated Spurious Emission
28251FQHN00005	Conducted Emission

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz 5745 MHz ~ 5825 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 4+3>** 802.11a: 21.76 dBm / 0.1500 W 802.11n HT20: 21.51 dBm / 0.1416 W 802.11n HT40: 20.42 dBm / 0.1102 W 802.11ac VHT20: 21.61 dBm / 0.1449 W 802.11ac VHT40: 20.52 dBm / 0.1127 W 802.11ac VHT80: 18.72 dBm / 0.0745 W 802.11ax HE20: 21.71 dBm / 0.1483 W 802.11ax HE40: 20.62 dBm / 0.1153 W 802.11ax HE80: 18.82 dBm / 0.0762 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 4+3>** 802.11a: 21.31 dBm / 0.1352 W 802.11n HT20: 21.21 dBm / 0.1321 W 802.11n HT40: 20.51 dBm / 0.1125 W 802.11ac VHT20: 21.31 dBm / 0.1352 W 802.11ac VHT40: 20.61 dBm / 0.1151 W 802.11ac VHT80: 17.72 dBm / 0.0592 W 802.11ax HE20: 21.41 dBm / 0.1384 W 802.11ax HE40: 20.71 dBm / 0.1178 W 802.11ax HE80: 17.82 dBm / 0.0605 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 4+3>** 802.11a: 21.06 dBm / 0.1276 W 802.11n HT20: 21.51 dBm / 0.1416 W 802.11n HT40: 20.66 dBm / 0.1164 W 802.11ac VHT20: 21.61 dBm / 0.1449 W 802.11ac VHT40: 20.76 dBm / 0.1191 W 802.11ac VHT80: 19.61 dBm / 0.0914 W 802.11ax HE20: 21.71 dBm / 0.1483 W 802.11ax HE40: 20.86 dBm / 0.1219 W 802.11ax HE80: 19.71 dBm / 0.0935 W **<5745 MHz ~ 5825 MHz>** **MIMO <Ant. 4+3>** 802.11a: 21.86 dBm / 0.1535 W 802.11n HT20: 21.66 dBm / 0.1466 W 802.11n HT40: 20.66 dBm / 0.1164 W 802.11ac VHT20: 21.76 dBm / 0.1500 W 802.11ac VHT40: 20.76 dBm / 0.1191 W 802.11ac VHT80: 19.76 dBm / 0.0946 W 802.11ax HE20: 21.86 dBm / 0.1535 W 802.11ax HE40: 20.86 dBm / 0.1219 W 802.11ax HE80: 19.86 dBm / 0.0968 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: 16.48 MHz
802.11ax HE20: 19.08 MHz
802.11ax HE40: 37.86 MHz
802.11ax HE80: 76.96 MHz
MIMO <Ant. 3>
802.11a: 16.53 MHz
802.11ax HE20: 19.08 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>: -3.7 dBi
<Ant. 3>: -3.3 dBi
<5260 MHz ~ 5320 MHz>
<Ant. 4>: -2.0 dBi
<Ant. 3>: -3.0 dBi
<5500 MHz ~ 5720 MHz>
<Ant. 4>: 0.1 dBi
<Ant. 3>: -1.1 dBi
<5745 MHz ~ 5825 MHz>
<Ant. 4>: 1.2 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>802.11 a/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	-3.70	-3.30	-3.30	-0.49	0.00	0.00
Band II	-2.00	-3.00	-2.00	0.52	0.00	0.00
Band III	0.10	-1.10	0.10	2.53	0.00	0.00
Band IV	1.20	-0.70	1.20	3.31	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT1}= -3.7dBi; G_{ANT2}=-3.3dBi

Directional gain of power measurement = max(-3.7, -3.3) + 0 = -3.3 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (-3.7 dBi / 20) + 10^ (-3.3 dBi / 20)] ^ 2 } / 2 }

= -0.49 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. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH16-HY

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

FCC designation No.: TW3786

1.5 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.

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) Mode 2 : WCDMA Band II Idle + WLAN (5GHz) Idle + Bluetooth Link + USB Cable 2 (Charging from AC Adapter 1)

Remark:
1. The worst case of Conducted Emission is mode 2; only the test data of it was reported.
2. For Radiated Test Cases, the tests were performed with Adapter 1and USB Cable 2.
3. 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

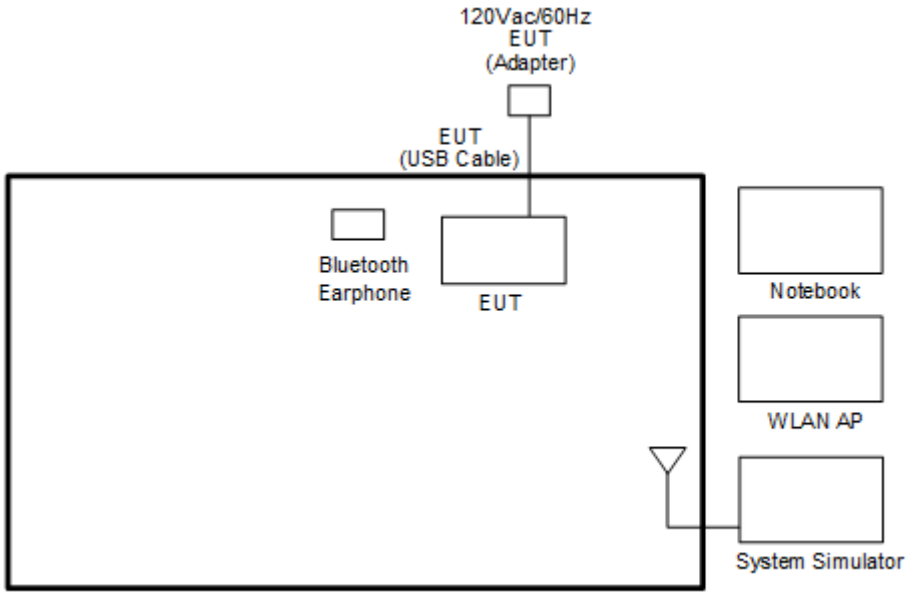
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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	-

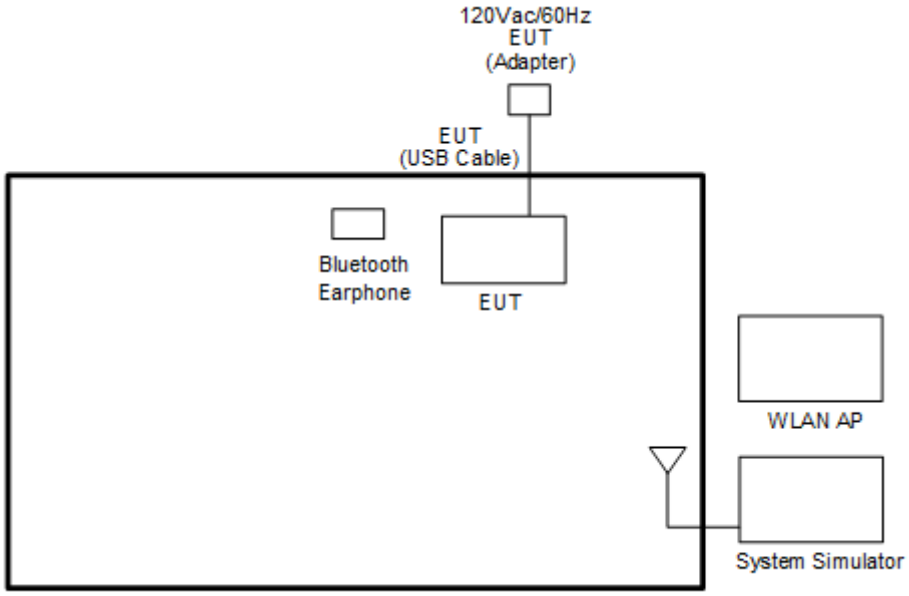
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

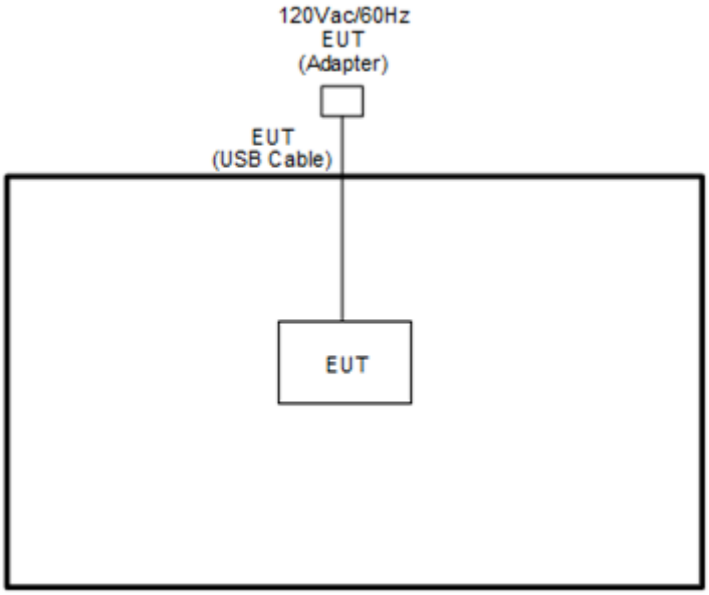
<AC Conducted Emission for WLAN Link Mode>



<AC Conducted Emission for WLAN Idle 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	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Kinyo	BTE-3622	N/A	N/A	N/A
3.	WLAN AP	D-Link	RT-AC52	N/A	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	P79G	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 “QRCT 4.0.00195.0” 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.

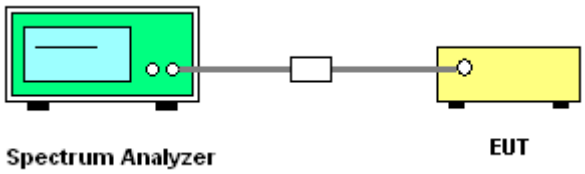
3.1.2 Measuring Instruments

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

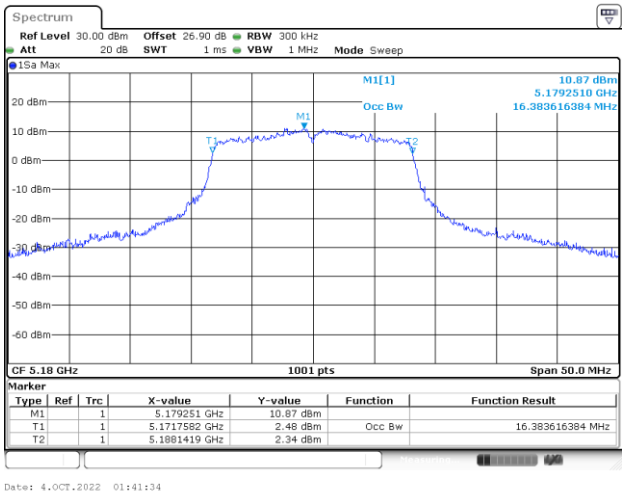
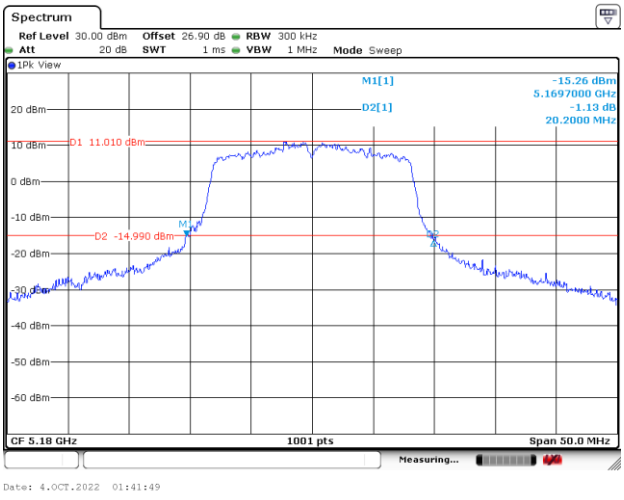
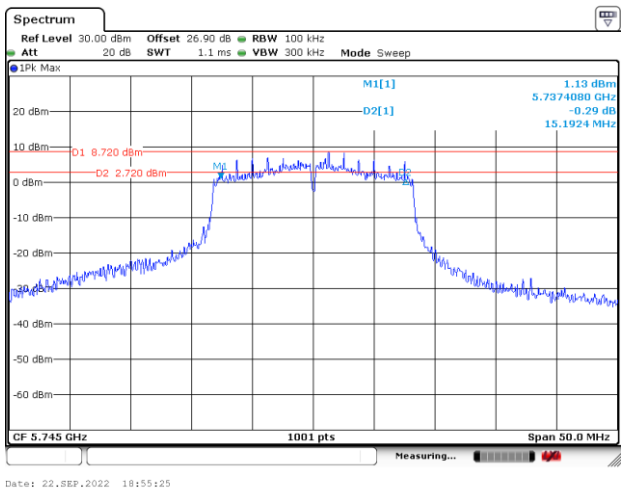


3.1.5 Test Result of Emission Bandwidth and 99% Occupied Bandwidth

Please refer to Appendix A.

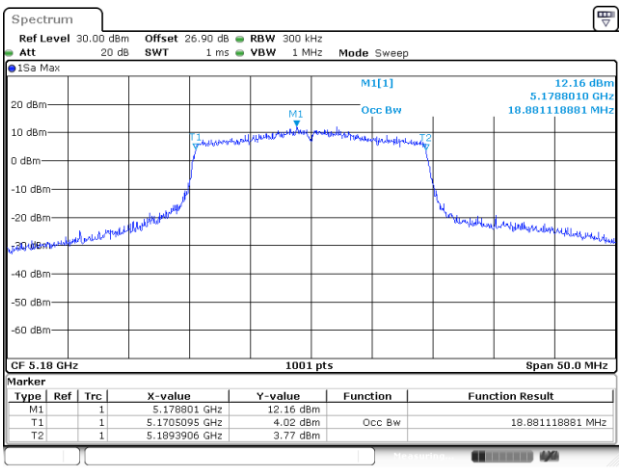
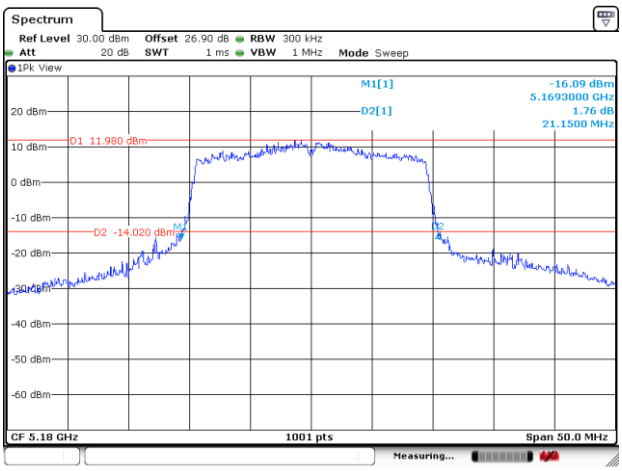
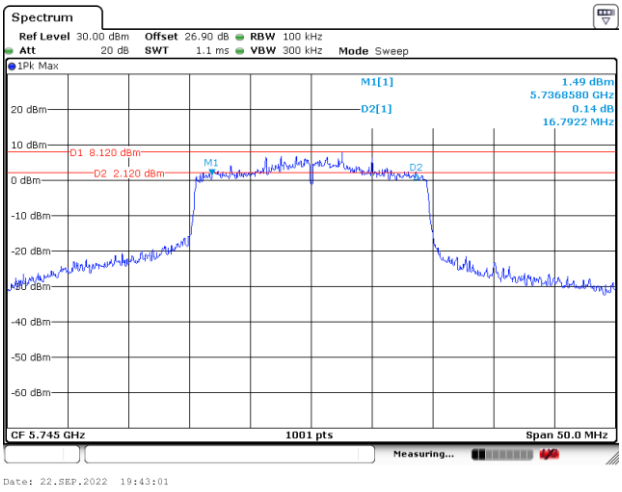
MIMO <Ant. 4+3>

<802.11a>

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

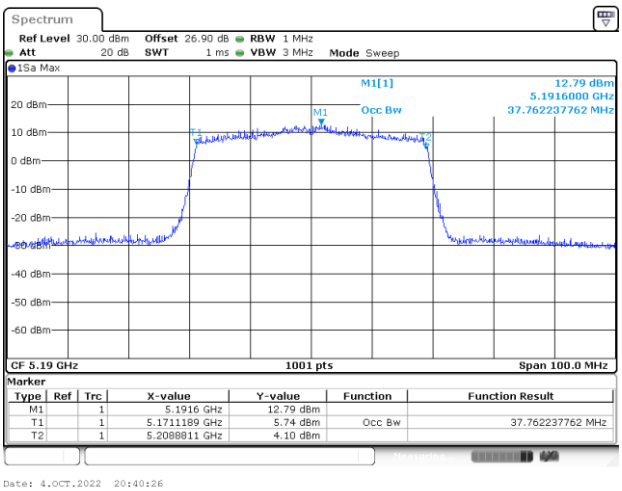
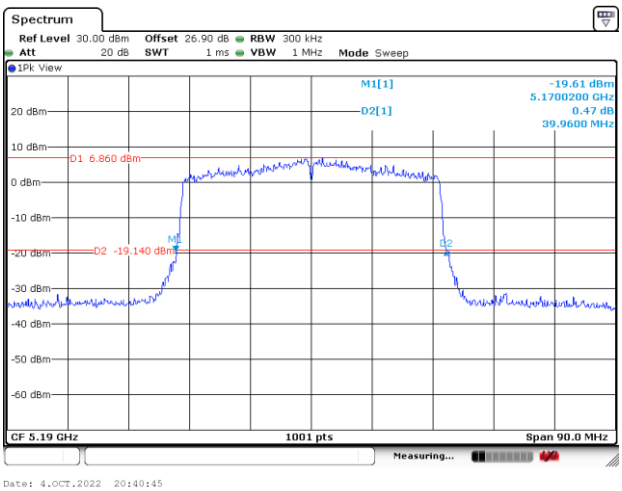
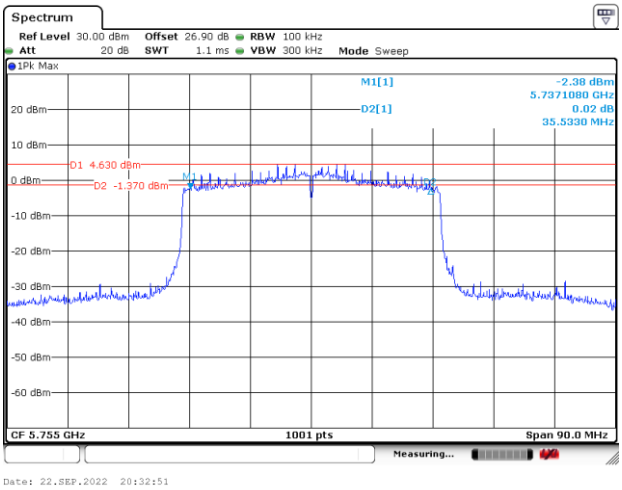
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

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

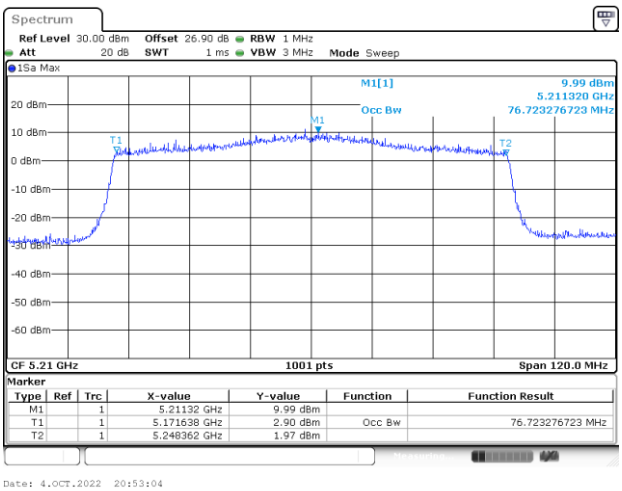
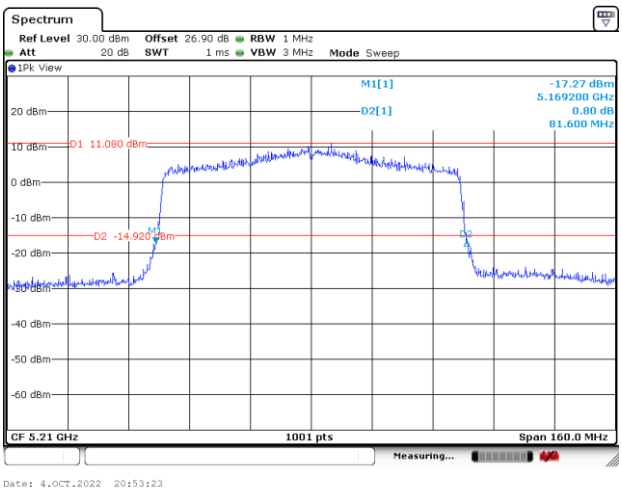
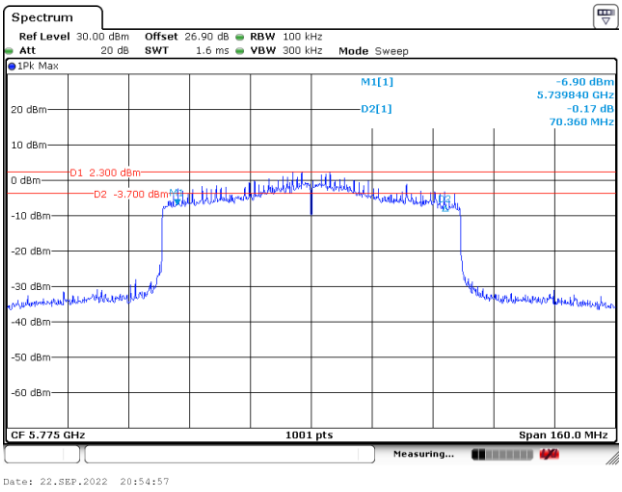
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<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

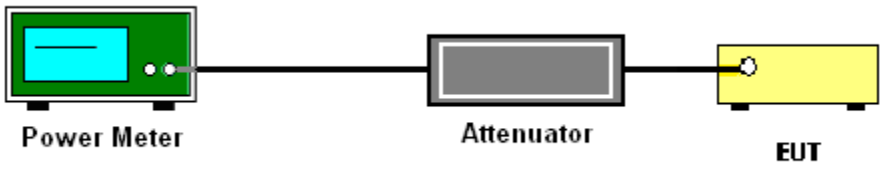
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

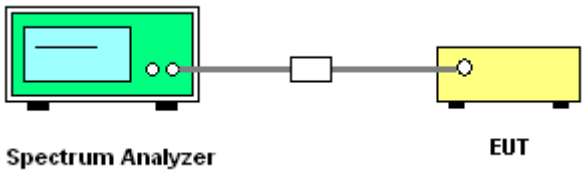
  Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

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

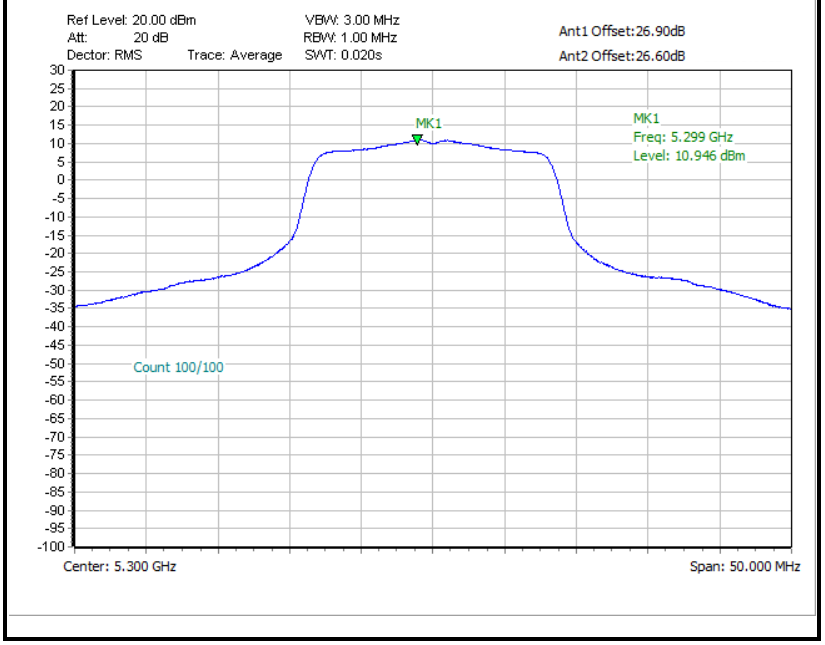


3.3.5 Test Result of Power Spectral Density

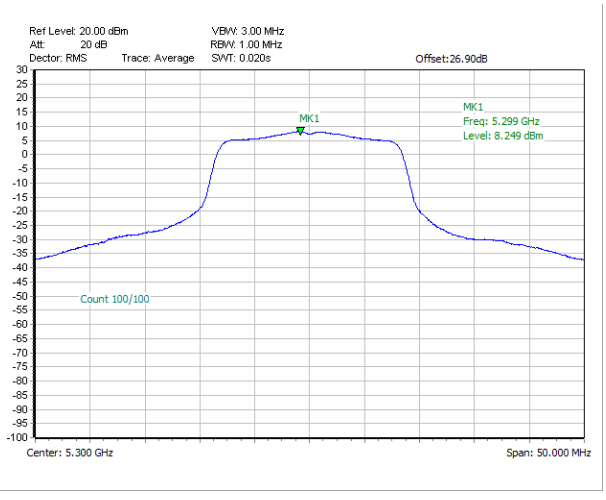
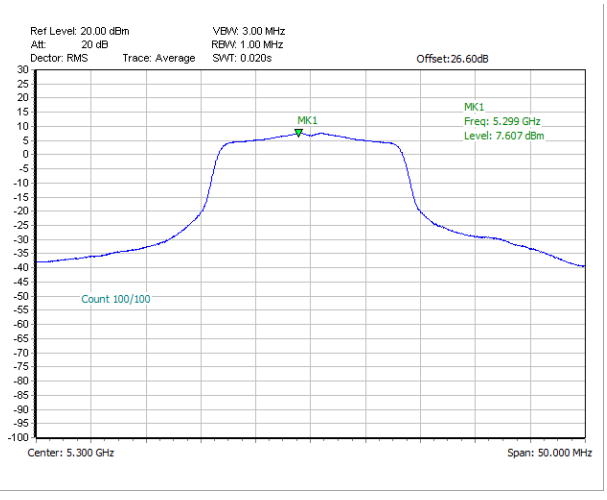
Please refer to Appendix A.

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

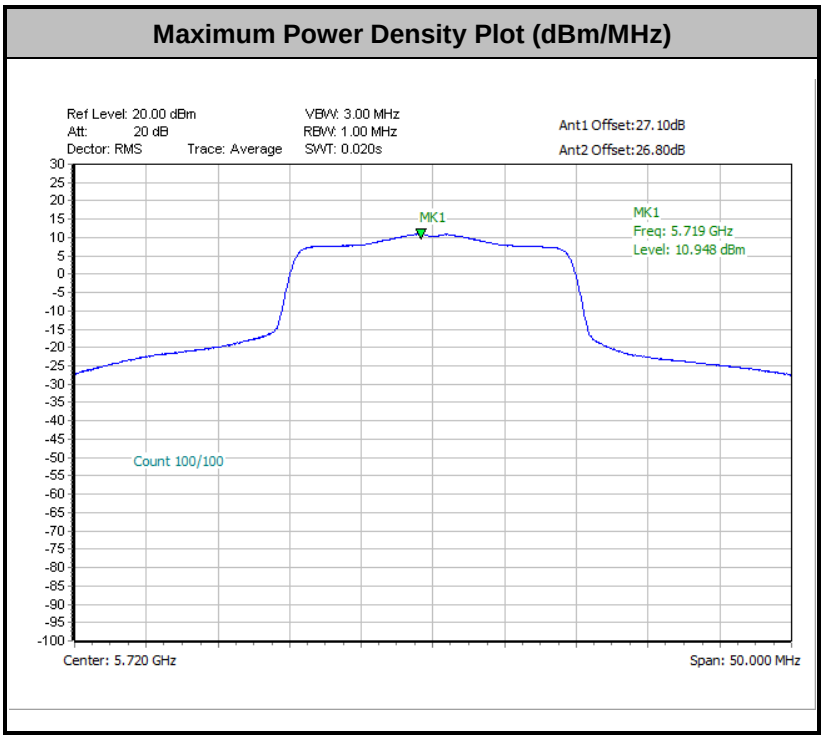
<802.11a>

Maximum Power Density Plot (dBm/MHz)


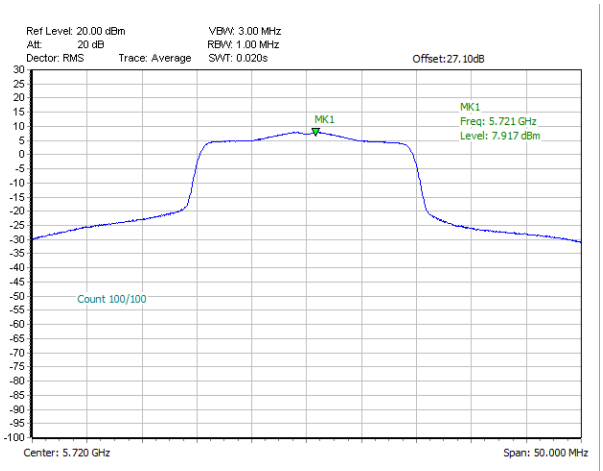
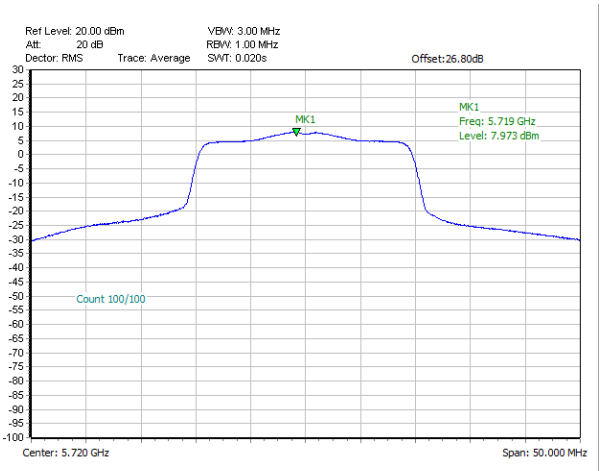
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

<802.11ax HE20>

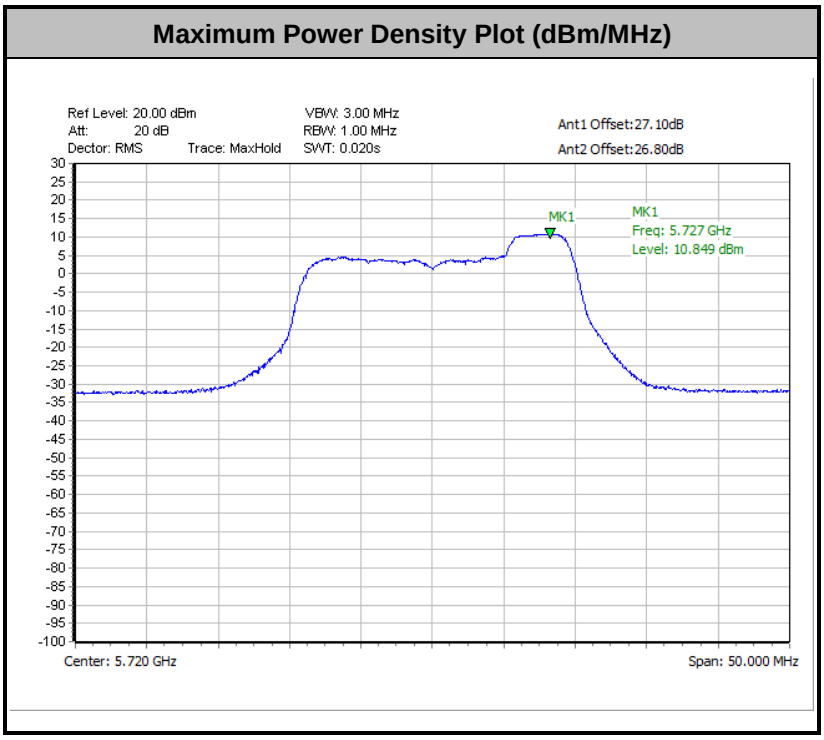
Maximum Power Density Plot (dBm/MHz)


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)
	

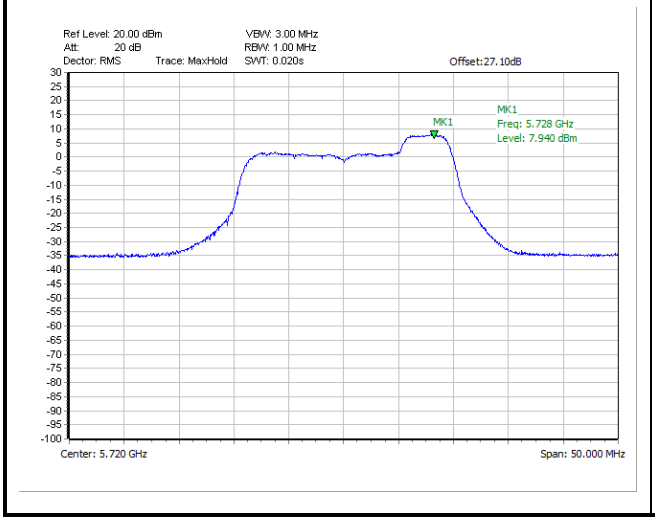
<802.11ax HE20 52RU>

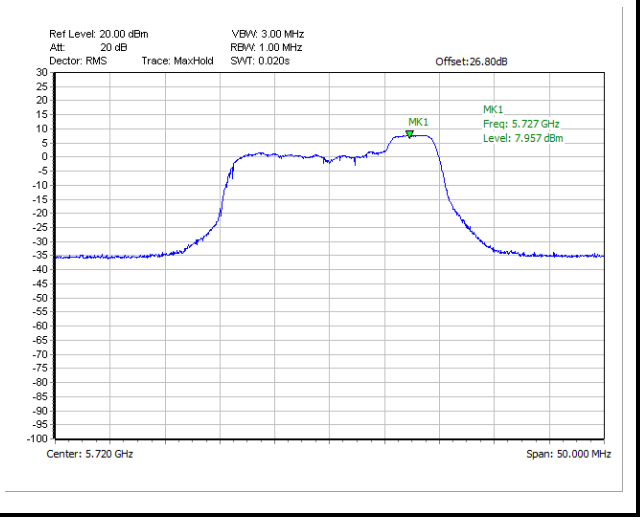
Maximum Power Density Plot (dBm/MHz)



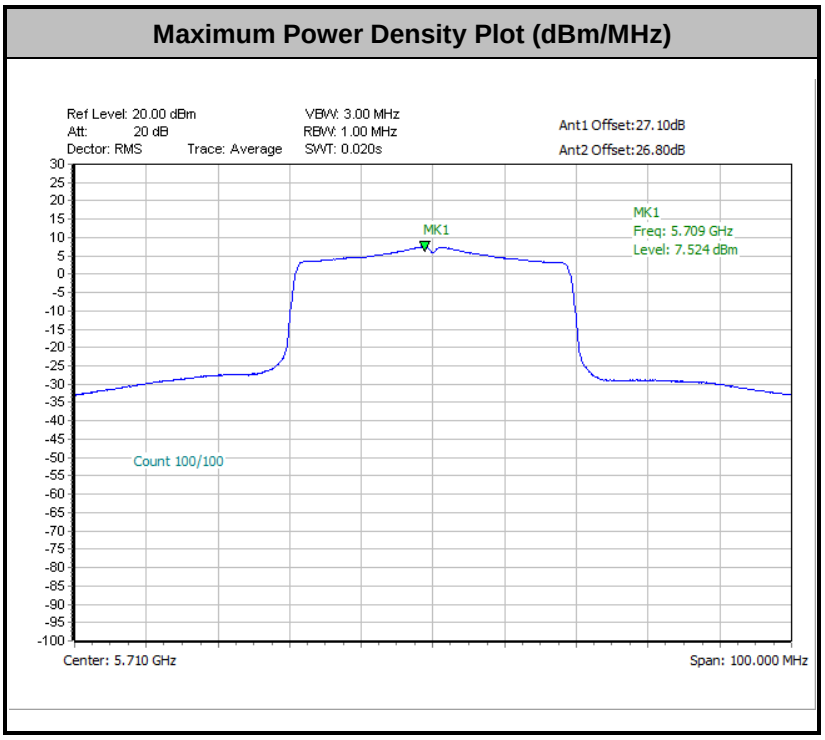
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

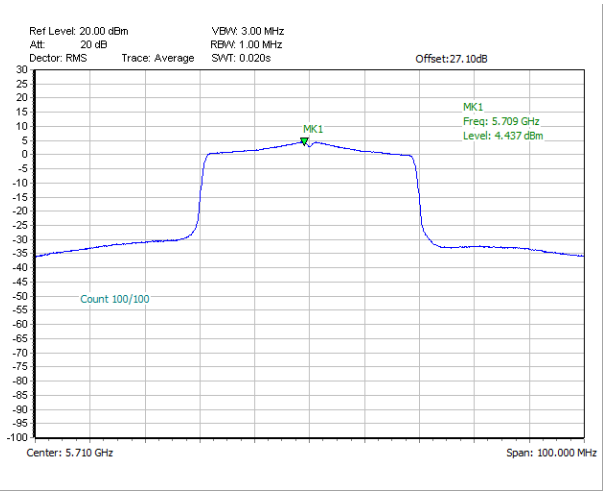
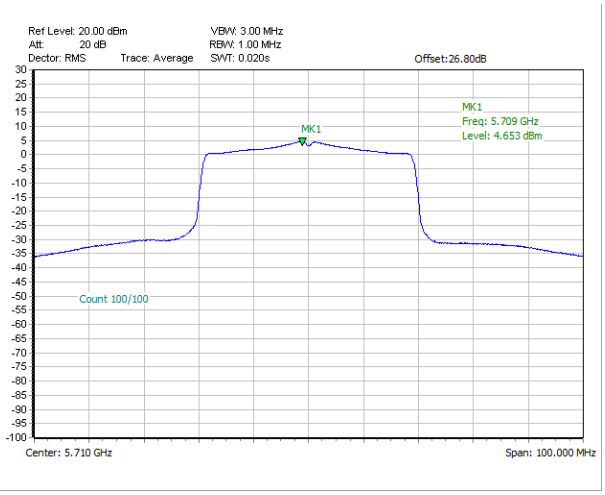




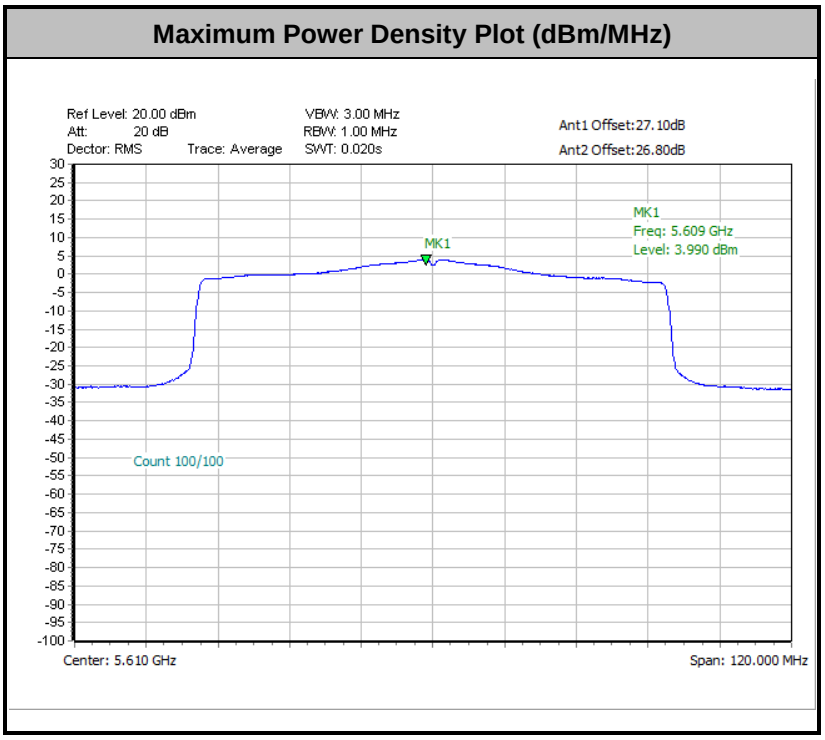
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


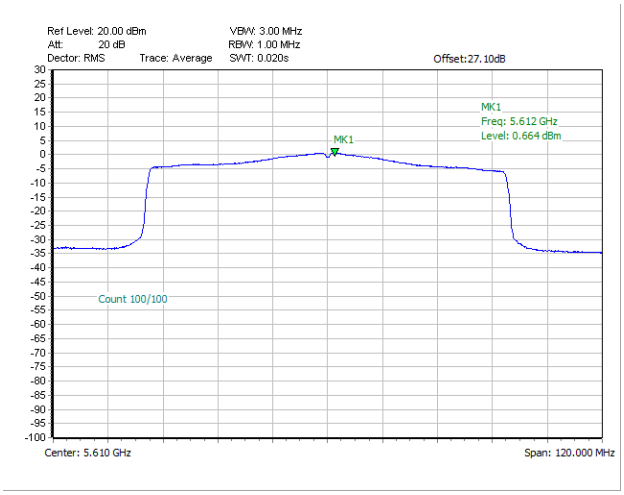
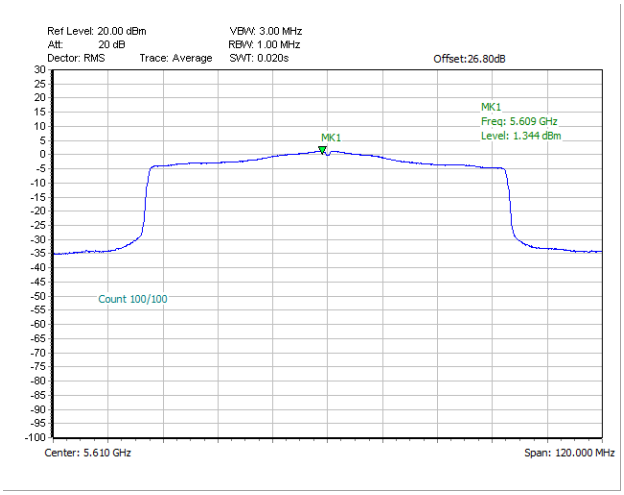
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

<802.11ax HE80>

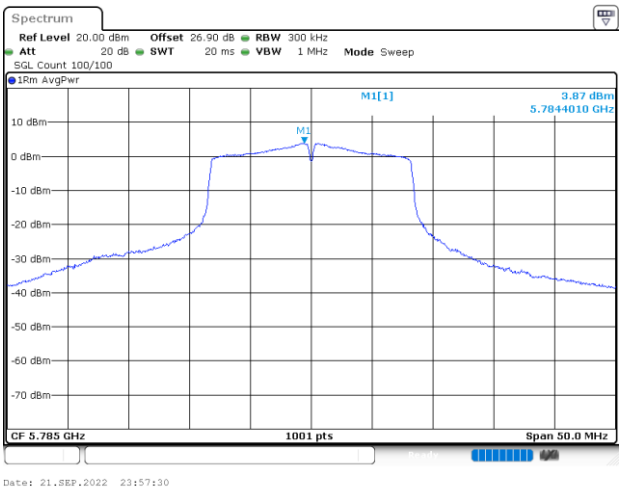
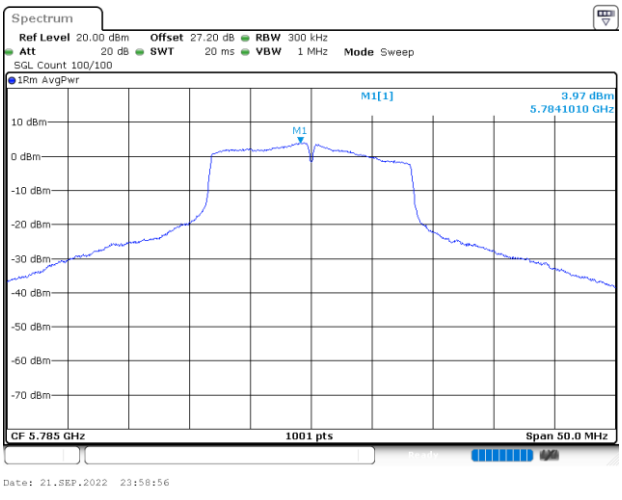
Maximum Power Density Plot (dBm/MHz)


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

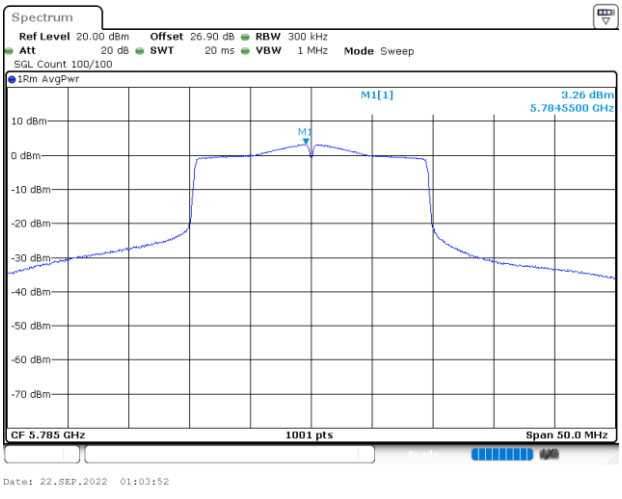
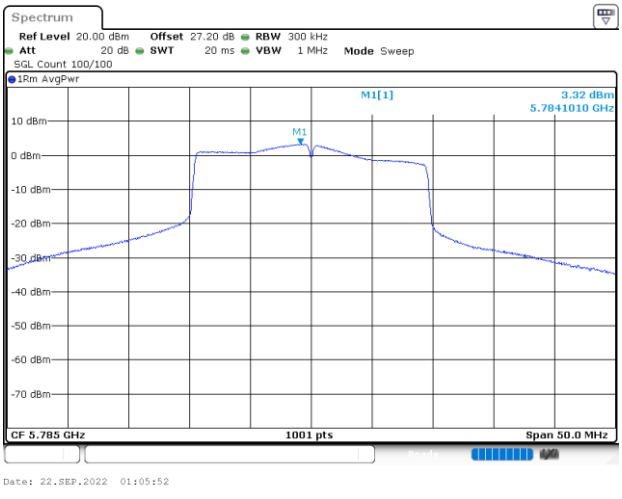
Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

For the band 5.725–5.85 GHz:

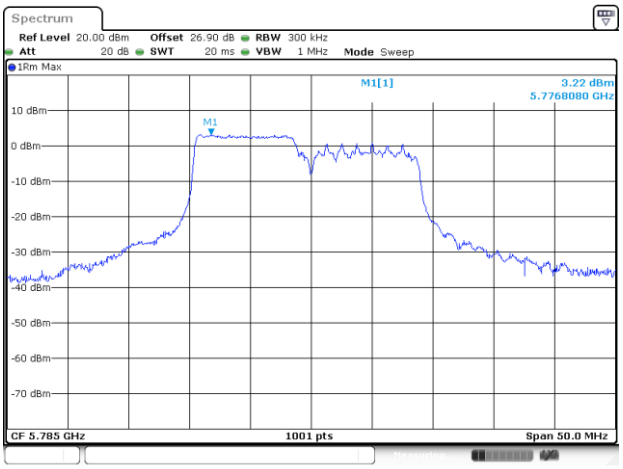
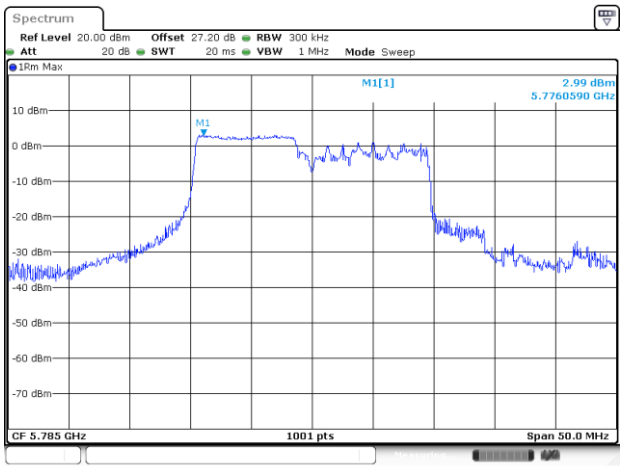
<802.11a>

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

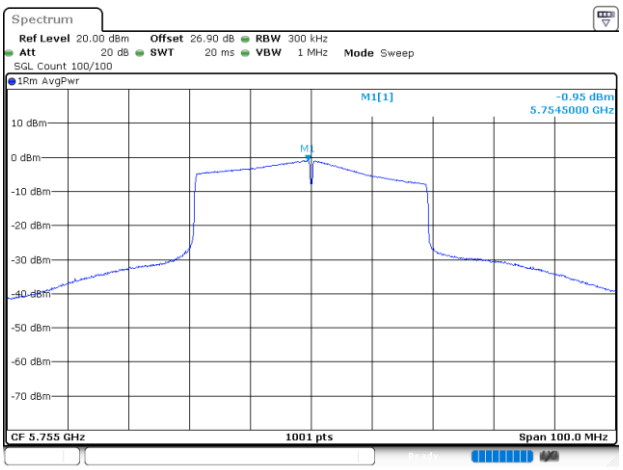
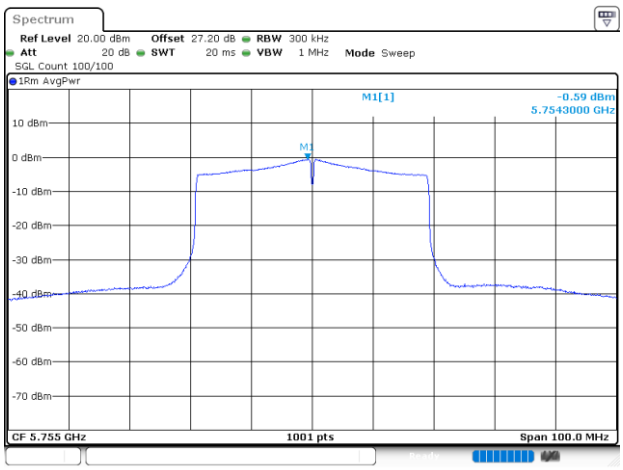
<802.11ax HE20>

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

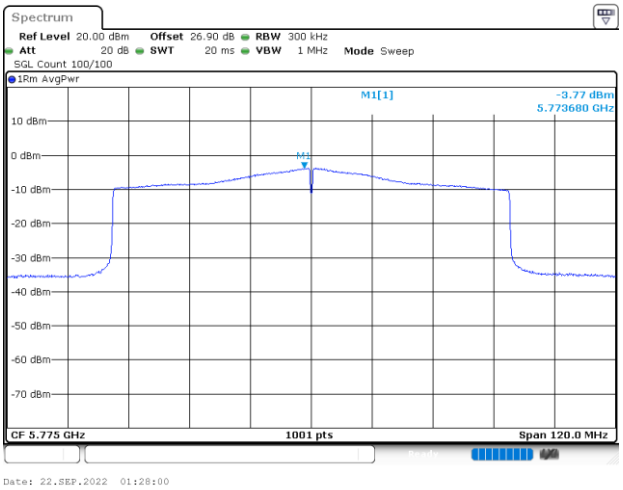
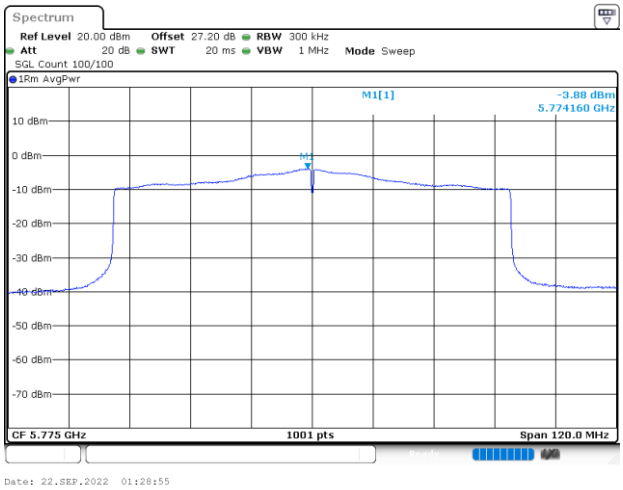
<802.11ax HE20 106RU>

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

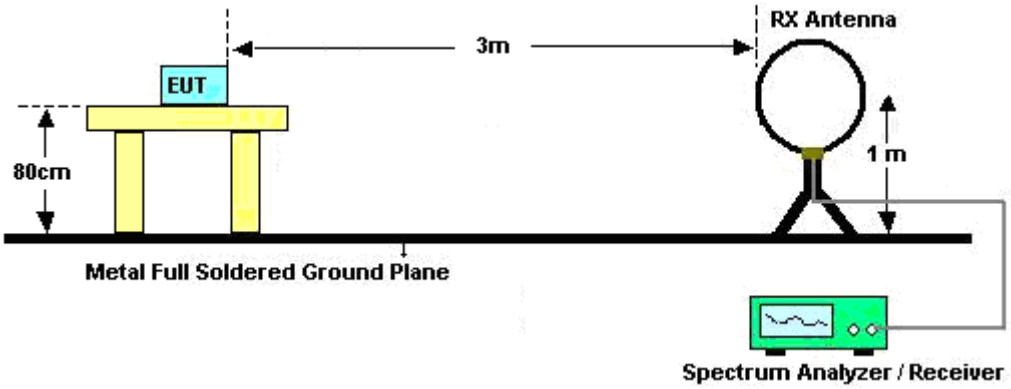
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

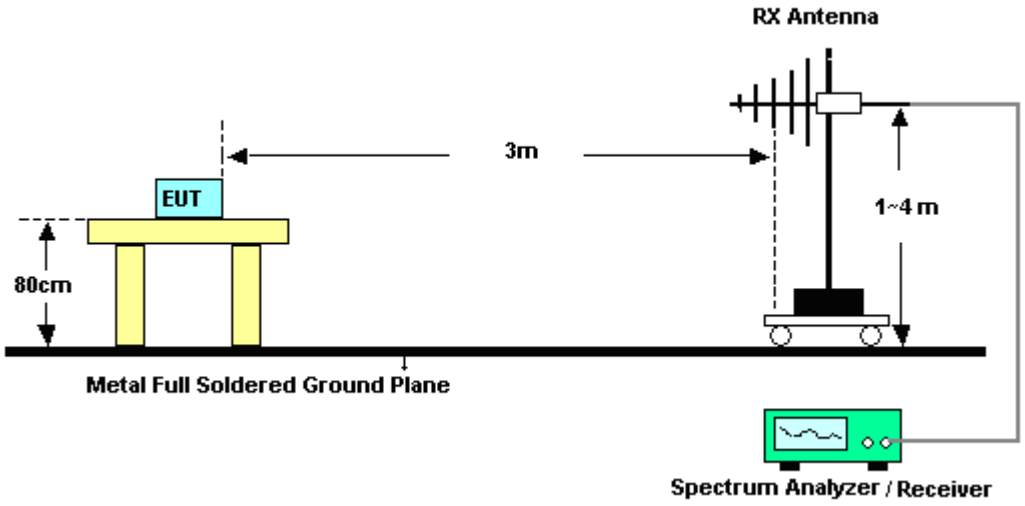
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

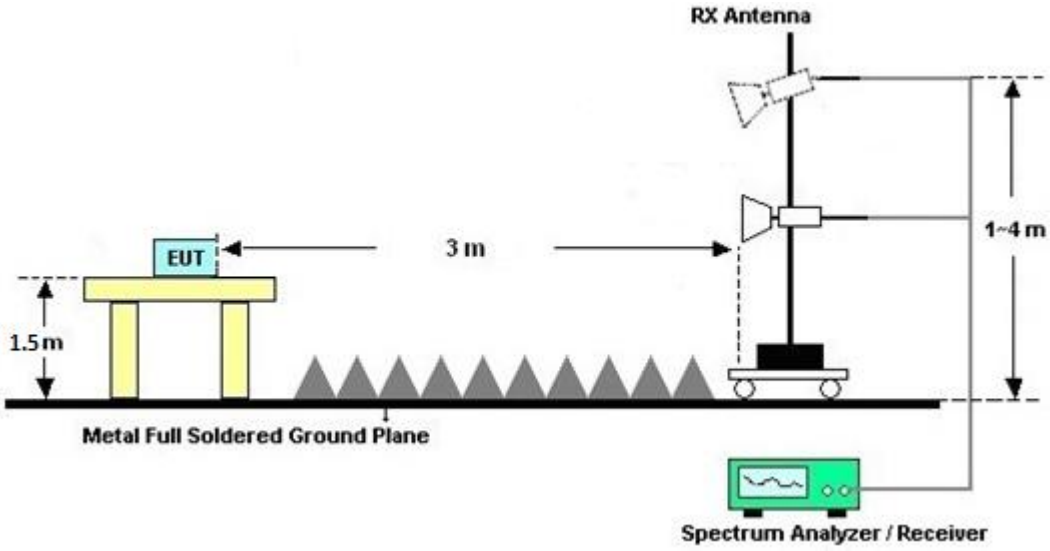
For radiated emissions below 30MHz



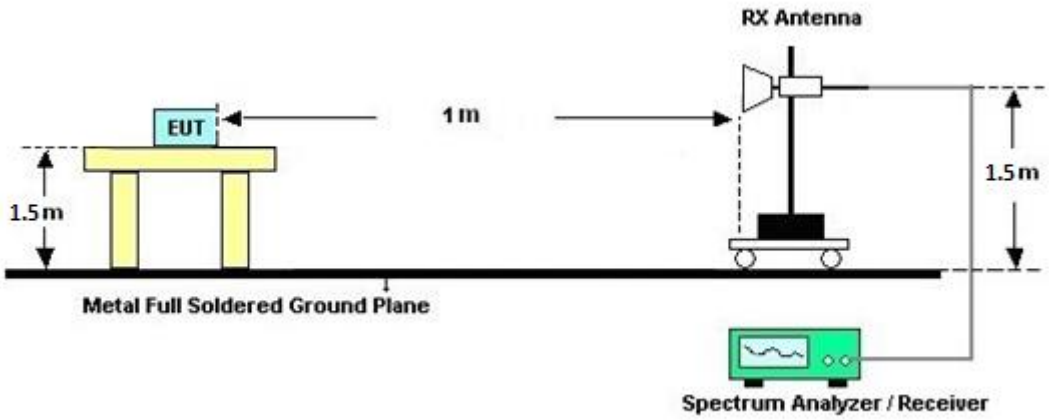
For radiated emissions from 30MHz to 1GHz



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.

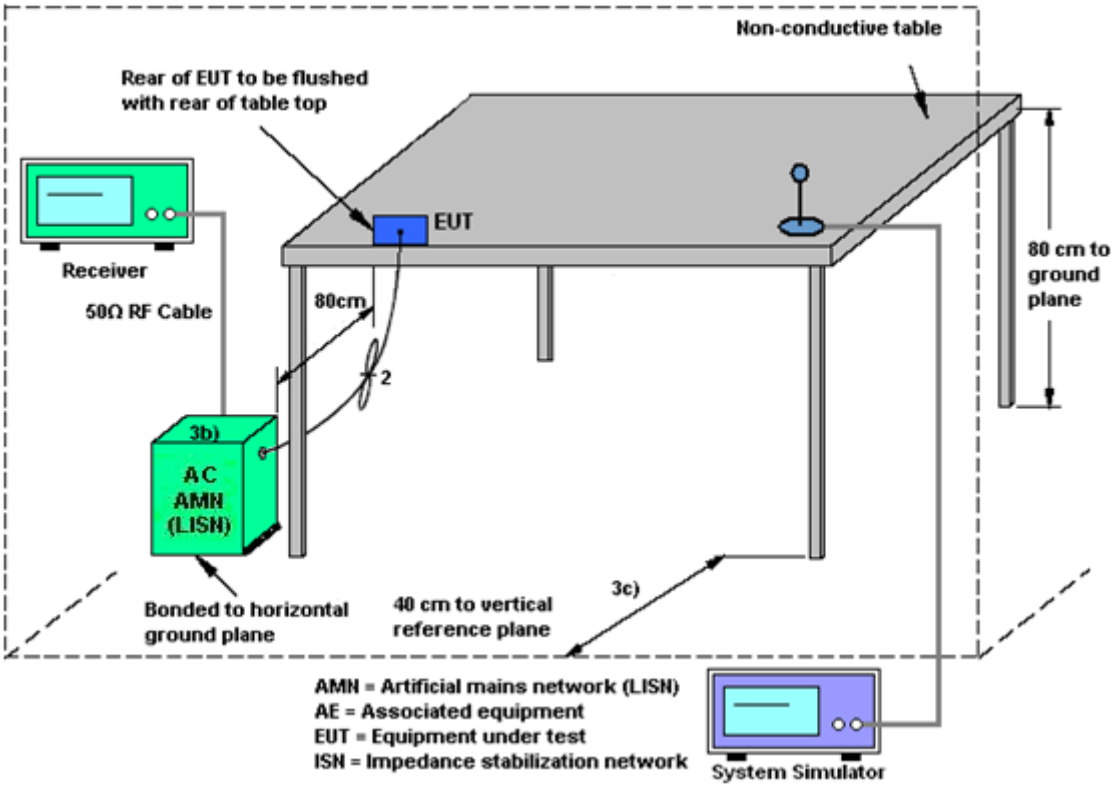
3.5.2 Measuring Instruments

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	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	May 13, 2022	Sep. 02, 2022~ Oct. 05, 2022	May 12, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Sep. 02, 2022~ Oct. 05, 2022	Jun. 27, 2023	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 30, 2021	Sep. 02, 2022~ Oct. 05, 2022	Nov. 29, 2022	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz~18GHz	Mar. 10, 2022	Sep. 02, 2022~ Oct. 05, 2022	Mar. 09, 2023	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz~1GHz	Oct. 09, 2021	Sep. 02, 2022~ Oct. 05, 2022	Oct. 08, 2022	Radiation (03CH16-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Sep. 02, 2022~ Oct. 05, 2022	N/A	Radiation (03CH16-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Sep. 02, 2022~ Oct. 05, 2022	N/A	Radiation (03CH16-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Sep. 02, 2022~ Oct. 05, 2022	N/A	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 15, 2021	Sep. 02, 2022~ Oct. 05, 2022	Dec. 14, 2022	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Sep. 02, 2022~ Oct. 05, 2022	N/A	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	805935/4	N/A	Aug. 09, 2022	Sep. 02, 2022~ Oct. 05, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	802434/4	N/A	Aug. 09, 2022	Sep. 02, 2022~ Oct. 05, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5 757	N/A	Aug. 09, 2022	Sep. 02, 2022~ Oct. 05, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 04, 2022	Sep. 02, 2022~ Oct. 05, 2022	Jul. 03, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 27, 2021	Sep. 02, 2022~ Oct. 05, 2022	Dec. 26, 2022	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 09, 2021	Sep. 02, 2022~ Oct. 05, 2022	Dec. 08, 2022	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Sep. 15, 2022~ Oct. 11, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Sep. 15, 2022~ Oct. 11, 2022	Dec. 28, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Sep. 15, 2022~ Oct. 11, 2022	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Sep. 21, 2022	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 21, 2022	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 29, 2021	Sep. 21, 2022	Oct. 28, 2022	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 16, 2022	Sep. 21, 2022	Mar. 15, 2023	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 16, 2022	Sep. 21, 2022	Feb. 15, 2023	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 04, 2022	Sep. 21, 2022	Mar. 03, 2023	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 21, 2021	Sep. 21, 2022	Oct. 20, 2022	Conduction (CO07-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.3 dB**

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

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

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

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

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

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

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu	Temperature:	21~25	°C
Test Date:	2022/9/15~2022/10/11	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	16.38	16.38	20.20	19.50	-		22.14			
11a	6Mbps	2	44	5220	16.33	16.33	20.10	19.40	-		22.13			
11a	6Mbps	2	48	5240	16.43	16.38	20.65	19.30	-		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	18.90	18.60	21.76	24.00		-3.30			Pass
11a	6Mbps	2	44	5220	18.90	18.60	21.76	24.00		-3.30			Pass
11a	6Mbps	2	48	5240	18.90	18.50	21.71	24.00		-3.30			Pass
HT20	MCS0	2	36	5180	18.70	18.30	21.51	24.00		-3.30			Pass
HT20	MCS0	2	44	5220	18.50	18.30	21.41	24.00		-3.30			Pass
HT20	MCS0	2	48	5240	18.50	18.30	21.41	24.00		-3.30			Pass
HT40	MCS0	2	38	5190	16.70	15.90	19.33	24.00		-3.30			Pass
HT40	MCS0	2	46	5230	17.70	17.10	20.42	24.00		-3.30			Pass
VHT20	MCS0	2	36	5180	18.80	18.40	21.61	24.00		-3.30			Pass
VHT20	MCS0	2	44	5220	18.60	18.40	21.51	24.00		-3.30			Pass
VHT20	MCS0	2	48	5240	18.60	18.40	21.51	24.00		-3.30			Pass
VHT40	MCS0	2	38	5190	16.80	16.00	19.43	24.00		-3.30			Pass
VHT40	MCS0	2	46	5230	17.80	17.20	20.52	24.00		-3.30			Pass
VHT80	MCS0	2	42	5210	16.00	15.40	18.72	24.00		-3.30			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			10.94	11.00		-0.49			Pass
11a	6Mbps	2	44	5220			10.91	11.00		-0.49			Pass
11a	6Mbps	2	48	5240			10.81	11.00		-0.49			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	16.33	16.38	20.05	19.95	23.13		29.13		23.98		
11a	6Mbps	2	60	5300	16.38	16.38	20.55	20.30	23.14		29.14		23.98		
11a	6Mbps	2	64	5320	16.38	16.38	21.55	20.35	23.14		29.14		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260	18.50	18.10	21.31	23.98		-2.00		30	Pass
11a	6Mbps	2	60	5300	18.50	18.10	21.31	23.98		-2.00		30	Pass
11a	6Mbps	2	64	5320	18.50	18.10	21.31	23.98		-2.00		30	Pass
HT20	MCS0	2	52	5260	18.30	18.10	21.21	23.98		-2.00		30	Pass
HT20	MCS0	2	60	5300	18.30	18.10	21.21	23.98		-2.00		30	Pass
HT20	MCS0	2	64	5320	17.90	17.70	20.81	23.98		-2.00		30	Pass
HT40	MCS0	2	54	5270	17.70	17.30	20.51	23.98		-2.00		30	Pass
HT40	MCS0	2	62	5310	16.90	16.50	19.71	23.98		-2.00		30	Pass
VHT20	MCS0	2	52	5260	18.40	18.20	21.31	23.98		-2.00		30	Pass
VHT20	MCS0	2	60	5300	18.40	18.20	21.31	23.98		-2.00		30	Pass
VHT20	MCS0	2	64	5320	18.00	17.80	20.91	23.98		-2.00		30	Pass
VHT40	MCS0	2	54	5270	17.80	17.40	20.61	23.98		-2.00		30	Pass
VHT40	MCS0	2	62	5310	17.00	16.60	19.81	23.98		-2.00		30	Pass
VHT80	MCS0	2	58	5290	15.00	14.40	17.72	23.98		-2.00		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			10.89	11.00		0.52			Pass
11a	6Mbps	2	60	5300			10.95	11.00		0.52			Pass
11a	6Mbps	2	64	5320			10.70	11.00		0.52			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	20.00	20.75	23.13		29.13		23.98		----	----
11a	6Mbps	2	116	5580	16.33	16.38	20.20	20.00	23.13		29.13		23.98		----	----
11a	6Mbps	2	140	5700	16.33	16.38	19.90	20.30	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	13.19	15.30	15.30	22.20		28.20		22.85		2.551	2.601

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	18.00	18.10	21.06	23.98		0.10		30	Pass
11a	6Mbps	2	116	5580	17.80	18.10	20.96	23.98		0.10		30	Pass
11a	6Mbps	2	140	5700	18.10	17.70	20.91	23.98		0.10		30	Pass
HT20	MCS0	2	100	5500	17.50	17.60	20.56	23.98		0.10		30	Pass
HT20	MCS0	2	116	5580	17.90	17.90	20.91	23.98		0.10		30	Pass
HT20	MCS0	2	140	5700	18.70	18.30	21.51	23.98		0.10		30	Pass
HT40	MCS0	2	102	5510	16.70	17.00	19.86	23.98		0.10		30	Pass
HT40	MCS0	2	110	5550	17.30	17.70	20.51	23.98		0.10		30	Pass
HT40	MCS0	2	134	5670	17.50	17.50	20.51	23.98		0.10		30	Pass
VHT20	MCS0	2	100	5500	17.60	17.70	20.66	23.98		0.10		30	Pass
VHT20	MCS0	2	116	5580	18.00	18.00	21.01	23.98		0.10		30	Pass
VHT20	MCS0	2	140	5700	18.80	18.40	21.61	23.98		0.10		30	Pass
VHT40	MCS0	2	102	5510	16.80	17.10	19.96	23.98		0.10		30	Pass
VHT40	MCS0	2	110	5550	17.40	17.80	20.61	23.98		0.10		30	Pass
VHT40	MCS0	2	134	5670	17.60	17.60	20.61	23.98		0.10		30	Pass
VHT80	MCS0	2	106	5530	11.60	11.70	14.66	23.98		0.10		30	Pass
VHT80	MCS0	2	122	5610	16.50	16.70	19.61	23.98		0.10		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	18.10	17.90	21.01	22.85		0.10		30	Pass
HT20	MCS0	2	144	5720	18.60	18.40	21.51	23.98		0.10		30	Pass
HT40	MCS0	2	142	5710	17.70	17.60	20.66	23.98		0.10		30	Pass
VHT20	MCS0	2	144	5720	18.70	18.50	21.61	23.98		0.10		30	Pass
VHT40	MCS0	2	142	5710	17.80	17.70	20.76	23.98		0.10		30	Pass
VHT80	MCS0	2	138	5690	16.70	16.40	19.56	23.98		0.10		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			10.69	11.00		2.53			Pass
11a	6Mbps	2	116	5580			10.65	11.00		2.53			Pass
11a	6Mbps	2	140	5700			10.71	11.00		2.53			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			10.74	11.00		2.53			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	21.15	21.15	-		22.76			
HE20	MCS0	2	44	5220	Full	18.88	18.88	21.60	20.95	-		22.76			
HE20	MCS0	2	48	5240	Full	18.88	18.88	22.50	21.30	-		22.76			
HE40	MCS0	2	38	5190	Full	37.76	37.76	39.96	39.69	-		23.01			
HE40	MCS0	2	46	5230	Full	37.76	37.76	39.78	40.05	-		23.01			
HE80	MCS0	2	42	5210	Full	76.72	76.72	81.60	81.76	-		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	18.90	18.50	21.71	24.00		-3.30			Pass
HE20	MCS0	2	36	5180	26/0	10.30	10.10	13.21	24.00		-3.30			Pass
HE20	MCS0	2	36	5180	52/37	12.80	12.20	15.52	24.00		-3.30			Pass
HE20	MCS0	2	36	5180	106/53	15.90	15.30	18.62	24.00		-3.30			Pass
HE20	MCS0	2	44	5220	Full	18.70	18.50	21.61	24.00		-3.30			Pass
HE20	MCS0	2	44	5220	26/4	10.90	10.10	13.53	24.00		-3.30			Pass
HE20	MCS0	2	44	5220	52/38	13.10	12.10	15.64	24.00		-3.30			Pass
HE20	MCS0	2	44	5220	106/53	15.90	15.00	18.48	24.00		-3.30			Pass
HE20	MCS0	2	48	5240	Full	18.70	18.50	21.61	24.00		-3.30			Pass
HE20	MCS0	2	48	5240	26/8	9.90	8.80	12.40	24.00		-3.30			Pass
HE20	MCS0	2	48	5240	52/40	12.90	11.60	15.31	24.00		-3.30			Pass
HE20	MCS0	2	48	5240	106/54	15.80	14.70	18.30	24.00		-3.30			Pass
HE40	MCS0	2	38	5190	Full	16.90	16.10	19.53	24.00		-3.30			Pass
HE40	MCS0	2	46	5230	Full	17.90	17.30	20.62	24.00		-3.30			Pass
HE80	MCS0	2	42	5210	Full	16.10	15.50	18.82	24.00		-3.30			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			10.46	11.00		-0.49		Pass
HE20	MCS0	2	36	5180	26/0			10.43	11.00		-0.49		Pass
HE20	MCS0	2	36	5180	52/37			10.13	11.00		-0.49		Pass
HE20	MCS0	2	36	5180	106/53			10.18	11.00		-0.49		Pass
HE20	MCS0	2	44	5220	Full			10.29	11.00		-0.49		Pass
HE20	MCS0	2	44	5220	26/4			10.09	11.00		-0.49		Pass
HE20	MCS0	2	44	5220	52/38			10.22	11.00		-0.49		Pass
HE20	MCS0	2	44	5220	106/53			10.15	11.00		-0.49		Pass
HE20	MCS0	2	48	5240	Full			10.26	11.00		-0.49		Pass
HE20	MCS0	2	48	5240	26/8			9.90	11.00		-0.49		Pass
HE20	MCS0	2	48	5240	52/40			9.92	11.00		-0.49		Pass
HE20	MCS0	2	48	5240	106/54			9.98	11.00		-0.49		Pass
HE40	MCS0	2	38	5190	Full			5.50	11.00		-0.49		Pass
HE40	MCS0	2	46	5230	Full			6.87	11.00		-0.49		Pass
HE80	MCS0	2	42	5210	Full			2.77	11.00		-0.49		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	18.88	21.50	21.70	23.76		29.76		23.98		
HE20	MCS0	2	60	5300	Full	18.93	18.88	22.55	21.75	23.76		29.76		23.98		
HE20	MCS0	2	64	5320	Full	18.88	18.83	21.20	21.35	23.75		29.75		23.98		
HE40	MCS0	2	54	5270	Full	37.76	37.86	40.41	40.14	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.86	37.86	39.87	40.05	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.96	76.84	81.92	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	18.50	18.30	21.41	23.98		-2.00		30	Pass
HE20	MCS0	2	52	5260	26/0	10.00	9.90	12.96	23.98		-2.00		30	Pass
HE20	MCS0	2	52	5260	52/37	13.00	12.70	15.86	23.98		-2.00		30	Pass
HE20	MCS0	2	52	5260	106/53	15.90	15.60	18.76	23.98		-2.00		30	Pass
HE20	MCS0	2	60	5300	Full	18.50	18.30	21.41	23.98		-2.00		30	Pass
HE20	MCS0	2	60	5300	26/4	11.60	10.60	14.14	23.98		-2.00		30	Pass
HE20	MCS0	2	60	5300	52/38	13.60	12.30	16.01	23.98		-2.00		30	Pass
HE20	MCS0	2	60	5300	106/53	16.30	15.40	18.88	23.98		-2.00		30	Pass
HE20	MCS0	2	64	5320	Full	18.10	17.90	21.01	23.98		-2.00		30	Pass
HE20	MCS0	2	64	5320	26/8	9.30	8.30	11.84	23.98		-2.00		30	Pass
HE20	MCS0	2	64	5320	52/40	12.70	11.60	15.20	23.98		-2.00		30	Pass
HE20	MCS0	2	64	5320	106/54	15.60	14.70	18.18	23.98		-2.00		30	Pass
HE40	MCS0	2	54	5270	Full	17.90	17.50	20.71	23.98		-2.00		30	Pass
HE40	MCS0	2	62	5310	Full	17.10	16.70	19.91	23.98		-2.00		30	Pass
HE80	MCS0	2	58	5290	Full	15.10	14.50	17.82	23.98		-2.00		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			10.71	11.00		0.52		Pass
HE20	MCS0	2	52	5260	26/0			10.36	11.00		0.52		Pass
HE20	MCS0	2	52	5260	52/37			10.36	11.00		0.52		Pass
HE20	MCS0	2	52	5260	106/53			10.42	11.00		0.52		Pass
HE20	MCS0	2	60	5300	Full			10.82	11.00		0.52		Pass
HE20	MCS0	2	60	5300	26/4			10.59	11.00		0.52		Pass
HE20	MCS0	2	60	5300	52/38			10.71	11.00		0.52		Pass
HE20	MCS0	2	60	5300	106/53			10.46	11.00		0.52		Pass
HE20	MCS0	2	64	5320	Full			10.29	11.00		0.52		Pass
HE20	MCS0	2	64	5320	26/8			9.88	11.00		0.52		Pass
HE20	MCS0	2	64	5320	52/40			10.27	11.00		0.52		Pass
HE20	MCS0	2	64	5320	106/54			10.22	11.00		0.52		Pass
HE40	MCS0	2	54	5270	Full			7.23	11.00		0.52		Pass
HE40	MCS0	2	62	5310	Full			6.32	11.00		0.52		Pass
HE80	MCS0	2	58	5290	Full			1.77	11.00		0.52		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	21.55	21.15	23.76		29.76		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.93	18.93	21.15	21.95	23.77		29.77		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.98	18.98	23.15	24.60	23.78		29.78		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.86	37.76	40.05	40.41	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.86	37.76	40.23	40.41	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.76	37.86	39.87	40.23	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	76.84	76.72	81.76	81.60	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	76.72	76.84	82.08	81.76	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	14.54	14.54	16.95	16.75	22.63		28.63		23.24		3.549	3.999
HE40	MCS0	2	142	5710	Full	33.98	33.98	35.16	35.07	23.98		30.00		23.98		2.64	2.64
HE80	MCS0	2	138	5690	Full	73.48	73.48	75.80	75.96	23.98		30.00		23.98		0.204	0.204

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	17.70	17.80	20.76	23.98		0.10		30	Pass
HE20	MCS0	2	100	5500	26/0	8.70	8.70	11.71	23.98		0.10		30	Pass
HE20	MCS0	2	100	5500	52/37	11.60	11.60	14.61	23.98		0.10		30	Pass
HE20	MCS0	2	100	5500	106/53	14.50	14.10	17.31	23.98		0.10		30	Pass
HE20	MCS0	2	116	5580	Full	18.10	18.10	21.11	23.98		0.10		30	Pass
HE20	MCS0	2	116	5580	26/4	10.30	10.40	13.36	23.98		0.10		30	Pass
HE20	MCS0	2	116	5580	52/38	12.30	12.10	15.21	23.98		0.10		30	Pass
HE20	MCS0	2	116	5580	106/53	14.80	15.60	18.23	23.98		0.10		30	Pass
HE20	MCS0	2	140	5700	Full	18.90	18.50	21.71	23.98		0.10		30	Pass
HE20	MCS0	2	140	5700	26/8	10.20	9.70	12.97	23.98		0.10		30	Pass
HE20	MCS0	2	140	5700	52/40	12.90	12.50	15.71	23.98		0.10		30	Pass
HE20	MCS0	2	140	5700	106/54	15.70	15.20	18.47	23.98		0.10		30	Pass
HE40	MCS0	2	102	5510	Full	16.90	17.20	20.06	23.98		0.10		30	Pass
HE40	MCS0	2	110	5550	Full	17.50	17.90	20.71	23.98		0.10		30	Pass
HE40	MCS0	2	134	5670	Full	17.70	17.70	20.71	23.98		0.10		30	Pass
HE80	MCS0	2	106	5530	Full	11.70	11.80	14.76	23.98		0.10		30	Pass
HE80	MCS0	2	122	5610	Full	16.60	16.80	19.71	23.98		0.10		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	18.80	18.60	21.71	23.24		0.10		30	Pass
HE20	MCS0	2	144	5720	26/8	9.40	9.60	12.51	23.24		0.10		30	Pass
HE20	MCS0	2	144	5720	52/40	12.60	12.70	15.66	23.24		0.10		30	Pass
HE20	MCS0	2	144	5720	106/54	15.50	15.50	18.51	23.24		0.10		30	Pass
HE40	MCS0	2	142	5710	Full	17.90	17.80	20.86	23.98		0.10		30	Pass
HE80	MCS0	2	138	5690	Full	16.80	16.50	19.66	23.98		0.10		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			10.07	11.00		2.53			Pass
HE20	MCS0	2	100	5500	26/0			9.89	11.00		2.53			Pass
HE20	MCS0	2	100	5500	52/37			9.81	11.00		2.53			Pass
HE20	MCS0	2	100	5500	106/53			9.81	11.00		2.53			Pass
HE20	MCS0	2	116	5580	Full			10.62	11.00		2.53			Pass
HE20	MCS0	2	116	5580	26/4			10.50	11.00		2.53			Pass
HE20	MCS0	2	116	5580	52/38			10.46	11.00		2.53			Pass
HE20	MCS0	2	116	5580	106/53			10.20	11.00		2.53			Pass
HE20	MCS0	2	140	5700	Full			10.92	11.00		2.53			Pass
HE20	MCS0	2	140	5700	26/8			10.76	11.00		2.53			Pass
HE20	MCS0	2	140	5700	52/40			10.82	11.00		2.53			Pass
HE20	MCS0	2	140	5700	106/54			10.61	11.00		2.53			Pass
HE40	MCS0	2	102	5510	Full			6.65	11.00		2.53			Pass
HE40	MCS0	2	110	5550	Full			7.41	11.00		2.53			Pass
HE40	MCS0	2	134	5670	Full			7.42	11.00		2.53			Pass
HE80	MCS0	2	106	5530	Full			-1.28	11.00		2.53			Pass
HE80	MCS0	2	122	5610	Full			3.99	11.00		2.53			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			10.95	11.00		2.53			Pass
HE20	MCS0	2	144	5720	26/8			10.55	11.00		2.53			Pass
HE20	MCS0	2	144	5720	52/40			10.85	11.00		2.53			Pass
HE20	MCS0	2	144	5720	106/54			10.68	11.00		2.53			Pass
HE40	MCS0	2	142	5710	Full			7.52	11.00		2.53			Pass
HE80	MCS0	2	138	5690	Full			3.85	11.00		2.53			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	16.48	16.38	21.55	20.65	15.19	15.19	0.5	Pass
11a	6Mbps	2	157	5785	16.48	16.38	21.75	20.80	13.94	15.14	0.5	Pass
11a	6Mbps	2	165	5825	16.43	16.53	20.80	21.95	15.19	15.14	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	18.70	18.80	21.76	30.00		1.20		Pass
11a	6Mbps	2	157	5785	18.90	18.80	21.86	30.00		1.20		Pass
11a	6Mbps	2	165	5825	18.60	18.60	21.61	30.00		1.20		Pass
HT20	MCS0	2	149	5745	18.60	18.70	21.66	30.00		1.20		Pass
HT20	MCS0	2	157	5785	18.70	18.50	21.61	30.00		1.20		Pass
HT20	MCS0	2	165	5825	18.50	18.60	21.56	30.00		1.20		Pass
HT40	MCS0	2	151	5755	17.50	17.70	20.61	30.00		1.20		Pass
HT40	MCS0	2	159	5795	17.60	17.70	20.66	30.00		1.20		Pass
VHT20	MCS0	2	149	5745	18.70	18.80	21.76	30.00		1.20		Pass
VHT20	MCS0	2	157	5785	18.80	18.60	21.71	30.00		1.20		Pass
VHT20	MCS0	2	165	5825	18.60	18.70	21.66	30.00		1.20		Pass
VHT40	MCS0	2	151	5755	17.60	17.80	20.71	30.00		1.20		Pass
VHT40	MCS0	2	159	5795	17.70	17.80	20.76	30.00		1.20		Pass
VHT80	MCS0	2	155	5775	16.80	16.70	19.76	30.00		1.20		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		5.77	6.05	9.06	30.00		3.31		Pass
11a	6Mbps	2	157	5785	2.22		6.09	6.19	9.20	30.00		3.31		Pass
11a	6Mbps	2	165	5825	2.22		5.63	6.01	9.02	30.00		3.31		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	18.98	18.98	22.70	24.70	16.79	15.49	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.08	19.08	26.40	25.15	15.14	16.84	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.03	18.93	23.85	23.95	16.19	16.99	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.86	37.86	40.14	40.05	35.53	35.26	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.86	37.86	39.69	40.14	35.71	35.26	0.5	Pass
HE80	MCS0	2	155	5775	Full	76.72	76.96	81.76	81.76	70.36	71.64	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	18.80	18.90	21.86	30.00		1.20		Pass
HE20	MCS0	2	149	5745	26/0	8.80	9.20	12.01	30.00		1.20		Pass
HE20	MCS0	2	149	5745	52/37	11.90	12.10	15.01	30.00		1.20		Pass
HE20	MCS0	2	149	5745	106/53	14.90	15.00	17.96	30.00		1.20		Pass
HE20	MCS0	2	157	5785	Full	18.90	18.70	21.81	30.00		1.20		Pass
HE20	MCS0	2	157	5785	26/4	9.40	9.50	12.46	30.00		1.20		Pass
HE20	MCS0	2	157	5785	52/38	12.10	12.70	15.42	30.00		1.20		Pass
HE20	MCS0	2	157	5785	106/53	15.30	16.00	18.67	30.00		1.20		Pass
HE20	MCS0	2	165	5825	Full	18.70	18.80	21.76	30.00		1.20		Pass
HE20	MCS0	2	165	5825	26/8	8.00	8.50	11.27	30.00		1.20		Pass
HE20	MCS0	2	165	5825	52/40	11.00	11.50	14.27	30.00		1.20		Pass
HE20	MCS0	2	165	5825	106/54	14.10	14.30	17.21	30.00		1.20		Pass
HE40	MCS0	2	151	5755	Full	17.70	17.90	20.81	30.00		1.20		Pass
HE40	MCS0	2	159	5795	Full	17.80	17.90	20.86	30.00		1.20		Pass
HE80	MCS0	2	155	5775	Full	16.90	16.80	19.86	30.00		1.20		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		5.24	5.46	8.47	30.00		3.31		Pass
HE20	MCS0	2	149	5745	26/0	2.22		4.97	5.05	8.06	30.00		3.31		Pass
HE20	MCS0	2	149	5745	52/37	2.22		5.13	5.22	8.23	30.00		3.31		Pass
HE20	MCS0	2	149	5745	106/53	2.22		5.23	5.10	8.24	30.00		3.31		Pass
HE20	MCS0	2	157	5785	Full	2.22		5.48	5.54	8.55	30.00		3.31		Pass
HE20	MCS0	2	157	5785	26/4	2.22		5.17	5.38	8.39	30.00		3.31		Pass
HE20	MCS0	2	157	5785	52/38	2.22		5.33	5.16	8.34	30.00		3.31		Pass
HE20	MCS0	2	157	5785	106/53	2.22		5.44	5.21	8.45	30.00		3.31		Pass
HE20	MCS0	2	165	5825	Full	2.22		5.05	5.44	8.45	30.00		3.31		Pass
HE20	MCS0	2	165	5825	26/8	2.22		4.95	4.64	7.96	30.00		3.31		Pass
HE20	MCS0	2	165	5825	52/40	2.22		4.92	4.68	7.93	30.00		3.31		Pass
HE20	MCS0	2	165	5825	106/54	2.22		4.84	4.96	7.97	30.00		3.31		Pass
HE40	MCS0	2	151	5755	Full	2.22		1.27	1.63	4.64	30.00		3.31		Pass
HE40	MCS0	2	159	5795	Full	2.22		1.14	1.54	4.55	30.00		3.31		Pass
HE80	MCS0	2	155	5775	Full	2.22		-1.55	-1.66	1.46	30.00		3.31		Pass

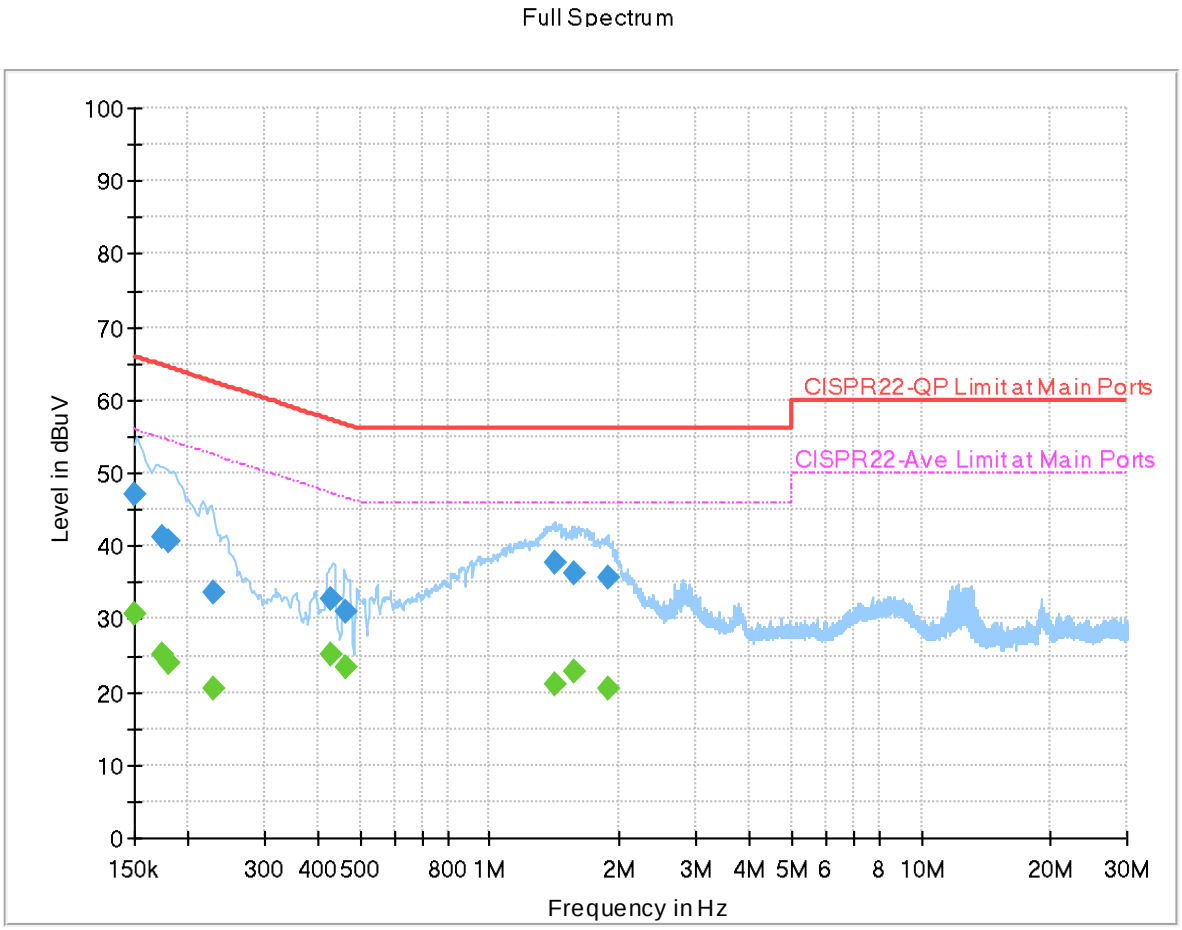
Note: PSD Sum = Max PSD(Ant. 4, Ant. 3) + 10 log (n)

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.1~26.7℃
		Relative Humidity :	49.1~56.9%

EUT Information

Report NO :	280208-01
Test Mode :	Mode 2
Test Voltage :	120Vac/60Hz
Phase :	Line

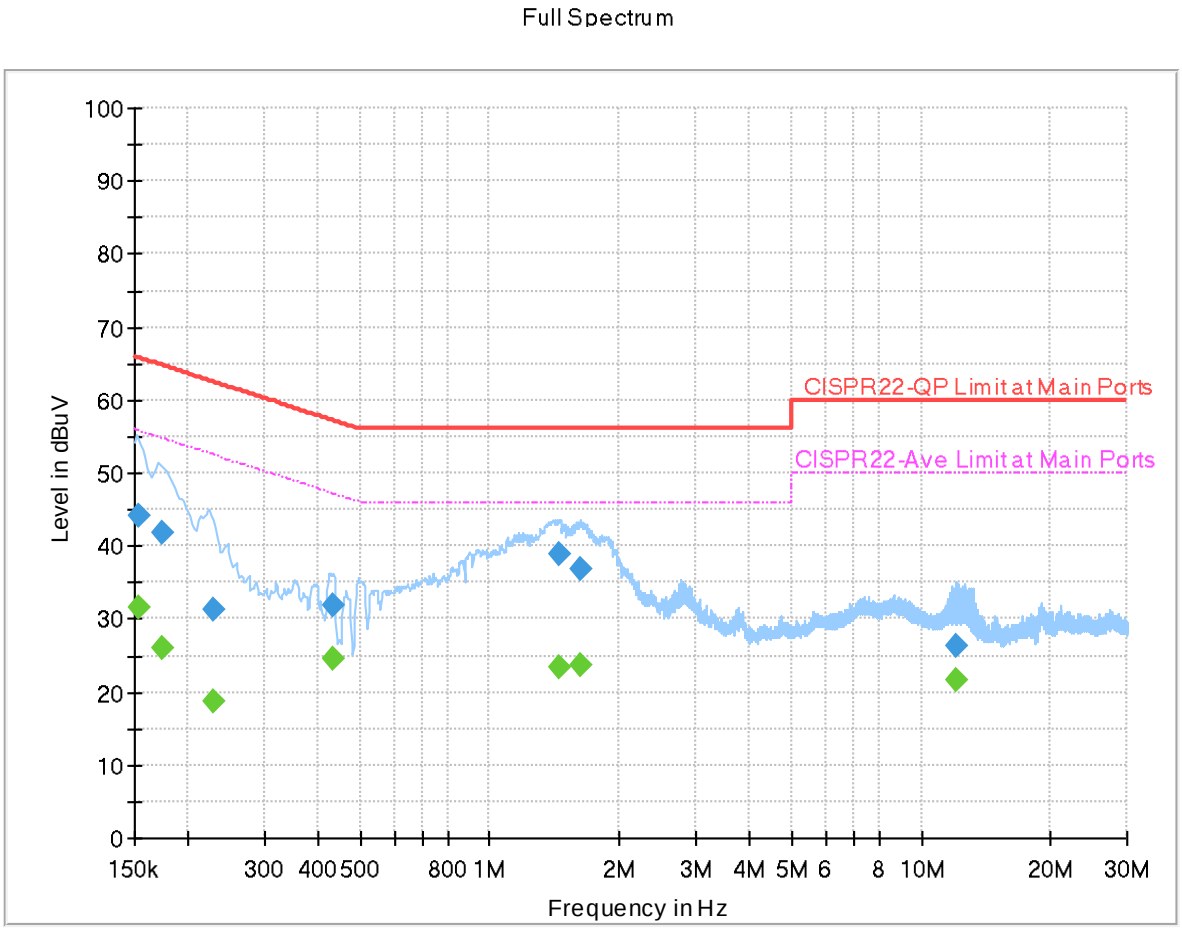


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150473	---	30.83	55.97	25.14	L1	OFF	20.0
0.150473	46.99	---	65.97	18.98	L1	OFF	20.0
0.174660	---	25.26	54.74	29.48	L1	OFF	20.0
0.174660	41.18	---	64.74	23.56	L1	OFF	20.0
0.179340	---	24.02	54.52	30.50	L1	OFF	20.0
0.179340	40.74	---	64.52	23.78	L1	OFF	20.0
0.228030	---	20.39	52.52	32.13	L1	OFF	20.0
0.228030	33.70	---	62.52	28.82	L1	OFF	20.0
0.427830	---	25.12	47.30	22.18	L1	OFF	20.0
0.427830	32.81	---	57.30	24.49	L1	OFF	20.0
0.465000	---	23.38	46.60	23.22	L1	OFF	20.0
0.465000	31.06	---	56.60	25.54	L1	OFF	20.0
1.420890	---	20.98	46.00	25.02	L1	OFF	20.0
1.420890	37.70	---	56.00	18.30	L1	OFF	20.0
1.570740	---	22.80	46.00	23.20	L1	OFF	20.0
1.570740	36.18	---	56.00	19.82	L1	OFF	20.0
1.882500	---	20.53	46.00	25.47	L1	OFF	20.0
1.882500	35.56	---	56.00	20.44	L1	OFF	20.0

EUT Information

Report NO :	280208-01
Test Mode :	Mode 2
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152633	---	31.48	55.86	24.38	N	OFF	20.0
0.152633	44.27	---	65.86	21.59	N	OFF	20.0
0.173130	---	26.08	54.81	28.73	N	OFF	20.0
0.173130	41.84	---	64.81	22.97	N	OFF	20.0
0.229560	---	18.84	52.47	33.63	N	OFF	20.0
0.229560	31.18	---	62.47	31.29	N	OFF	20.0
0.433230	---	24.42	47.19	22.77	N	OFF	20.0
0.433230	31.75	---	57.19	25.44	N	OFF	20.0
1.455540	---	23.41	46.00	22.59	N	OFF	20.0
1.455540	38.99	---	56.00	17.01	N	OFF	20.0
1.628250	---	23.62	46.00	22.38	N	OFF	20.0
1.628250	36.79	---	56.00	19.21	N	OFF	20.0
12.030270	---	21.57	50.00	28.43	N	OFF	20.2
12.030270	26.36	---	60.00	33.64	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Andy Yang, Karl Hou and Steven Wu	Temperature :	15~25°C
		Relative Humidity :	50~65%

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		5148.72	57.97	-16.03	74	43.47	33	10.96	29.46	100	121	P	H
		5148.98	49.09	-4.91	54	34.59	33	10.96	29.46	100	121	A	H
	*	5180	111.37	-	-	96.82	33.06	10.96	29.47	100	121	P	H
	*	5180	103.64	-	-	89.09	33.06	10.96	29.47	100	121	A	H
													H
													H
		5145.6	57.16	-16.84	74	42.66	33	10.96	29.46	100	90	P	V
		5150	48.33	-5.67	54	33.83	33	10.96	29.46	100	90	A	V
	*	5180	111.18	-	-	96.63	33.06	10.96	29.47	100	90	P	V
	*	5180	103.38	-	-	88.83	33.06	10.96	29.47	100	90	A	V
													V
													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
	*	5220	110.13	-	-	95.57	33.06	10.98	29.48	100	117	P	H
	*	5220	102.21	-	-	87.65	33.06	10.98	29.48	100	117	A	H
		5358.64	53.31	-20.69	74	38.9	32.82	11.11	29.52	100	117	P	H
		5455.52	41.17	-12.83	54	26.66	32.81	11.26	29.56	100	117	A	H
		5109.98	54.29	-19.71	74	39.78	33	10.96	29.45	100	97	P	V
		5150	42.44	-11.56	54	27.94	33	10.96	29.46	100	97	A	V
	*	5220	109.73	-	-	95.17	33.06	10.98	29.48	100	97	P	V
	*	5220	102.52	-	-	87.96	33.06	10.98	29.48	100	97	A	V
		5459.44	53.07	-20.93	74	38.54	32.82	11.27	29.56	100	97	P	V
		5423.04	41.17	-12.83	54	26.67	32.85	11.2	29.55	100	97	A	V

802.11a CH 48 5240MHz		5059.54	53.56	-20.44	74	38.88	33.16	10.95	29.43	100	121		H
		5148.72	42.26	-11.74	54	27.76	33	10.96	29.46	100	121		H
	*	5240	111.09	-	-	96.56	33.02	11	29.49	100	121		H
	*	5240	103.67	-	-	89.14	33.02	11	29.49	100	121		H
		5350.52	53.06	-20.94	74	38.68	32.8	11.1	29.52	100	121		H
		5351.92	41.32	-12.68	54	26.94	32.8	11.1	29.52	100	121		H
		5137.54	53.84	-20.16	74	39.33	33	10.96	29.45	100	90		V
		5146.38	42.1	-11.9	54	27.6	33	10.96	29.46	100	90		V
	*	5240	110.7	-	-	96.17	33.02	11	29.49	100	90		V
	*	5240	103.3	-	-	88.77	33.02	11	29.49	100	90		V
		5383	53.06	-20.94	74	38.59	32.87	11.13	29.53	100	90		V
		5394.76	41.26	-12.74	54	26.76	32.89	11.15	29.54	100	90		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	48.27	-19.93	68.2	59.58	38.92	16.49	66.72	-	-	P	H
		15535	47.93	-26.07	74	55.88	37.93	20.24	66.12	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	48.21	-19.99	68.2	59.52	38.92	16.49	66.72	-	-	P	V
		15535	47.95	-26.05	74	55.9	37.93	20.24	66.12	-	-	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	48.44	-19.76	68.2	59.7	38.92	16.56	66.74	-	-	P	H
		15660	47.95	-26.05	74	56.5	37.44	20.29	66.28	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	47.28	-20.92	68.2	58.54	38.92	16.56	66.74	-	-	P	V
		15660	47.62	-26.38	74	56.17	37.44	20.29	66.28	-	-	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)
		10480	47.19	-21.01	68.2	58.51	38.84	16.59	66.75	-	-	P	H
		15720	47.87	-26.13	74	56.69	37.22	20.32	66.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 48 5240MHz													H
		10480	47.15	-21.05	68.2	58.47	38.84	16.59	66.75	-	-	P	V
		15720	47.68	-26.32	74	56.5	37.22	20.32	66.36	-	-	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)
		5147.94	58.2	-15.8	74	43.7	33	10.96	29.46	350	9	P	H
		5148.72	47.68	-6.32	54	33.18	33	10.96	29.46	350	9	A	H
	*	5180	110.73	-	-	96.18	33.06	10.96	29.47	350	9	P	H
	*	5180	99.97	-	-	85.42	33.06	10.96	29.47	350	9	A	H
802.11ax													H
HE20 Full													H
CH 36		5149.24	59.92	-14.08	74	45.42	33	10.96	29.46	108	90	P	V
5180MHz		5150	50.43	-3.57	54	35.93	33	10.96	29.46	108	90	A	V
	*	5180	112.06	-	-	97.51	33.06	10.96	29.47	108	90	P	V
	*	5180	102.73	-	-	88.18	33.06	10.96	29.47	108	90	A	V
													V
													V
		5029.12	53.73	-20.27	74	39	33.2	10.95	29.42	349	23	P	H
		5148.72	41.89	-12.11	54	27.39	33	10.96	29.46	349	23	A	H
	*	5220	108.6	-	-	94.04	33.06	10.98	29.48	349	23	P	H
	*	5220	99.1	-	-	84.54	33.06	10.98	29.48	349	23	A	H
802.11ax		5396.72	53.84	-20.16	74	39.34	32.89	11.15	29.54	349	23	P	H
HE20 Full		5460	41.14	-12.86	54	26.61	32.82	11.27	29.56	349	23	A	H
CH 44		5020.02	54.17	-19.83	74	39.44	33.2	10.95	29.42	100	91	P	V
5220MHz		5146.38	42.49	-11.51	54	27.99	33	10.96	29.46	100	91	A	V
	*	5220	112.47	-	-	97.91	33.06	10.98	29.48	100	91	P	V
	*	5220	102.02	-	-	87.46	33.06	10.98	29.48	100	91	A	V
		5385.52	53.05	-20.95	74	38.57	32.87	11.14	29.53	100	91	P	V
		5459.72	41.18	-12.82	54	26.65	32.82	11.27	29.56	100	91	A	V

		5105.04	53.55	-20.45	74	39.03	33	10.96	29.44	364	346	P	H
		5144.56	41.8	-12.2	54	27.3	33	10.96	29.46	364	346	A	H
	*	5240	109.98	-	-	95.45	33.02	11	29.49	364	346	P	H
	*	5240	99.45	-	-	84.92	33.02	11	29.49	364	346	A	H
802.11ax		5355.56	52.92	-21.08	74	38.52	32.81	11.11	29.52	364	346	P	H
HE20 Full		5459.44	41.15	-12.85	54	26.62	32.82	11.27	29.56	364	346	A	H
CH 48		5088.4	53.86	-20.14	74	39.3	33.05	10.95	29.44	103	90	P	V
5240MHz		5148.72	42.15	-11.85	54	27.65	33	10.96	29.46	103	90	A	V
	*	5240	112.61	-	-	98.08	33.02	11	29.49	103	90	P	V
	*	5240	102.43	-	-	87.9	33.02	11	29.49	103	90	A	V
		5413.24	53.19	-20.81	74	38.68	32.87	11.18	29.54	103	90	P	V
		5350.52	41.3	-12.7	54	26.92	32.8	11.1	29.52	103	90	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	47.73	-20.47	68.2	59.04	38.92	16.49	66.72	-	-	P	H
		15540	47.99	-26.01	74	55.95	37.92	20.25	66.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	47.27	-20.93	68.2	58.58	38.92	16.49	66.72	-	-	P	V
5180MHz		15540	47.1	-26.9	74	55.06	37.92	20.25	66.13	-	-	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	47.28	-20.92	68.2	58.54	38.92	16.56	66.74	-	-	P	H
		15660	47.2	-26.8	74	55.75	37.44	20.29	66.28	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	46.09	-22.11	68.2	57.35	38.92	16.56	66.74	-	-	P	V
5220MHz		15660	47.85	-26.15	74	56.4	37.44	20.29	66.28	-	-	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)
		10480	47	-21.2	68.2	58.32	38.84	16.59	66.75	-	-	P	H
		15720	47.88	-26.12	74	56.7	37.22	20.32	66.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	46.6	-21.6	68.2	57.92	38.84	16.59	66.75	-	-	P	V
5240MHz		15720	47.8	-26.2	74	56.62	37.22	20.32	66.36	-	-	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)
		5149.76	62.68	-11.32	74	48.18	33	10.96	29.46	100	122	P	H
		5149.5	51.1	-2.9	54	36.6	33	10.96	29.46	100	122	A	H
	*	5190	107.77	-	-	93.2	33.08	10.96	29.47	100	122	P	H
	*	5190	98.63	-	-	84.06	33.08	10.96	29.47	100	122	A	H
802.11ax		5385.8	52.75	-21.25	74	38.27	32.87	11.14	29.53	100	122	P	H
HE40 Full		5458.32	41.29	-12.71	54	26.76	32.82	11.27	29.56	100	122	A	H
CH 38		5144.3	60.18	-13.82	74	45.68	33	10.96	29.46	100	87	P	V
5190MHz		5144.82	48.96	-5.04	54	34.46	33	10.96	29.46	100	87	A	V
	*	5190	107.25	-	-	92.68	33.08	10.96	29.47	100	87	P	V
	*	5190	98.12	-	-	83.55	33.08	10.96	29.47	100	87	A	V
		5440.96	52.41	-21.59	74	37.91	32.82	11.23	29.55	100	87	P	V
		5459.16	41.26	-12.74	54	26.73	32.82	11.27	29.56	100	87	A	V
		5148.2	54.54	-19.46	74	40.04	33	10.96	29.46	100	122	P	H
		5148.98	44.78	-9.22	54	30.28	33	10.96	29.46	100	122	A	H
	*	5230	107.1	-	-	92.55	33.04	10.99	29.48	100	122	P	H
	*	5230	99.9	-	-	85.35	33.04	10.99	29.48	100	122	A	H
802.11ax		5394.48	53.66	-20.34	74	39.17	32.89	11.14	29.54	100	122	P	H
HE40 Full		5350	41.83	-12.17	54	27.45	32.8	11.1	29.52	100	122	A	H
CH 46		5133.9	55.61	-18.39	74	41.1	33	10.96	29.45	100	89	P	V
5230MHz		5144.04	43.93	-10.07	54	29.43	33	10.96	29.46	100	89	A	V
	*	5230	106.31	-	-	91.76	33.04	10.99	29.48	100	89	P	V
	*	5230	99.42	-	-	84.87	33.04	10.99	29.48	100	89	A	V
		5387.76	53.25	-20.75	74	38.76	32.88	11.14	29.53	100	89	P	V
		5351.36	41.85	-12.15	54	27.47	32.8	11.1	29.52	100	89	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	46.95	-21.25	68.2	58.22	38.96	16.5	66.73	-	-	P	H
		15570	47.94	-26.06	74	56	37.86	20.25	66.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	46.79	-21.41	68.2	58.06	38.96	16.5	66.73	-	-	P	V
5190MHz		15570	47.52	-26.48	74	55.58	37.86	20.25	66.17	-	-	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)
		10460	47.99	-20.21	68.2	59.28	38.88	16.57	66.74	-	-	P	H
		15690	47.45	-26.55	74	56.21	37.26	20.3	66.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	47.55	-20.65	68.2	58.84	38.88	16.57	66.74	-	-	P	V
5230MHz		15690	47.55	-26.45	74	56.31	37.26	20.3	66.32	-	-	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)
802.11ax HE80 Full CH 42 5210MHz		5128.18	60.49	-13.51	74	45.98	33	10.96	29.45	100	122	P	H
		5148.72	51.15	-2.85	54	36.65	33	10.96	29.46	100	122	A	H
	*	5210	104.39	-	-	89.82	33.08	10.97	29.48	100	122	P	H
	*	5210	96.93	-	-	82.36	33.08	10.97	29.48	100	122	A	H
		5398.4	53.9	-20.1	74	39.39	32.9	11.15	29.54	100	122	P	H
		5356.4	42.26	-11.74	54	27.86	32.81	11.11	29.52	100	122	A	H
		5143.26	59.13	-14.87	74	44.63	33	10.96	29.46	100	89	P	V
		5144.04	49.59	-4.41	54	35.09	33	10.96	29.46	100	89	A	V
	*	5210	104.16	-	-	89.59	33.08	10.97	29.48	100	89	P	V
	*	5210	95.75	-	-	81.18	33.08	10.97	29.48	100	89	A	V
		5364.8	54.96	-19.04	74	40.54	32.83	11.12	29.53	100	89	P	V
		5355.28	42.02	-11.98	54	27.62	32.81	11.11	29.52	100	89	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	46.29	-21.91	68.2	57.53	38.96	16.54	66.74	-	-	P	H
		15630	47.28	-26.72	74	55.62	37.62	20.28	66.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	46.53	-21.67	68.2	57.77	38.96	16.54	66.74	-	-	P	V
5210MHz		15630	47.45	-26.55	74	55.79	37.62	20.28	66.24	-	-	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		5053.38	52.3	-21.7	74	37.59	33.19	10.95	29.43	247	58	P	H
		5148.58	41.9	-12.1	54	27.4	33	10.96	29.46	247	58	A	H
	*	5260	111.67	-	-	97.16	32.98	11.02	29.49	247	58	P	H
	*	5260	103.43	-	-	88.92	32.98	11.02	29.49	247	58	A	H
		5385.12	53.73	-20.27	74	39.25	32.87	11.14	29.53	247	58	P	H
		5350.08	41.63	-12.37	54	27.25	32.8	11.1	29.52	247	58	A	H
		5130.9	52.71	-21.29	74	38.2	33	10.96	29.45	353	99	P	V
		5149.26	41.87	-12.13	54	27.37	33	10.96	29.46	353	99	A	V
	*	5260	111.78	-	-	97.27	32.98	11.02	29.49	353	99	P	V
	*	5260	103.37	-	-	88.86	32.98	11.02	29.49	353	99	A	V
		5357.04	52.42	-21.58	74	38.02	32.81	11.11	29.52	353	99	P	V
		5351.28	41.59	-12.41	54	27.21	32.8	11.1	29.52	353	99	A	V
802.11a CH 60 5300MHz		5097.58	53.14	-20.86	74	38.62	33.01	10.95	29.44	240	56	P	H
		5057.8	41.74	-12.26	54	27.05	33.17	10.95	29.43	240	56	A	H
	*	5300	111.05	-	-	96.6	32.9	11.06	29.51	240	56	P	H
	*	5300	102.66	-	-	88.21	32.9	11.06	29.51	240	56	A	H
		5353.92	53.13	-20.87	74	38.73	32.81	11.11	29.52	240	56	P	H
		5350.08	43.52	-10.48	54	29.14	32.8	11.1	29.52	240	56	A	H
		5082.96	53.11	-20.89	74	38.53	33.07	10.95	29.44	357	99	P	V
		5147.9	41.71	-12.29	54	27.21	33	10.96	29.46	357	99	A	V
	*	5300	111.37	-	-	96.92	32.9	11.06	29.51	357	99	P	V
	*	5300	103.11	-	-	88.66	32.9	11.06	29.51	357	99	A	V
		5350.56	53.65	-20.35	74	39.27	32.8	11.1	29.52	357	99	P	V
		5351.76	43.61	-10.39	54	29.23	32.8	11.1	29.52	357	99	A	V

802.11a CH 64 5320MHz	*	5320	110.89	-	-	96.47	32.86	11.07	29.51	241	58	P	H
	*	5320	103.7	-	-	89.28	32.86	11.07	29.51	241	58	A	H
		5350.24	60.95	-13.05	74	46.57	32.8	11.1	29.52	241	58	P	H
		5350.08	50.45	-3.55	54	36.07	32.8	11.1	29.52	241	58	A	H
													H
													H
	*	5320	112.03	-	-	97.61	32.86	11.07	29.51	363	98	P	V
	*	5320	103.48	-	-	89.06	32.86	11.07	29.51	363	98	A	V
		5350.56	60.72	-13.28	74	46.34	32.8	11.1	29.52	363	98	P	V
		5350.08	50.08	-3.92	54	35.7	32.8	11.1	29.52	363	98	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	46.36	-21.84	68.2	57.97	38.88	16.23	66.72	-	-	P	H
		15780	45.79	-28.21	74	54.78	37.28	20.16	66.43	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	45.9	-22.3	68.2	57.51	38.88	16.23	66.72	-	-	P	V
		15780	45.38	-28.62	74	54.37	37.28	20.16	66.43	-	-	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	46.38	-27.62	74	57.1	39.2	16.7	66.62	-	-	P	H
		15900	45.77	-28.23	74	54.77	37.2	20.38	66.58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 60 5300MHz													H
		10600	46.38	-27.62	74	57.1	39.2	16.7	66.62	-	-	P	V
		15900	45.3	-28.7	74	54.3	37.2	20.38	66.58	-	-	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	47.05	-26.95	74	57.69	39.2	16.73	66.57	-	-	P	H
		15960	45.41	-28.59	74	54.52	37.14	20.41	66.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz													H
		10640	47.82	-26.18	74	58.46	39.2	16.73	66.57	-	-	P	V
		15960	45.39	-28.61	74	54.5	37.14	20.41	66.66	-	-	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)
		5037.4	53.19	-20.81	74	38.46	33.2	10.95	29.42	100	122	P	H
		5147.56	42.45	-11.55	54	27.95	33	10.96	29.46	100	122	A	H
	*	5260	114.46	-	-	99.95	32.98	11.02	29.49	100	122	P	H
	*	5260	104.34	-	-	89.83	32.98	11.02	29.49	100	122	A	H
802.11ax		5369.28	53.85	-20.15	74	39.42	32.84	11.12	29.53	100	122	P	H
HE20 Full		5350.08	41.97	-12.03	54	27.59	32.8	11.1	29.52	100	122	A	H
CH 52		5089.76	53.78	-20.22	74	39.23	33.04	10.95	29.44	235	33	P	V
5260MHz		5147.22	42.16	-11.84	54	27.66	33	10.96	29.46	235	33	A	V
	*	5260	109.76	-	-	95.25	32.98	11.02	29.49	235	33	P	V
	*	5260	99.85	-	-	85.34	32.98	11.02	29.49	235	33	A	V
		5370	53.69	-20.31	74	39.26	32.84	11.12	29.53	235	33	P	V
		5350.08	41.64	-12.36	54	27.26	32.8	11.1	29.52	235	33	A	V
		5083.64	53.57	-20.43	74	38.99	33.07	10.95	29.44	100	123	P	H
		5145.86	42.2	-11.8	54	27.7	33	10.96	29.46	100	123	A	H
	*	5300	114.78	-	-	100.33	32.9	11.06	29.51	100	123	P	H
	*	5300	104.56	-	-	90.11	32.9	11.06	29.51	100	123	A	H
802.11ax		5359.2	54.58	-19.42	74	40.17	32.82	11.11	29.52	100	123	P	H
HE20 Full		5350.08	44.39	-9.61	54	30.01	32.8	11.1	29.52	100	123	A	H
CH 60		5035.02	53.65	-20.35	74	38.92	33.2	10.95	29.42	243	67	P	V
5300MHz		5060.18	42.12	-11.88	54	27.44	33.16	10.95	29.43	243	67	A	V
	*	5300	110.63	-	-	96.18	32.9	11.06	29.51	243	67	P	V
	*	5300	100	-	-	85.55	32.9	11.06	29.51	243	67	A	V
		5350.32	54.87	-19.13	74	40.49	32.8	11.1	29.52	243	67	P	V
		5350.08	44.14	-9.86	54	29.76	32.8	11.1	29.52	243	67	A	V

	*	5320	112.58	-	-	98.16	32.86	11.07	29.51	100	50	P	H
	*	5320	102.93	-	-	88.51	32.86	11.07	29.51	100	50	A	H
		5352.32	59.62	-14.38	74	45.24	32.8	11.1	29.52	100	50	P	H
		5350.08	49.38	-4.62	54	35	32.8	11.1	29.52	100	50	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	109.99	-	-	95.57	32.86	11.07	29.51	291	68	P	V
5320MHz	*	5320	100.52	-	-	86.1	32.86	11.07	29.51	291	68	A	V
		5350.24	59.61	-14.39	74	45.23	32.8	11.1	29.52	291	68	P	V
		5350.08	49.36	-4.64	54	34.98	32.8	11.1	29.52	291	68	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	48.27	-19.93	68.2	59.48	38.88	16.63	66.72	-	-	P	H
		15780	47.93	-26.07	74	56.74	37.28	20.34	66.43	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	48.78	-19.42	68.2	59.99	38.88	16.63	66.72	-	-	P	V
5260MHz		15780	47.19	-26.81	74	56	37.28	20.34	66.43	-	-	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)
		10600	47.88	-26.12	74	58.6	39.2	16.7	66.62	-	-	P	H
		15900	47.41	-26.59	74	56.41	37.2	20.38	66.58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	47.87	-26.13	74	58.59	39.2	16.7	66.62	-	-	P	V
5300MHz		15900	47.86	-26.14	74	56.86	37.2	20.38	66.58	-	-	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	47.67	-26.33	74	58.31	39.2	16.73	66.57	-	-	P	H
		15960	47.06	-26.94	74	56.17	37.14	20.41	66.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	47.45	-26.55	74	58.09	39.2	16.73	66.57	-	-	P	V
5320MHz		15960	47.5	-26.5	74	56.61	37.14	20.41	66.66	-	-	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)
		5111.18	53.61	-20.39	74	39.1	33	10.96	29.45	100	122	P	H
		5148.92	43.47	-10.53	54	28.97	33	10.96	29.46	100	122	A	H
	*	5270	112.11	-	-	97.62	32.96	11.03	29.5	100	122	P	H
	*	5270	100.81	-	-	86.32	32.96	11.03	29.5	100	122	A	H
802.11ax		5367.6	54.88	-19.12	74	40.45	32.84	11.12	29.53	100	122	P	H
HE40 Full		5358	43.71	-10.29	54	29.3	32.82	11.11	29.52	100	122	A	H
CH 54		5036.04	53.65	-20.35	74	38.92	33.2	10.95	29.42	119	107	P	V
5270MHz		5144.16	42.86	-11.14	54	28.36	33	10.96	29.46	119	107	A	V
	*	5270	108.39	-	-	93.9	32.96	11.03	29.5	119	107	P	V
	*	5270	99.04	-	-	84.55	32.96	11.03	29.5	119	107	A	V
		5391.12	54.38	-19.62	74	39.9	32.88	11.14	29.54	119	107	P	V
		5352.24	43.54	-10.46	54	29.16	32.8	11.1	29.52	119	107	A	V
		5077.18	53.6	-20.4	74	38.99	33.09	10.95	29.43	242	122	P	H
		5068.68	42.18	-11.82	54	27.53	33.13	10.95	29.43	242	122	A	H
	*	5310	108.03	-	-	93.6	32.88	11.06	29.51	242	122	P	H
	*	5314	98.64	-	-	84.21	32.87	11.07	29.51	242	122	A	H
802.11ax		5351.76	60.59	-13.41	74	46.21	32.8	11.1	29.52	242	122	P	H
HE40 Full		5353.92	49.81	-4.19	54	35.41	32.81	11.11	29.52	242	122	A	H
CH 62		5044.54	53.82	-20.18	74	39.09	33.2	10.95	29.42	400	71	P	V
5310MHz		5060.18	42.17	-11.83	54	27.49	33.16	10.95	29.43	400	71	A	V
	*	5310	107.38	-	-	92.95	32.88	11.06	29.51	400	71	P	V
	*	5310	96.97	-	-	82.54	32.88	11.06	29.51	400	71	A	V
		5350.32	59.01	-14.99	74	44.63	32.8	11.1	29.52	400	71	P	V
		5350.08	50.51	-3.49	54	36.13	32.8	11.1	29.52	400	71	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	47.94	-20.26	68.2	59.03	38.96	16.65	66.7	-	-	P	H
		15810	47.97	-26.03	74	56.81	37.29	20.34	66.47	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	47.21	-20.99	68.2	58.3	38.96	16.65	66.7	-	-	P	V
5270MHz		15810	47.5	-26.5	74	56.34	37.29	20.34	66.47	-	-	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	47.95	-26.05	74	58.62	39.2	16.72	66.59	-	-	P	H
		15930	46.75	-27.25	74	55.81	37.17	20.39	66.62	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	47.95	-26.05	74	58.62	39.2	16.72	66.59	-	-	P	V
5310MHz		15930	47.59	-26.41	74	56.65	37.17	20.39	66.62	-	-	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		5086.02	52.87	-21.13	74	38.3	33.06	10.95	29.44	240	59	P	H
		5146.2	42.8	-11.2	54	28.3	33	10.96	29.46	240	59	A	H
	*	5290	103.82	-	-	89.35	32.92	11.05	29.5	240	59	P	H
	*	5290	94.49	-	-	80.02	32.92	11.05	29.5	240	59	A	H
		5356.56	61.05	-12.95	74	46.65	32.81	11.11	29.52	240	59	P	H
		5354.88	51.79	-2.21	54	37.39	32.81	11.11	29.52	240	59	A	H
		5085.68	53.35	-20.65	74	38.78	33.06	10.95	29.44	100	99	P	V
		5144.5	42.86	-11.14	54	28.36	33	10.96	29.46	100	99	A	V
	*	5290	103.58	-	-	89.11	32.92	11.05	29.5	100	99	P	V
	*	5290	94.81	-	-	80.34	32.92	11.05	29.5	100	99	A	V
		5364.24	60.37	-13.63	74	45.95	32.83	11.12	29.53	100	99	P	V
		5352.72	51.05	-2.95	54	36.65	32.81	11.11	29.52	100	99	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	47.37	-20.83	68.2	58.22	39.12	16.68	66.65	-	-	P	H
		15870	47.13	-26.87	74	56.08	37.23	20.37	66.55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	47.23	-20.97	68.2	58.08	39.12	16.68	66.65	-	-	P	V
5290MHz		15870	46.66	-27.34	74	55.61	37.23	20.37	66.55	-	-	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		5459.92	59.36	-14.64	74	44.83	32.82	11.27	29.56	246	61	P	H
		5467.92	62.79	-5.41	68.2	48.22	32.84	11.29	29.56	246	61	P	H
		5459.28	48.52	-5.48	54	33.99	32.82	11.27	29.56	246	61	A	H
	*	5500	112.15	-	-	97.47	32.9	11.35	29.57	246	61	P	H
	*	5500	103.08	-	-	88.4	32.9	11.35	29.57	246	61	A	H
													H
		5459.28	59.01	-14.99	74	44.48	32.82	11.27	29.56	111	81	P	V
		5469.36	62.1	-6.1	68.2	47.53	32.84	11.29	29.56	111	81	P	V
		5460	48.41	-5.59	54	33.88	32.82	11.27	29.56	111	81	A	V
	*	5500	112.26	-	-	97.58	32.9	11.35	29.57	111	81	P	V
	*	5500	103.42	-	-	88.74	32.9	11.35	29.57	111	81	A	V
													V
802.11a CH 116 5580MHz		5417.44	54.89	-19.11	74	40.38	32.87	11.18	29.54	100	61	P	H
		5466.64	52.16	-16.04	68.2	37.61	32.83	11.28	29.56	100	61	P	H
		5459.92	41.65	-12.35	54	27.12	32.82	11.27	29.56	100	61	A	H
	*	5580	112.25	-	-	97.3	33.02	11.51	29.58	100	61	P	H
	*	5580	103.5	-	-	88.55	33.02	11.51	29.58	100	61	A	H
		5760.275	53.63	-14.57	68.2	37.84	33.66	11.75	29.62	100	61	P	H
		5358.88	53.88	-20.12	74	39.47	32.82	11.11	29.52	100	80	P	V
		5463.04	52.75	-15.45	68.2	38.2	32.83	11.28	29.56	100	80	P	V
		5459.92	41.59	-12.41	54	27.06	32.82	11.27	29.56	100	80	A	V
	*	5580	111.29	-	-	96.34	33.02	11.51	29.58	100	80	P	V
	*	5580	102.87	-	-	87.92	33.02	11.51	29.58	100	80	A	V
		5737.91	54.6	-13.6	68.2	38.94	33.55	11.72	29.61	100	80	P	V

802.11a CH 140 5700MHz	*	5700	109.75	-	-	94.28	33.4	11.68	29.61	107	9	P	H
	*	5700	101.76	-	-	86.29	33.4	11.68	29.61	107	9	A	H
		5725.08	61.2	-7	68.2	45.6	33.5	11.71	29.61	107	9	P	H
													H
													H
													H
	*	5700	110.14	-	-	94.67	33.4	11.68	29.61	112	82	P	V
	*	5700	101.32	-	-	85.85	33.4	11.68	29.61	112	82	A	V
		5725.24	58.88	-9.32	68.2	43.28	33.5	11.71	29.61	112	82	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	47.96	-26.04	74	58.11	38.9	17.05	66.1	-	-	P	H
		16500	51.01	-17.19	68.2	58.25	38.1	20.98	66.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 100 5500MHz													H
		11000	47.85	-26.15	74	58	38.9	17.05	66.1	-	-	P	V
		16500	50.46	-17.74	68.2	57.7	38.1	20.98	66.32	-	-	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	47.55	-26.45	74	57.44	39.06	17.19	66.14	-	-	P	H
		16740	50.08	-18.12	68.2	57.14	38.06	21.25	66.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	47.64	-26.36	74	57.53	39.06	17.19	66.14	-	-	P	V
		16740	50.13	-18.07	68.2	57.19	38.06	21.25	66.37	-	-	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)
		11400	47.66	-26.34	74	57.28	39.2	17.38	66.2	-	-	P	H
		17100	46.86	-21.34	68.2	53.59	38	21.58	66.31	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz													H
		11400	47.15	-26.85	74	56.77	39.2	17.38	66.2	-	-	P	V
		17100	46	-22.2	68.2	52.73	38	21.58	66.31	-	-	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)
		5459.28	59.36	-14.64	74	44.83	32.82	11.27	29.56	100	63	P	H
		5468.24	63.92	-4.28	68.2	49.35	32.84	11.29	29.56	100	63	P	H
		5458	48.36	-5.64	54	33.83	32.82	11.27	29.56	100	63	A	H
	*	5500	115	-	-	100.32	32.9	11.35	29.57	100	63	P	H
802.11ax	*	5500	103.55	-	-	88.87	32.9	11.35	29.57	100	63	A	H
HE20 Full													H
CH 100		5459.76	55.95	-18.05	74	41.42	32.82	11.27	29.56	400	82	P	V
5500MHz		5468.4	58.41	-9.79	68.2	43.84	32.84	11.29	29.56	400	82	P	V
		5460	45.49	-8.51	54	30.96	32.82	11.27	29.56	400	82	A	V
	*	5500	112.84	-	-	98.16	32.9	11.35	29.57	400	82	P	V
	*	5500	102.95	-	-	88.27	32.9	11.35	29.57	400	82	A	V
													V
		5394.64	54.04	-19.96	74	39.55	32.89	11.14	29.54	103	22	P	H
		5460.64	54.09	-14.11	68.2	39.56	32.82	11.27	29.56	103	22	P	H
		5459.92	41.75	-12.25	54	27.22	32.82	11.27	29.56	103	22	A	H
	*	5580	113.57	-	-	98.62	33.02	11.51	29.58	103	22	P	H
802.11ax	*	5580	103.11	-	-	88.16	33.02	11.51	29.58	103	22	A	H
HE20 Full		5744.84	54.02	-14.18	68.2	38.32	33.58	11.73	29.61	103	22	P	H
CH 116		5443.36	53.66	-20.34	74	39.16	32.81	11.24	29.55	119	89	P	V
5580MHz		5468.56	52.77	-15.43	68.2	38.2	32.84	11.29	29.56	119	89	P	V
		5459.68	41.41	-12.59	54	26.88	32.82	11.27	29.56	119	89	A	V
	*	5580	114.52	-	-	99.57	33.02	11.51	29.58	119	89	P	V
	*	5580	103.32	-	-	88.37	33.02	11.51	29.58	119	89	A	V
		5747.99	53.68	-14.52	68.2	37.97	33.59	11.73	29.61	119	89	P	V

	*	5700	112.96	-	-	97.49	33.4	11.68	29.61	109	8	P	H
	*	5700	102.1	-	-	86.63	33.4	11.68	29.61	109	8	A	H
		5726.12	62.48	-5.72	68.2	46.88	33.5	11.71	29.61	109	8	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	113.77	-	-	98.3	33.4	11.68	29.61	100	81	P	V
5700MHz	*	5700	102.98	-	-	87.51	33.4	11.68	29.61	100	81	A	V
		5726.04	60.78	-7.42	68.2	45.18	33.5	11.71	29.61	100	81	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	47.28	-26.72	74	57.43	38.9	17.05	66.1	-	-	P	H
		16500	47.18	-21.02	68.2	54.42	38.1	20.98	66.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	46.82	-27.18	74	56.97	38.9	17.05	66.1	-	-	P	V
5500MHz		16500	47.92	-20.28	68.2	55.16	38.1	20.98	66.32	-	-	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)
		11160	46.21	-27.79	74	56.1	39.06	17.19	66.14	-	-	P	H
		16740	47.55	-20.65	68.2	54.61	38.06	21.25	66.37	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	46.58	-27.42	74	56.47	39.06	17.19	66.14	-	-	P	V
5580MHz		16740	47.76	-20.44	68.2	54.82	38.06	21.25	66.37	-	-	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)
		11400	46.59	-27.41	74	56.21	39.2	17.38	66.2	-	-	P	H
		17100	45.51	-22.69	68.2	52.24	38	21.58	66.31	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	46.46	-27.54	74	56.08	39.2	17.38	66.2	-	-	P	V
5700MHz		17100	46.38	-21.82	68.2	53.11	38	21.58	66.31	-	-	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)
		5458.72	61.42	-12.58	74	46.89	32.82	11.27	29.56	100	121	P	H
		5467.12	66.47	-1.73	68.2	51.92	32.83	11.28	29.56	100	121	P	H
		5458.96	49.91	-4.09	54	35.38	32.82	11.27	29.56	100	121	A	H
	*	5510	106.89	-	-	92.19	32.9	11.37	29.57	100	121	P	H
802.11ax	*	5510	100.02	-	-	85.32	32.9	11.37	29.57	100	121	A	H
HE40 Full		5745.785	54.68	-13.52	68.2	38.98	33.58	11.73	29.61	100	121	P	H
CH 102		5459.68	60.65	-13.35	74	46.12	32.82	11.27	29.56	100	92	P	V
5510MHz		5462.08	62.53	-5.67	68.2	48	32.82	11.27	29.56	100	92	P	V
		5459.92	49.61	-4.39	54	35.08	32.82	11.27	29.56	100	92	A	V
	*	5510	107.99	-	-	93.29	32.9	11.37	29.57	100	92	P	V
	*	5510	100.3	-	-	85.6	32.9	11.37	29.57	100	92	A	V
		5754.29	53.73	-14.47	68.2	37.98	33.63	11.74	29.62	100	92	P	V
		5455.36	56.07	-17.93	74	41.56	32.81	11.26	29.56	100	8	P	H
		5469.76	59.13	-9.07	68.2	44.56	32.84	11.29	29.56	100	8	P	H
		5459.92	46.34	-7.66	54	31.81	32.82	11.27	29.56	100	8	A	H
	*	5550	110	-	-	95.23	32.9	11.45	29.58	100	8	P	H
802.11ax	*	5550	100.34	-	-	85.57	32.9	11.45	29.58	100	8	A	H
HE40 Full		5762.48	55.18	-13.02	68.2	39.38	33.67	11.75	29.62	100	8	P	H
CH 110		5452.48	56.72	-17.28	74	42.22	32.8	11.25	29.55	110	90	P	V
5550MHz		5462.08	57.45	-10.75	68.2	42.92	32.82	11.27	29.56	110	90	P	V
		5459.92	46.18	-7.82	54	31.65	32.82	11.27	29.56	110	90	A	V
	*	5550	109.88	-	-	95.11	32.9	11.45	29.58	110	90	P	V
	*	5550	101.08	-	-	86.31	32.9	11.45	29.58	110	90	A	V
		5749.88	54.28	-13.92	68.2	38.55	33.6	11.74	29.61	110	90	P	V

		5399	53.18	-20.82	74	38.67	32.9	11.15	29.54	100	120	P	H
		5468.3	51.82	-16.38	68.2	37.25	32.84	11.29	29.56	100	120	P	H
		5457.8	41.81	-12.19	54	27.28	32.82	11.27	29.56	100	120	A	H
	*	5670	108.74	-	-	93.54	33.16	11.64	29.6	100	120	P	H
802.11ax	*	5670	98.53	-	-	83.33	33.16	11.64	29.6	100	120	A	H
HE40 Full		5725.275	56.88	-11.32	68.2	41.28	33.5	11.71	29.61	100	120	P	H
CH 134		5365.05	53.2	-20.8	74	38.78	32.83	11.12	29.53	100	88	P	V
5670MHz		5470	51.8	-16.4	68.2	37.23	32.84	11.29	29.56	100	88	P	V
		5440.65	41.62	-12.38	54	27.12	32.82	11.23	29.55	100	88	A	V
	*	5670	107.47	-	-	92.27	33.16	11.64	29.6	100	88	P	V
	*	5670	99.19	-	-	83.99	33.16	11.64	29.6	100	88	A	V
		5739.8	57.03	-11.17	68.2	41.36	33.56	11.72	29.61	100	88	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	45.95	-28.05	74	56.05	38.92	17.08	66.1	-	-	P	H
		16530	47.35	-20.85	68.2	54.57	38.1	21.01	66.33	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	45.74	-28.26	74	55.84	38.92	17.08	66.1	-	-	P	V
5510MHz		16530	46.46	-21.74	68.2	53.68	38.1	21.01	66.33	-	-	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)
		11100	46.04	-27.96	74	56.02	39	17.14	66.12	-	-	P	H
		16650	48.2	-20	68.2	55.3	38.1	21.15	66.35	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	46.31	-27.69	74	56.29	39	17.14	66.12	-	-	P	V
5550MHz		16650	47.6	-20.6	68.2	54.7	38.1	21.15	66.35	-	-	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	45.7	-28.3	74	55.34	39.2	17.34	66.18	-	-	P	H
		17010	47.72	-20.48	68.2	54.59	38	21.54	66.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	46.72	-27.28	74	56.36	39.2	17.34	66.18	-	-	P	V
5670MHz		17010	46.59	-21.61	68.2	53.46	38	21.54	66.41	-	-	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)
		5457.28	62.86	-11.14	74	48.35	32.81	11.26	29.56	100	64	P	H
		5469.28	64.73	-3.47	68.2	50.16	32.84	11.29	29.56	100	64	P	H
		5458.48	52.03	-1.97	54	37.5	32.82	11.27	29.56	100	64	A	H
	*	5530	102.49	-	-	87.76	32.9	11.41	29.58	100	64	P	H
802.11ax	*	5530	92.3	-	-	77.57	32.9	11.41	29.58	100	64	A	H
HE80 Full		5765	54.18	-14.02	68.2	38.35	33.69	11.76	29.62	100	64	P	H
CH 106		5452.96	59.77	-14.23	74	45.25	32.81	11.26	29.55	100	82	P	V
5530MHz		5463.52	61.67	-6.53	68.2	47.12	32.83	11.28	29.56	100	82	P	V
		5453.44	49.48	-4.52	54	34.97	32.81	11.26	29.56	100	82	A	V
	*	5530	100.85	-	-	86.12	32.9	11.41	29.58	100	82	P	V
	*	5530	91.1	-	-	76.37	32.9	11.41	29.58	100	82	A	V
		5763.425	54.61	-13.59	68.2	38.8	33.68	11.75	29.62	100	82	P	V
		5458.48	55.07	-18.93	74	40.54	32.82	11.27	29.56	100	64	P	H
		5470	54.43	-13.77	68.2	39.86	32.84	11.29	29.56	100	64	P	H
		5457.76	43.23	-10.77	54	28.7	32.82	11.27	29.56	100	64	A	H
	*	5610	105.27	-	-	90.22	33.08	11.56	29.59	100	64	P	H
802.11ax	*	5610	95.62	-	-	80.57	33.08	11.56	29.59	100	64	A	H
HE80 Full		5725	55.66	-12.54	68.2	40.06	33.5	11.71	29.61	100	64	P	H
CH 122		5453.44	53.97	-20.03	74	39.46	32.81	11.26	29.56	107	84	P	V
5610MHz		5469.28	53.94	-14.26	68.2	39.37	32.84	11.29	29.56	107	84	P	V
		5459.92	42.83	-11.17	54	28.3	32.82	11.27	29.56	107	84	A	V
	*	5610	105.02	-	-	89.97	33.08	11.56	29.59	107	84	P	V
	*	5610	95.63	-	-	80.58	33.08	11.56	29.59	107	84	A	V
		5729.09	54.85	-13.35	68.2	39.23	33.52	11.71	29.61	107	84	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	45.29	-28.71	74	55.33	38.96	17.11	66.11	-	-	P	H
		16590	46.55	-21.65	68.2	53.71	38.1	21.08	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	45.61	-28.39	74	55.65	38.96	17.11	66.11	-	-	P	V
5530MHz		16590	47.38	-20.82	68.2	54.54	38.1	21.08	66.34	-	-	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	45.83	-28.17	74	55.62	39.12	17.24	66.15	-	-	P	H
		16830	46.25	-21.95	68.2	53.35	37.94	21.35	66.39	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	45.84	-28.16	74	55.63	39.12	17.24	66.15	-	-	P	V
5610MHz		16830	46.7	-21.5	68.2	53.8	37.94	21.35	66.39	-	-	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		5392.12	54.97	-19.03	74	40.49	32.88	11.14	29.54	263	59	P	H
		5466.61	53.42	-14.78	68.2	38.87	32.83	11.28	29.56	263	59	P	H
		5459.2	41.15	-12.85	54	26.62	32.82	11.27	29.56	263	59	A	H
	*	5720	112.05	-	-	96.48	33.48	11.7	29.61	263	59	P	H
	*	5720	104.86	-	-	89.29	33.48	11.7	29.61	263	59	A	H
		5887.25	56.44	-11.76	68.2	39.96	34.25	11.87	29.64	263	59	P	H
		5453.74	54.27	-19.73	74	39.76	32.81	11.26	29.56	100	86	P	V
		5470	53.94	-14.26	68.2	39.37	32.84	11.29	29.56	100	86	P	V
		5459.98	41.15	-12.85	54	26.62	32.82	11.27	29.56	100	86	A	V
	*	5720	110.04	-	-	94.47	33.48	11.7	29.61	100	86	P	V
	*	5720	102.7	-	-	87.13	33.48	11.7	29.61	100	86	A	V
		5946.75	56.05	-12.15	68.2	39.49	34.3	11.91	29.65	100	86	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	47.29	-26.71	74	56.88	39.2	17.42	66.21	-	-	P	H
		17160	46.78	-21.42	68.2	53.16	38.24	21.62	66.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	46.8	-27.2	74	56.39	39.2	17.42	66.21	-	-	P	V
		17160	46.28	-21.92	68.2	52.66	38.24	21.62	66.24	-	-	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)
		5432.68	54.73	-19.27	74	40.23	32.83	11.22	29.55	102	10	P	H
		5460.76	53.55	-14.65	68.2	39.02	32.82	11.27	29.56	102	10	P	H
		5412.4	41.11	-12.89	54	26.6	32.88	11.17	29.54	102	10	A	H
	*	5720	114.15	-	-	98.58	33.48	11.7	29.61	102	10	P	H
802.11ax	*	5720	103.27	-	-	87.7	33.48	11.7	29.61	102	10	A	H
HE20 Full		5862.25	56.82	-11.38	68.2	40.46	34.15	11.85	29.64	102	10	P	H
CH 144		5363.65	54.74	-19.26	74	40.32	32.83	11.12	29.53	107	87	P	V
5720MHz		5466.22	53.18	-15.02	68.2	38.63	32.83	11.28	29.56	107	87	P	V
		5459.59	41.09	-12.91	54	26.56	32.82	11.27	29.56	107	87	A	V
	*	5720	113.75	-	-	98.18	33.48	11.7	29.61	107	87	P	V
	*	5720	103.58	-	-	88.01	33.48	11.7	29.61	107	87	A	V
		5883.75	56.51	-11.69	68.2	40.05	34.24	11.86	29.64	107	87	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	47.53	-26.47	74	57.12	39.2	17.42	66.21	-	-	P	H
		17160	46.84	-21.36	68.2	53.22	38.24	21.62	66.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	46.58	-27.42	74	56.17	39.2	17.42	66.21	-	-	P	V
5720MHz		17160	46.98	-21.22	68.2	53.36	38.24	21.62	66.24	-	-	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)
802.11ax HE40 Full CH 142 5710MHz		5368.33	55.22	-18.78	74	40.79	32.84	11.12	29.53	110	4	P	H
		5460.76	54.41	-13.79	68.2	39.88	32.82	11.27	29.56	110	4	P	H
		5459.98	41.25	-12.75	54	26.72	32.82	11.27	29.56	110	4	A	H
	*	5710	110.04	-	-	94.52	33.44	11.69	29.61	110	4	P	H
	*	5710	100.22	-	-	84.7	33.44	11.69	29.61	110	4	A	H
		5870.5	57.35	-10.85	68.2	40.96	34.18	11.85	29.64	110	4	P	H
		5360.14	54.61	-19.39	74	40.21	32.82	11.11	29.53	100	91	P	V
		5469.34	54.6	-13.6	68.2	40.03	32.84	11.29	29.56	100	91	P	V
		5459.59	41.33	-12.67	54	26.8	32.82	11.27	29.56	100	91	A	V
	*	5710	110.19	-	-	94.67	33.44	11.69	29.61	100	91	P	V
	*	5710	100	-	-	84.48	33.44	11.69	29.61	100	91	A	V
		5907.25	57.02	-11.18	68.2	40.48	34.3	11.88	29.64	100	91	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	45.78	-28.22	74	55.38	39.2	17.4	66.2	-	-	P	H
		17130	46.38	-21.82	68.2	52.93	38.12	21.61	66.28	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	46.24	-27.76	74	55.84	39.2	17.4	66.2	-	-	P	V
5710MHz		17130	46.24	-21.96	68.2	52.79	38.12	21.61	66.28	-	-	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)
802.11ax HE80 Full CH 138 5690MHz		5385.88	54.49	-19.51	74	40.01	32.87	11.14	29.53	100	63	P	H
		5465.83	53.83	-14.37	68.2	39.28	32.83	11.28	29.56	100	63	P	H
		5459.59	41.5	-12.5	54	26.97	32.82	11.27	29.56	100	63	A	H
	*	5690	106.01	-	-	90.63	33.32	11.66	29.6	100	63	P	H
	*	5690	95.78	-	-	80.4	33.32	11.66	29.6	100	63	A	H
		5885.75	57.3	-10.9	68.2	40.84	34.24	11.86	29.64	100	63	P	H
		5362.09	54.52	-19.48	74	40.12	32.82	11.11	29.53	100	84	P	V
		5470	53.52	-14.68	68.2	38.95	32.84	11.29	29.56	100	84	P	V
		5459.59	41.43	-12.57	54	26.9	32.82	11.27	29.56	100	84	A	V
	*	5690	104.54	-	-	89.16	33.32	11.66	29.6	100	84	P	V
	*	5690	95.11	-	-	79.73	33.32	11.66	29.6	100	84	A	V
		5905	56.18	-12.02	68.2	39.64	34.3	11.88	29.64	100	84	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	46.82	-27.18	74	56.44	39.2	17.37	66.19	-	-	P	H
		17070	48.36	-19.84	68.2	55.13	38	21.57	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	47.43	-26.57	74	57.05	39.2	17.37	66.19	-	-	P	V
5690MHz		17070	48.4	-19.8	68.2	55.17	38	21.57	66.34	-	-	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		21136	37.25	-36.75	74	57.49	37.78	-3.32	54.7	-	-	P	H
		33546	43.53	-24.67	68.2	61.93	40.88	-1.92	57.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		20384	35.08	-38.92	74	55.58	37.91	-3.51	54.9	-	-	P	V
		35240	43.48	-24.72	68.2	61.43	42.01	-1.36	58.6	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against 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	21.3	-18.7	40	28.32	24.63	0.53	32.18	-	-	P	H
		95.96	33.46	-10.04	43.5	48.79	15.41	1.51	32.25	-	-	P	H
		181.32	32.9	-10.6	43.5	48.09	15.01	2.12	32.32	-	-	P	H
		341.37	21.25	-24.75	46	30.55	20.27	2.83	32.4	-	-	P	H
		555.74	26.6	-19.4	46	29.66	25.86	3.68	32.6	-	-	P	H
		851.59	31.79	-14.21	46	30.22	29.09	4.56	32.08	-	-	P	H
													H
													H
													H
													H
													H
													H
		63.95	23.9	-16.1	40	43.05	12.01	1.14	32.3	-	-	P	V
		94.99	28.86	-14.64	43.5	44.42	15.2	1.5	32.26	-	-	P	V
		178.41	28.1	-15.4	43.5	43.17	15.15	2.1	32.32	-	-	P	V
		419.94	23.29	-22.71	46	29.68	22.88	3.16	32.43	-	-	P	V
		617.82	27.8	-18.2	46	30.69	25.88	3.85	32.62	-	-	P	V
		921.43	32.94	-13.06	46	30.26	29.51	4.73	31.56	-	-	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)
		5601.6	53.8	-14.4	68.2	38.74	33.1	11.55	29.59	100	64	P	H
		5697.2	55.71	-47.43	103.14	40.27	33.38	11.67	29.61	100	64	P	H
		5717.2	68.05	-41.97	110.02	52.49	33.47	11.7	29.61	100	64	P	H
		5722.4	73.66	-42.61	116.27	58.08	33.49	11.7	29.61	100	64	P	H
	*	5745	111.98	-	-	96.28	33.58	11.73	29.61	100	64	P	H
	*	5745	104.48	-	-	88.78	33.58	11.73	29.61	100	64	A	H
													H
802.11a													H
CH 149		5627.6	54.51	-13.69	68.2	39.48	33.04	11.58	29.59	114	86	P	V
5745MHz		5700	55.71	-49.49	105.2	40.24	33.4	11.68	29.61	114	86	P	V
		5716	64.79	-44.89	109.68	49.24	33.46	11.7	29.61	114	86	P	V
		5725	72.02	-50.18	122.2	56.42	33.5	11.71	29.61	114	86	P	V
	*	5745	110.95	-	-	95.25	33.58	11.73	29.61	114	86	P	V
	*	5745	103.61	-	-	87.91	33.58	11.73	29.61	114	86	A	V
													V
													V

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)
		5642.2	53.95	-14.25	68.2	38.93	33.02	11.6	29.6	100	63	P	H
		5688	53.9	-42.45	96.35	38.54	33.3	11.66	29.6	100	63	P	H
		5706.4	54.01	-52.98	106.99	38.51	33.43	11.68	29.61	100	63	P	H
		5723	54.75	-62.89	117.64	39.17	33.49	11.7	29.61	100	63	P	H
	*	5785	113.63	-	-	97.66	33.81	11.78	29.62	100	63	P	H
	*	5785	105.92	-	-	89.95	33.81	11.78	29.62	100	63	A	H
		5852	55.78	-61.86	117.64	39.46	34.11	11.84	29.63	100	63	P	H
		5862.2	55.48	-53.3	108.78	39.12	34.15	11.85	29.64	100	63	P	H
		5876.2	56.07	-48.24	104.31	39.65	34.2	11.86	29.64	100	63	P	H
		5947.6	54.54	-13.66	68.2	37.98	34.3	11.91	29.65	100	63	P	H
													H
802.11a													H
CH 157		5644.2	52.96	-15.24	68.2	37.94	33.01	11.61	29.6	102	89	P	V
5785MHz		5696	54.16	-48.09	102.25	38.73	33.37	11.67	29.61	102	89	P	V
		5707.6	54.26	-53.07	107.33	38.76	33.43	11.68	29.61	102	89	P	V
		5724.2	54.41	-65.97	120.38	38.81	33.5	11.71	29.61	102	89	P	V
	*	5785	110.55	-	-	94.58	33.81	11.78	29.62	102	89	P	V
	*	5785	103.67	-	-	87.7	33.81	11.78	29.62	102	89	A	V
		5852.4	54.62	-62.11	116.73	38.3	34.11	11.84	29.63	102	89	P	V
		5865.6	55.92	-51.91	107.83	39.55	34.16	11.85	29.64	102	89	P	V
		5890.6	55.31	-38.31	93.62	38.82	34.26	11.87	29.64	102	89	P	V
		5945.6	55.2	-13	68.2	38.64	34.3	11.91	29.65	102	89	P	V
													V
													V

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)
	*	5825	113.71	-	-	97.52	34	11.82	29.63	100	63	P	H
	*	5825	105.81	-	-	89.62	34	11.82	29.63	100	63	A	H
		5850	76.79	-45.41	122.2	60.48	34.1	11.84	29.63	100	63	P	H
		5856	76.15	-34.37	110.52	59.82	34.12	11.84	29.63	100	63	P	H
		5875	66.77	-38.43	105.2	50.35	34.2	11.86	29.64	100	63	P	H
		5925.6	61.55	-6.65	68.2	45.01	34.3	11.89	29.65	100	63	P	H
													H
802.11a													H
CH 165	*	5825	111.06	-	-	94.87	34	11.82	29.63	105	86	P	V
5825MHz	*	5825	103.98	-	-	87.79	34	11.82	29.63	105	86	A	V
		5850.6	72.08	-48.75	120.83	55.77	34.1	11.84	29.63	105	86	P	V
		5855.4	73.18	-37.51	110.69	56.85	34.12	11.84	29.63	105	86	P	V
		5875.8	68.44	-36.17	104.61	52.02	34.2	11.86	29.64	105	86	P	V
		5939	56.7	-11.5	68.2	40.15	34.3	11.9	29.65	105	86	P	V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	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)
		11490	47.74	-26.26	74	57.3	39.2	17.46	66.22	-	-	P	H
		17235	48.99	-19.21	68.2	55.03	38.47	21.65	66.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a													H
CH 149		11490	47.99	-26.01	74	57.55	39.2	17.46	66.22	-	-	P	V
5745MHz		17235	48.45	-19.75	68.2	54.49	38.47	21.65	66.16	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

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)
		11570	47.81	-26.19	74	57.52	38.99	17.52	66.22	-	-	P	H
		17355	47.56	-20.64	68.2	53.13	38.76	21.7	66.03	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a													H
CH 157		11570	47.41	-26.59	74	57.12	38.99	17.52	66.22	-	-	P	V
5785MHz		17355	48.55	-19.65	68.2	54.12	38.76	21.7	66.03	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

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)
		11650	47.44	-26.56	74	57.27	38.8	17.59	66.22	-	-	P	H
		17475	48.6	-19.6	68.2	53.77	38.97	21.76	65.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a													H
CH 165		11650	47.49	-26.51	74	57.32	38.8	17.59	66.22	-	-	P	V
5825MHz		17475	49.38	-18.82	68.2	54.55	38.97	21.76	65.9	-	-	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	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)
		5627.4	53.2	-15	68.2	38.16	33.05	11.58	29.59	100	13	P	H
		5698.6	60.47	-43.7	104.17	45.02	33.39	11.67	29.61	100	13	P	H
		5716.4	67.78	-42.01	109.79	52.22	33.47	11.7	29.61	100	13	P	H
		5722.6	74.43	-42.3	116.73	58.85	33.49	11.7	29.61	100	13	P	H
	*	5745	112.38	-	-	96.68	33.58	11.73	29.61	100	13	P	H
	*	5745	103.3	-	-	87.6	33.58	11.73	29.61	100	13	A	H
802.11ax													H
HE20 Full													H
CH 149		5622.2	54.02	-14.18	68.2	38.97	33.06	11.58	29.59	113	89	P	V
5745MHz		5694	55.87	-44.91	100.78	40.45	33.35	11.67	29.6	113	89	P	V
		5716.6	67.55	-42.3	109.85	51.99	33.47	11.7	29.61	113	89	P	V
		5724.8	72.26	-49.48	121.74	56.66	33.5	11.71	29.61	113	89	P	V
	*	5745	112.43	-	-	96.73	33.58	11.73	29.61	113	89	P	V
	*	5745	103.22	-	-	87.52	33.58	11.73	29.61	113	89	A	V
													V
													V

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)
		5624.8	53.21	-14.99	68.2	38.17	33.05	11.58	29.59	100	5	P	H
		5692.4	54.62	-44.98	99.6	39.21	33.34	11.67	29.6	100	5	P	H
		5701	57.9	-47.58	105.48	42.43	33.4	11.68	29.61	100	5	P	H
		5722.4	55.67	-60.6	116.27	40.09	33.49	11.7	29.61	100	5	P	H
	*	5785	114.95	-	-	98.98	33.81	11.78	29.62	100	5	P	H
	*	5785	104.67	-	-	88.7	33.81	11.78	29.62	100	5	A	H
		5852.4	57.51	-59.22	116.73	41.19	34.11	11.84	29.63	100	5	P	H
		5867.6	57.61	-49.66	107.27	41.23	34.17	11.85	29.64	100	5	P	H
		5887.6	56.11	-39.74	95.85	39.63	34.25	11.87	29.64	100	5	P	H
		5939	55.1	-13.1	68.2	38.55	34.3	11.9	29.65	100	5	P	H
802.11ax													H
HE20 Full													H
CH 157		5633	52.64	-15.56	68.2	37.61	33.03	11.59	29.59	100	90	P	V
5785MHz		5697.6	56.42	-47.01	103.43	40.98	33.38	11.67	29.61	100	90	P	V
		5711	59.27	-49.01	108.28	43.75	33.44	11.69	29.61	100	90	P	V
		5724.8	59.62	-62.12	121.74	44.02	33.5	11.71	29.61	100	90	P	V
	*	5785	112.62	-	-	96.65	33.81	11.78	29.62	100	90	P	V
	*	5785	103.42	-	-	87.45	33.81	11.78	29.62	100	90	A	V
		5854.4	56.32	-55.85	112.17	39.99	34.12	11.84	29.63	100	90	P	V
		5855.6	56.61	-54.02	110.63	40.28	34.12	11.84	29.63	100	90	P	V
		5915.8	55.51	-19.47	74.98	38.96	34.3	11.89	29.64	100	90	P	V
		5949.6	55.32	-12.88	68.2	38.76	34.3	11.91	29.65	100	90	P	V
													V
													V

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)
	*	5825	113.58	-	-	97.39	34	11.82	29.63	100	5	P	H
	*	5825	104.89	-	-	88.7	34	11.82	29.63	100	5	A	H
		5854	72.62	-40.46	113.08	56.29	34.12	11.84	29.63	100	5	P	H
		5855	70.43	-40.37	110.8	54.1	34.12	11.84	29.63	100	5	P	H
		5875.4	63.8	-41.1	104.9	47.38	34.2	11.86	29.64	100	5	P	H
		5926	55.68	-12.52	68.2	39.14	34.3	11.89	29.65	100	5	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	113.63	-	-	97.44	34	11.82	29.63	107	88	P	V
5825MHz	*	5825	103.59	-	-	87.4	34	11.82	29.63	107	88	A	V
		5852.2	71.59	-45.59	117.18	55.27	34.11	11.84	29.63	107	88	P	V
		5856.8	72.07	-38.23	110.3	55.73	34.13	11.84	29.63	107	88	P	V
		5875.4	64.04	-40.86	104.9	47.62	34.2	11.86	29.64	107	88	P	V
		5925	56.74	-11.46	68.2	40.2	34.3	11.89	29.65	107	88	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Note	Frequency	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)
		11490	47.84	-26.16	74	57.4	39.2	17.46	66.22	-	-	P	H
		17235	47.94	-20.26	68.2	53.98	38.47	21.65	66.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		11490	47.76	-26.24	74	57.32	39.2	17.46	66.22	-	-	P	V
5745MHz		17235	48.23	-19.97	68.2	54.27	38.47	21.65	66.16	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

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)
		11570	47.88	-26.12	74	57.59	38.99	17.52	66.22	-	-	P	H
		17355	47.86	-20.34	68.2	53.43	38.76	21.7	66.03	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	47.75	-26.25	74	57.46	38.99	17.52	66.22	-	-	P	V
5785MHz		17355	47.64	-20.56	68.2	53.21	38.76	21.7	66.03	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

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)
		11650	46.87	-27.13	74	56.7	38.8	17.59	66.22	-	-	P	H
		17475	48.63	-19.57	68.2	53.8	38.97	21.76	65.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 165		11650	47.19	-26.81	74	57.02	38.8	17.59	66.22	-	-	P	V
5825MHz		17475	49.18	-19.02	68.2	54.35	38.97	21.76	65.9	-	-	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	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)
		5642.8	54.62	-13.58	68.2	39.61	33.01	11.6	29.6	100	63	P	H
		5690.4	60.46	-37.66	98.12	45.08	33.32	11.66	29.6	100	63	P	H
		5719.4	69.25	-41.38	110.63	53.68	33.48	11.7	29.61	100	63	P	H
		5721.2	70.56	-42.98	113.54	54.99	33.48	11.7	29.61	100	63	P	H
	*	5755	111.26	-	-	95.51	33.63	11.74	29.62	100	63	P	H
	*	5752	100.67	-	-	84.94	33.61	11.74	29.62	100	63	A	H
		5852.2	56.12	-61.06	117.18	39.8	34.11	11.84	29.63	100	63	P	H
		5874.2	56.23	-49.19	105.42	39.81	34.2	11.86	29.64	100	63	P	H
		5915.4	55.78	-19.5	75.28	39.23	34.3	11.89	29.64	100	63	P	H
		5932	55.48	-12.72	68.2	38.93	34.3	11.9	29.65	100	63	P	H
802.11ax													H
HE40 Full													H
CH 151		5625	55.55	-12.65	68.2	40.51	33.05	11.58	29.59	107	85	P	V
5755MHz		5694	60.77	-40.01	100.78	45.35	33.35	11.67	29.6	107	85	P	V
		5714.4	68.44	-40.79	109.23	52.9	33.46	11.69	29.61	107	85	P	V
		5723.8	69.36	-50.1	119.46	53.77	33.5	11.7	29.61	107	85	P	V
	*	5755	109.76	-	-	94.01	33.63	11.74	29.62	107	85	P	V
	*	5755	99.65	-	-	83.9	33.63	11.74	29.62	107	85	A	V
		5854.6	54.91	-56.8	111.71	38.58	34.12	11.84	29.63	107	85	P	V
		5858.2	56.14	-53.76	109.9	39.8	34.13	11.84	29.63	107	85	P	V
		5896.8	55.08	-33.95	89.03	38.56	34.29	11.87	29.64	107	85	P	V
		5939	54.82	-13.38	68.2	38.27	34.3	11.9	29.65	107	85	P	V
													V
													V

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)
		5623	53.19	-15.01	68.2	38.15	33.05	11.58	29.59	100	62	P	H
		5698.8	56.3	-48.02	104.32	40.85	33.39	11.67	29.61	100	62	P	H
		5719	60.75	-49.77	110.52	45.18	33.48	11.7	29.61	100	62	P	H
		5720.6	61.47	-50.7	112.17	45.9	33.48	11.7	29.61	100	62	P	H
	*	5795	112.23	-	-	96.19	33.87	11.79	29.62	100	62	P	H
	*	5795	101.64	-	-	85.6	33.87	11.79	29.62	100	62	A	H
		5850.6	63.49	-57.34	120.83	47.18	34.1	11.84	29.63	100	62	P	H
		5859.8	63.62	-45.83	109.45	47.27	34.14	11.84	29.63	100	62	P	H
		5881.6	57.86	-42.44	100.3	41.41	34.23	11.86	29.64	100	62	P	H
		5929	55.93	-12.27	68.2	39.38	34.3	11.9	29.65	100	62	P	H
802.11ax													H
HE40 Full													H
CH 159		5631.2	53.54	-14.66	68.2	38.5	33.04	11.59	29.59	115	88	P	V
5795MHz		5674.6	56.37	-30.07	86.44	41.13	33.2	11.64	29.6	115	88	P	V
		5719.2	58.01	-52.57	110.58	42.44	33.48	11.7	29.61	115	88	P	V
		5723.6	60.99	-58.02	119.01	45.41	33.49	11.7	29.61	115	88	P	V
	*	5795	109.7	-	-	93.66	33.87	11.79	29.62	115	88	P	V
	*	5795	100.55	-	-	84.51	33.87	11.79	29.62	115	88	A	V
		5853.4	59.4	-55.05	114.45	43.08	34.11	11.84	29.63	115	88	P	V
		5874.8	58.06	-47.2	105.26	41.64	34.2	11.86	29.64	115	88	P	V
		5875	56.3	-48.9	105.2	39.88	34.2	11.86	29.64	115	88	P	V
		5931.6	55.15	-13.05	68.2	38.6	34.3	11.9	29.65	115	88	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI	Note	Frequency	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)
		11510	47.93	-26.07	74	57.51	39.17	17.47	66.22	-	-	P	H
		17265	47.57	-20.63	68.2	53.51	38.53	21.66	66.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	47.95	-26.05	74	57.53	39.17	17.47	66.22	-	-	P	V
5755MHz		17265	47.72	-20.48	68.2	53.66	38.53	21.66	66.13	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

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)
		11590	47.6	-26.4	74	57.35	38.93	17.54	66.22	-	-	P	H
		17385	47.66	-20.54	68.2	53.08	38.85	21.73	66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	47.82	-26.18	74	57.57	38.93	17.54	66.22	-	-	P	V
5795MHz		17385	49.59	-18.61	68.2	55.01	38.85	21.73	66	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI	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)
		5636.4	56.78	-11.42	68.2	41.74	33.03	11.6	29.59	100	63	P	H
		5699.2	69.63	-34.98	104.61	54.18	33.39	11.67	29.61	100	63	P	H
		5718.6	72.77	-37.64	110.41	57.21	33.47	11.7	29.61	100	63	P	H
		5720.6	71.77	-40.4	112.17	56.2	33.48	11.7	29.61	100	63	P	H
	*	5775	108.21	-	-	92.31	33.75	11.77	29.62	100	63	P	H
	*	5775	97.9	-	-	82	33.75	11.77	29.62	100	63	A	H
		5851	73.12	-46.8	119.92	56.81	34.1	11.84	29.63	100	63	P	H
		5860.6	72.59	-36.64	109.23	56.23	34.14	11.85	29.63	100	63	P	H
		5880.2	64.26	-37.08	101.34	47.82	34.22	11.86	29.64	100	63	P	H
		5925.6	56.11	-12.09	68.2	39.57	34.3	11.89	29.65	100	63	P	H
802.11ax													H
HE80 Full													H
CH 155		5644.2	54.91	-13.29	68.2	39.89	33.01	11.61	29.6	111	87	P	V
5775MHz		5693.2	69.49	-30.7	100.19	54.07	33.35	11.67	29.6	111	87	P	V
		5713.8	74.42	-34.65	109.07	58.88	33.46	11.69	29.61	111	87	P	V
		5722	72.85	-42.51	115.36	57.27	33.49	11.7	29.61	111	87	P	V
	*	5775	107.94	-	-	92.04	33.75	11.77	29.62	111	87	P	V
	*	5775	97.31	-	-	81.41	33.75	11.77	29.62	111	87	A	V
		5854	72.01	-41.07	113.08	55.68	34.12	11.84	29.63	111	87	P	V
		5855	71.89	-38.91	110.8	55.56	34.12	11.84	29.63	111	87	P	V
		5875.4	62.53	-42.37	104.9	46.11	34.2	11.86	29.64	111	87	P	V
		5929.6	55.45	-12.75	68.2	38.9	34.3	11.9	29.65	111	87	P	V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI	Note	Frequency	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)
		11550	47.88	-26.12	74	57.54	39.05	17.51	66.22	-	-	P	H
		17325	47.98	-20.22	68.2	53.68	38.67	21.69	66.06	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	47.38	-26.62	74	57.04	39.05	17.51	66.22	-	-	P	V
5775MHz		17325	48.84	-19.36	68.2	54.54	38.67	21.69	66.06	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission above 18GHz

WIFI 802.11a (SHF @ 1m)

WIFI	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 SHF		20104	34.69	-39.31	74	55.49	37.62	-3.52	54.9	-	-	P	H
		30284	40.1	-48.1	88.2	57.1	40.79	-2.19	55.6	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		20448	35.72	-38.28	74	56.16	37.96	-3.5	54.9	-	-	P	V
		29612	42.73	-45.47	88.2	58.88	41.17	-2.26	55.06	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		30.97	21.38	-18.62	40	28.96	24.05	0.55	32.18	-	-	P	H
		94.99	32.09	-11.41	43.5	47.65	15.2	1.5	32.26	-	-	P	H
		178.41	33.21	-10.29	43.5	48.28	15.15	2.1	32.32	-	-	P	H
		407.33	23.06	-22.94	46	30.07	22.3	3.1	32.41	-	-	P	H
		698.33	28.54	-17.46	46	30.55	26.47	4.08	32.56	-	-	P	H
		958.29	33.81	-12.19	46	29.41	30.83	4.83	31.26	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		62.01	24.13	-15.87	40	43.36	11.96	1.12	32.31	-	-	P	V
		93.05	29.43	-14.07	43.5	45.28	14.94	1.48	32.27	-	-	P	V
		185.2	28.69	-14.81	43.5	44	14.88	2.13	32.32	-	-	P	V
		443.22	23.96	-22.04	46	30.04	23.12	3.26	32.46	-	-	P	V
		746.83	30.97	-15.03	46	31.05	28.09	4.25	32.42	-	-	P	V
		958.29	33.45	-12.55	46	29.05	30.83	4.83	31.26	-	-	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.

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

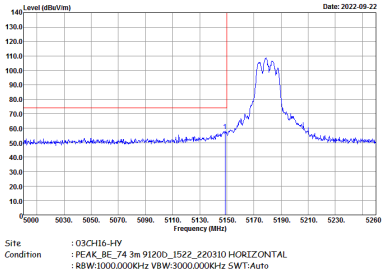
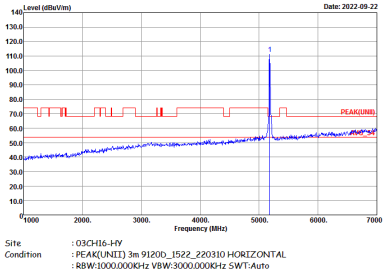
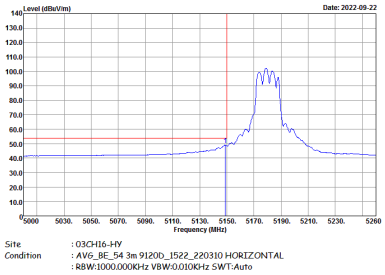
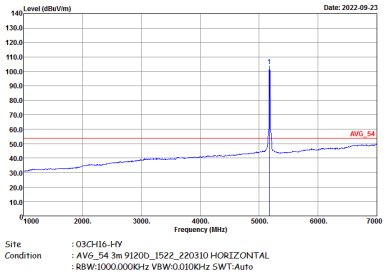
Test Engineer :	Andy Yang, Karl Hou and Steven Wu	**Temperature :**	15~25°C
		Relative Humidity :	50~65%

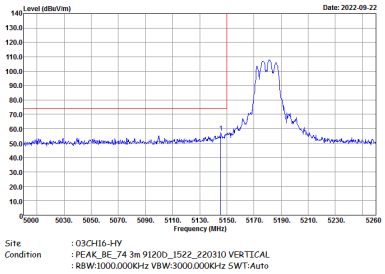
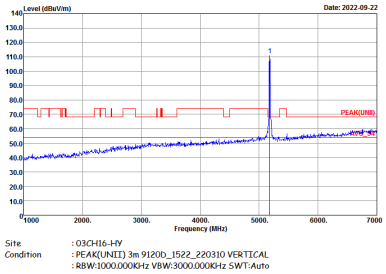
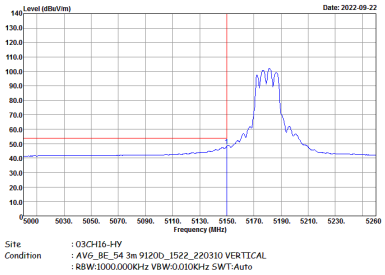
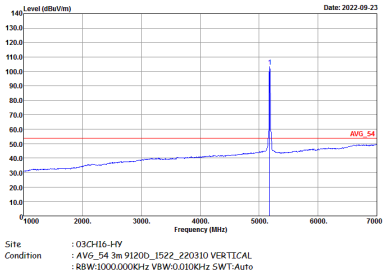
Note symbol

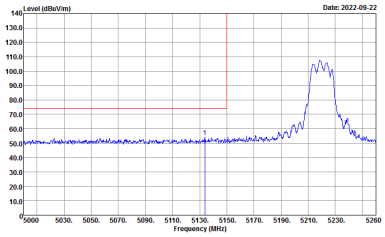
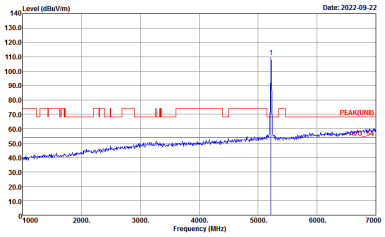
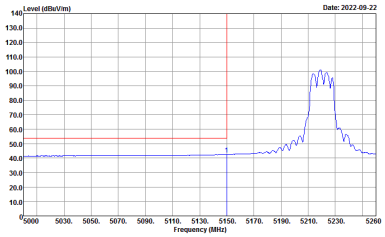
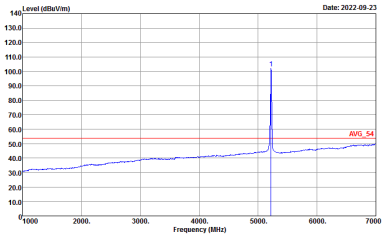
-L	**Low channel location**
-R	**High channel location**

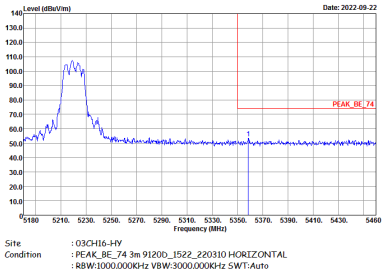
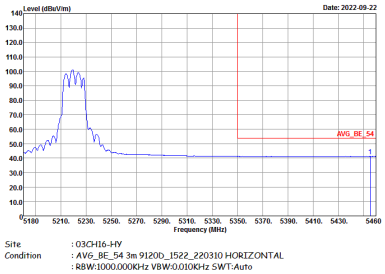
Band 1 - 5150~5250MHz

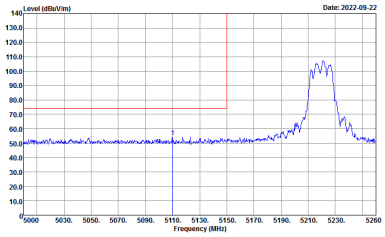
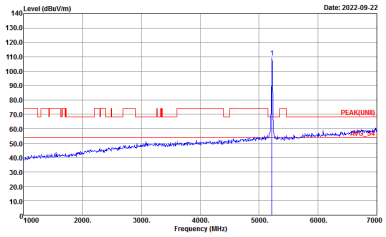
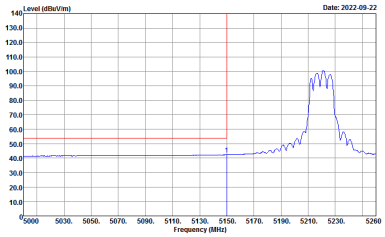
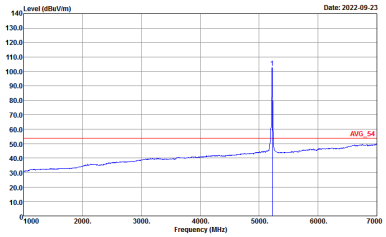
WIFI 802.11a (Band Edge @ 3m)

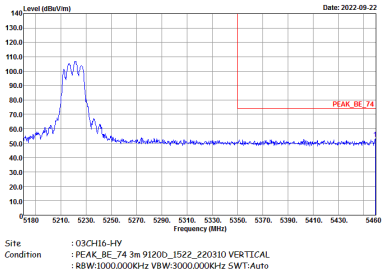
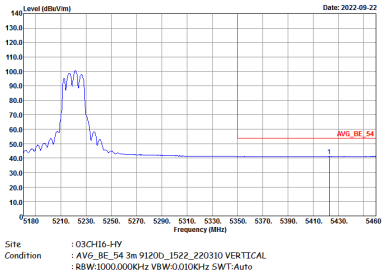
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

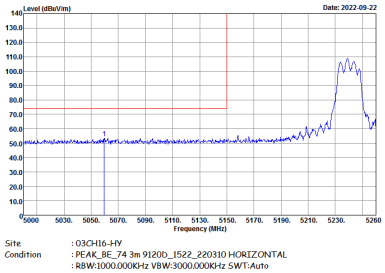
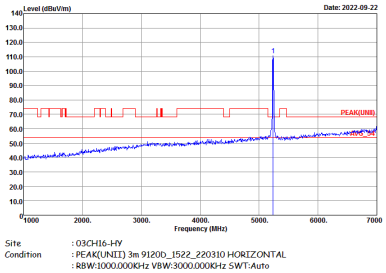
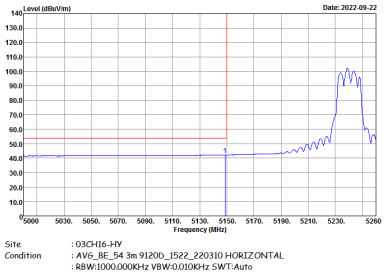
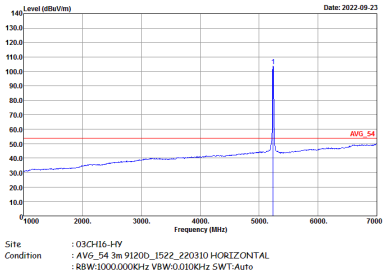
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

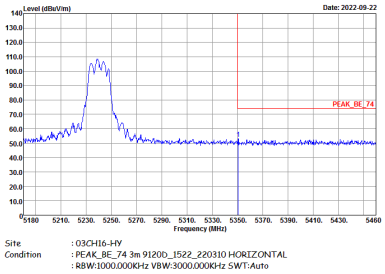
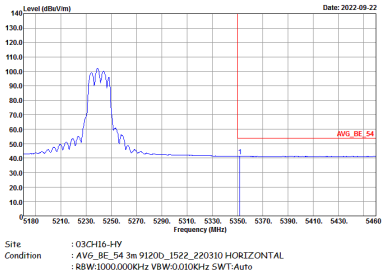
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HV Condition : AVG_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

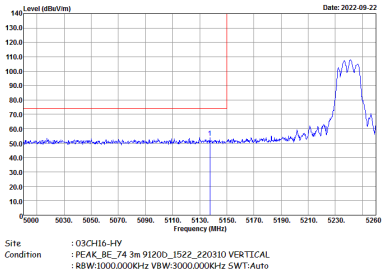
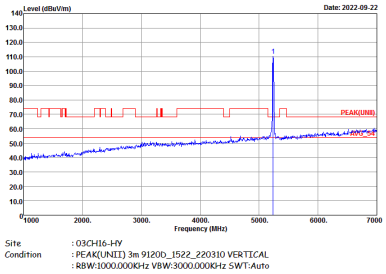
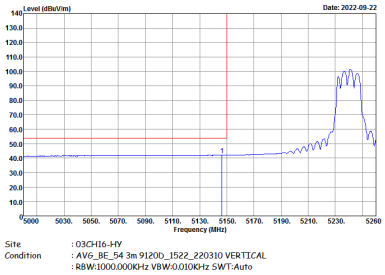
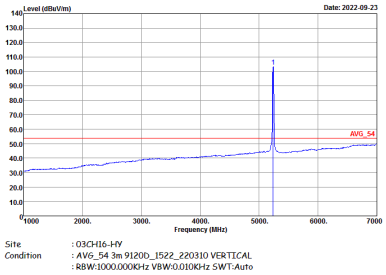
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

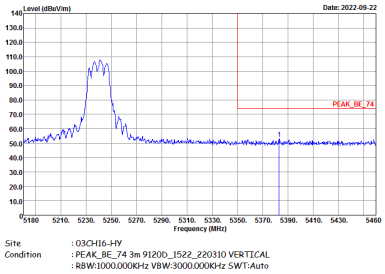
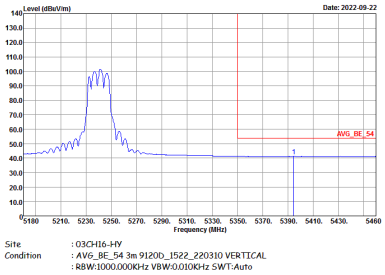
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HV Condition : AVG_54 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

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

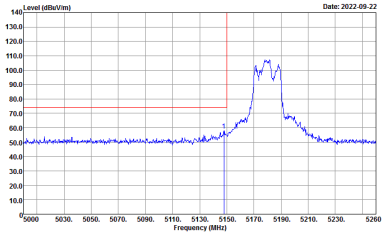
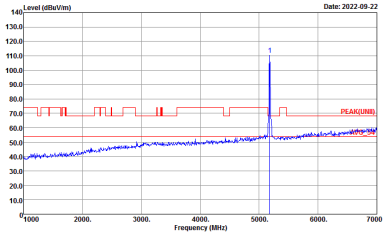
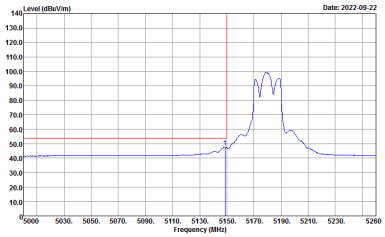
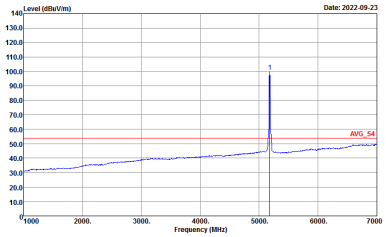
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		

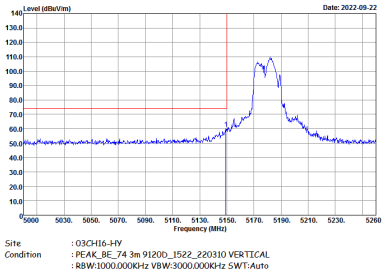
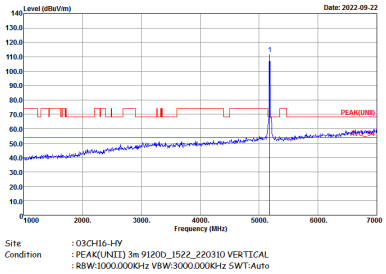
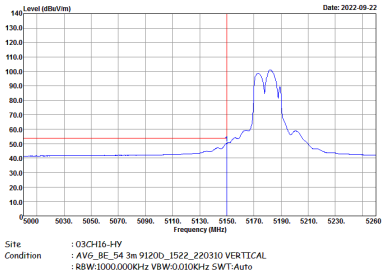
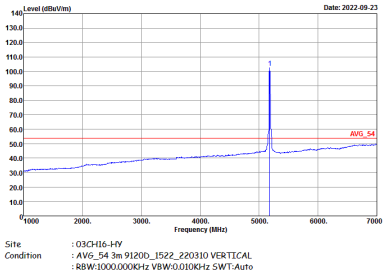
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

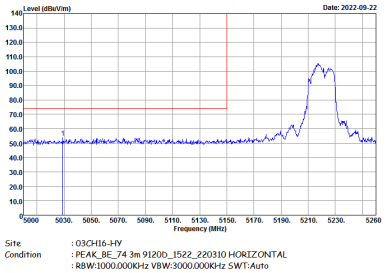
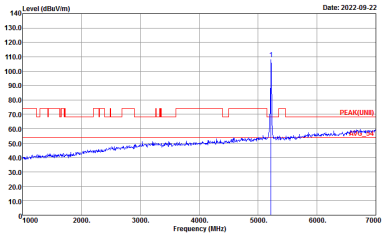
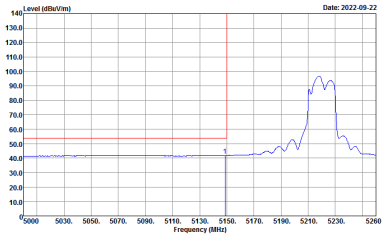
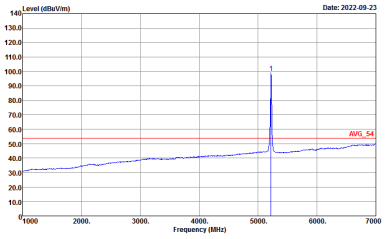
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

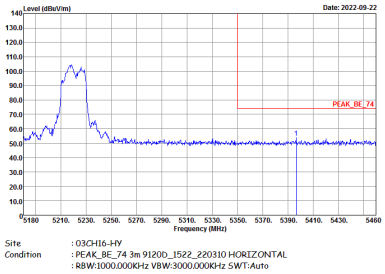
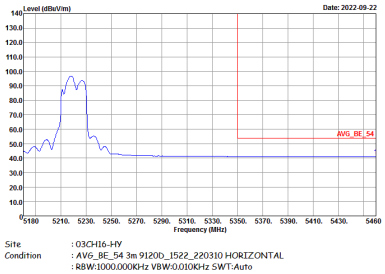
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

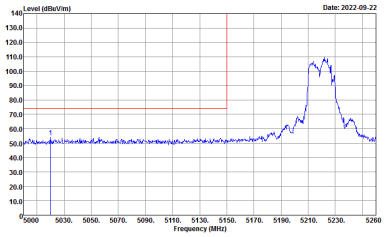
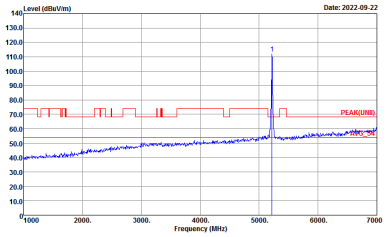
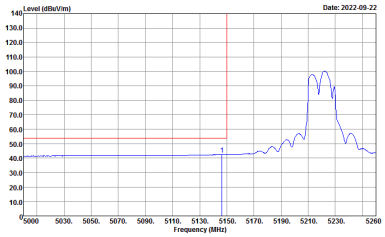
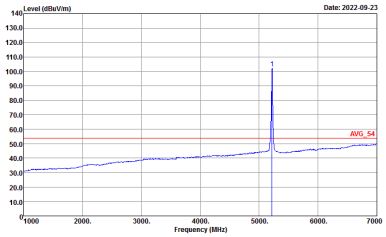
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

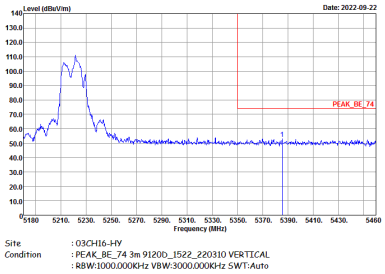
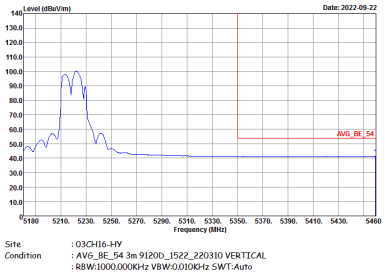
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

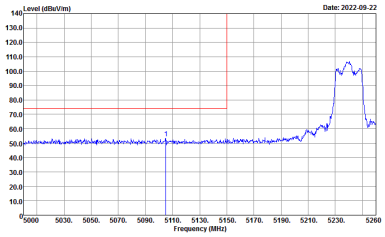
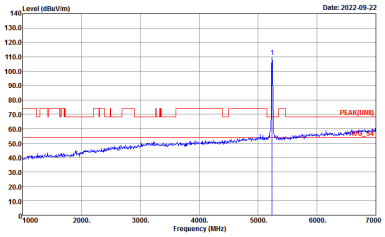
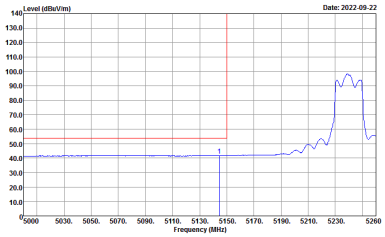
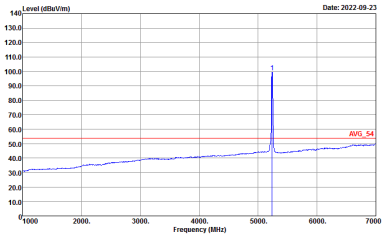
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

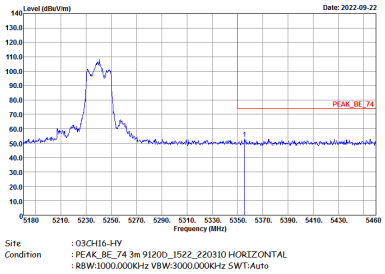
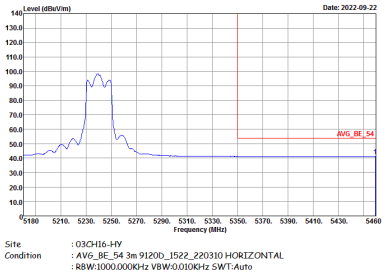
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

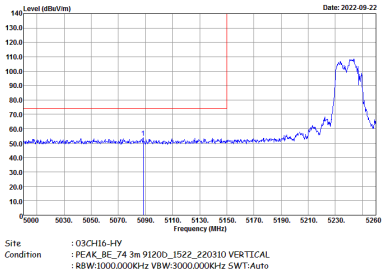
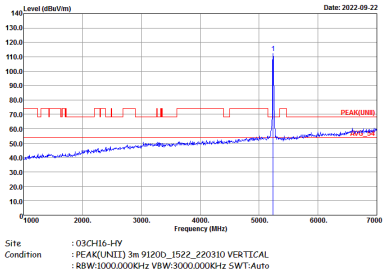
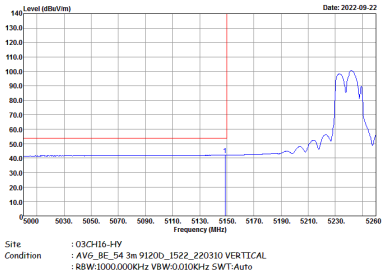
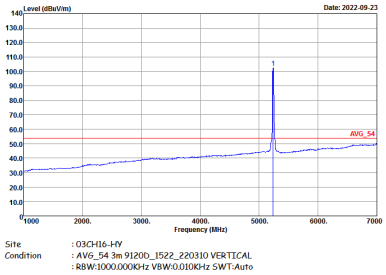
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

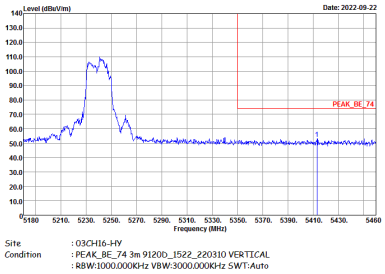
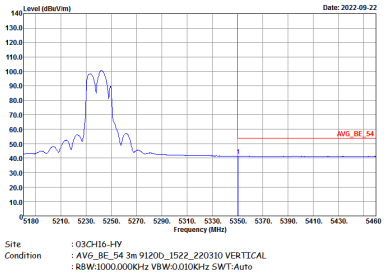
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HV Condition : AVG_54 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

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	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HV Condition : AVG_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

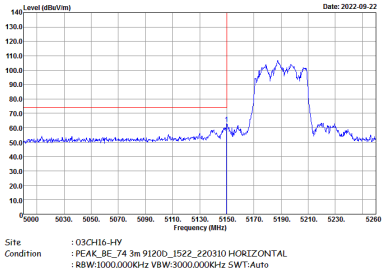
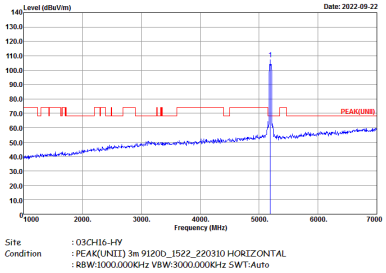
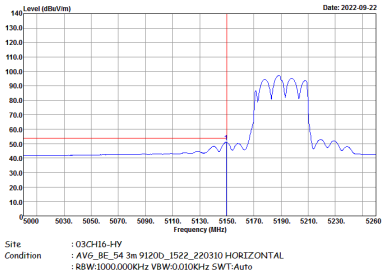
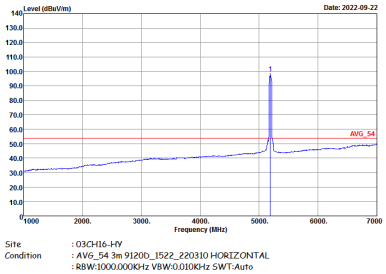
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

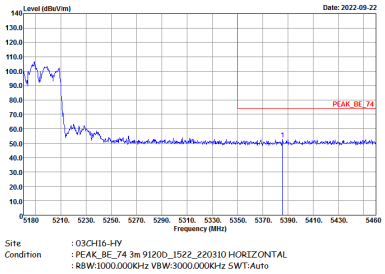
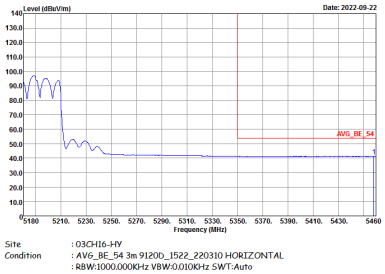
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

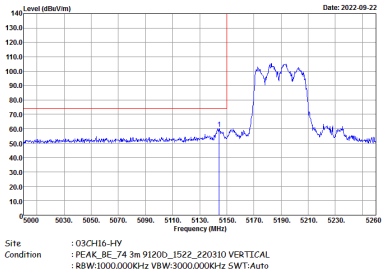
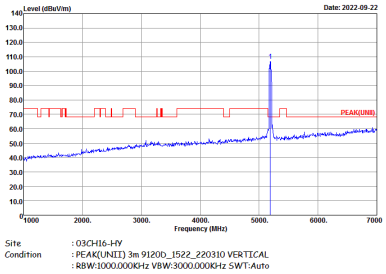
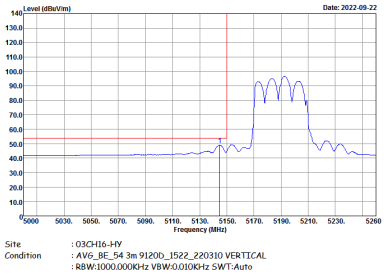
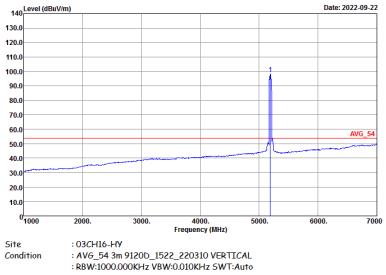
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

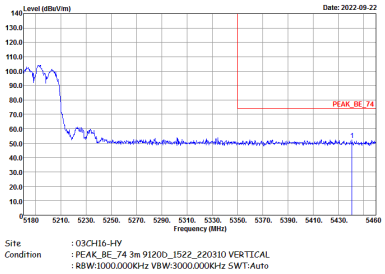
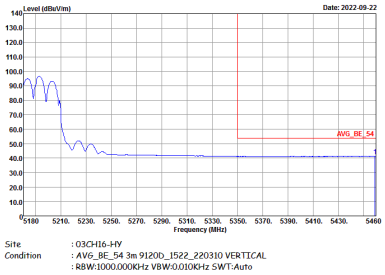
Band 1 5150~5250MHz

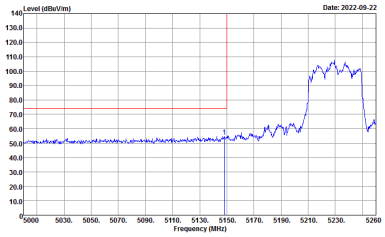
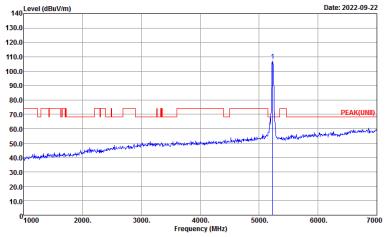
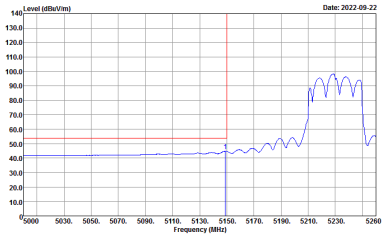
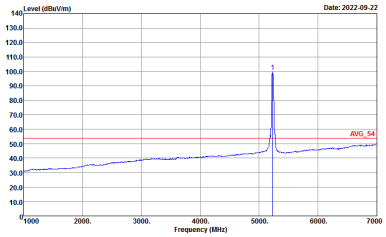
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

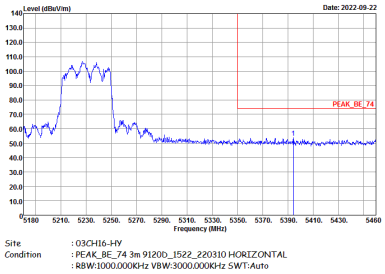
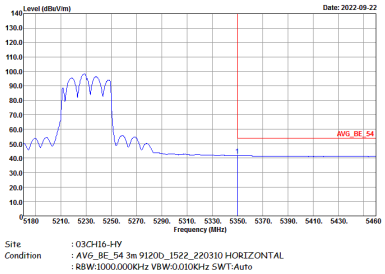
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

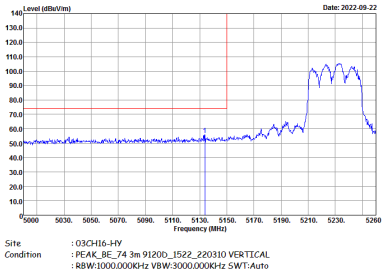
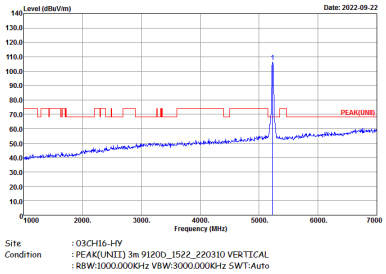
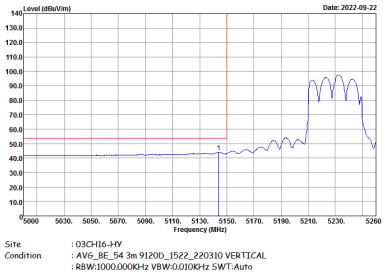
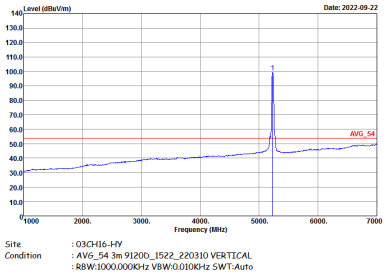
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

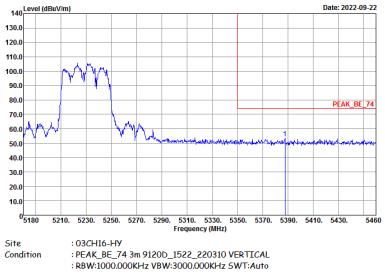
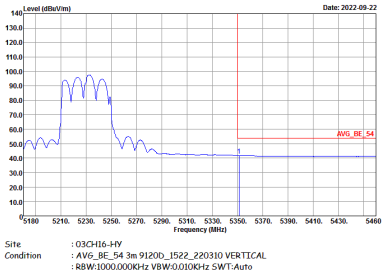
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

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

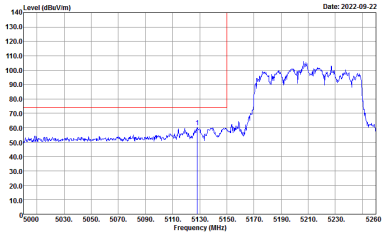
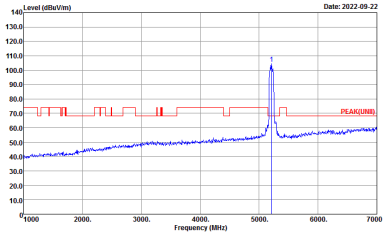
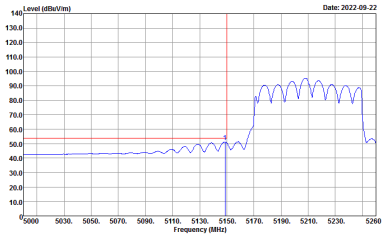
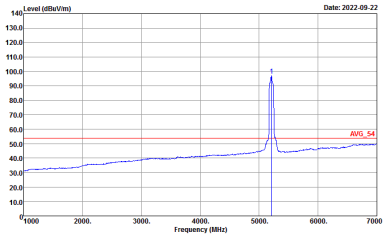
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HV Condition : AVG_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

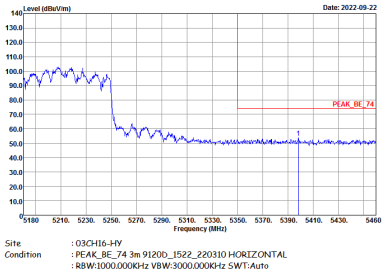
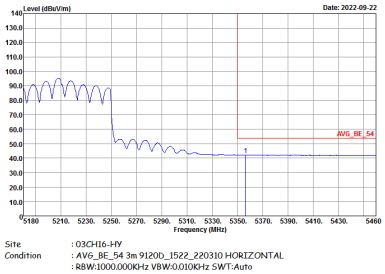
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

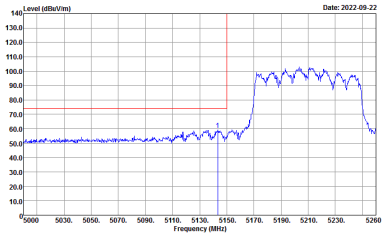
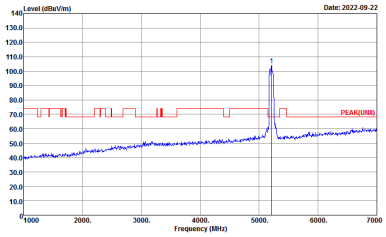
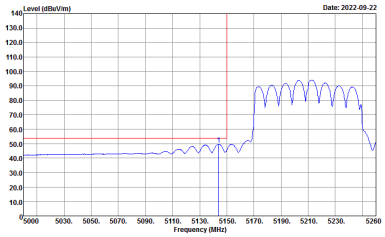
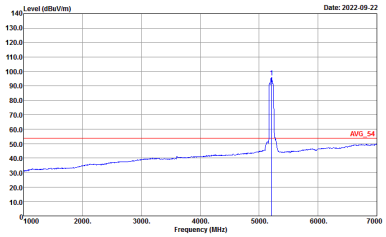
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		

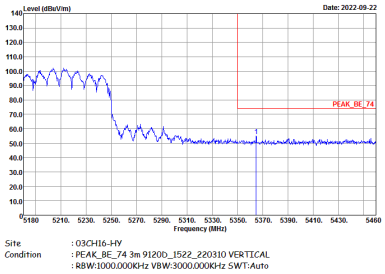
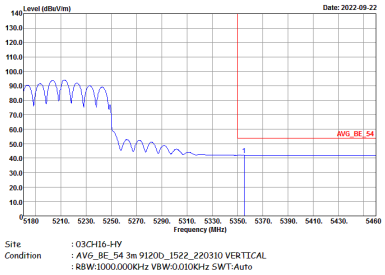
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

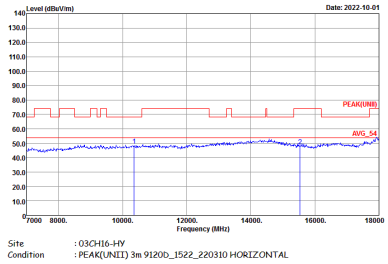
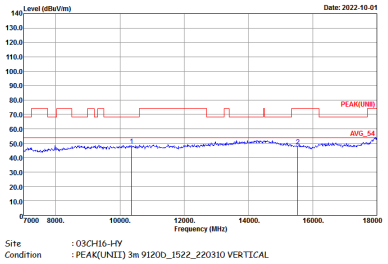
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

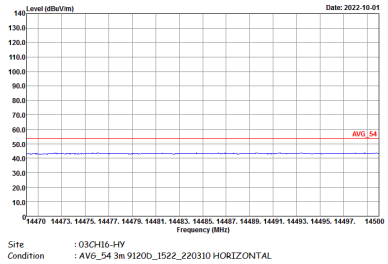
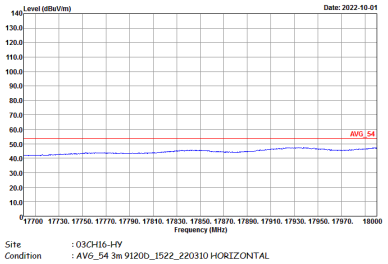
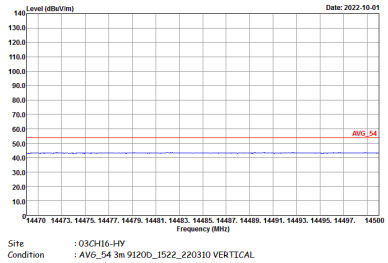
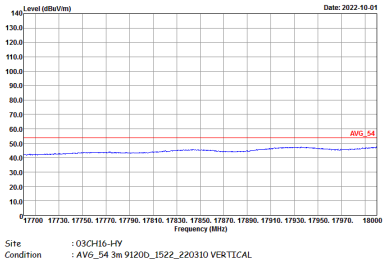
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HV Condition : AVG_54 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

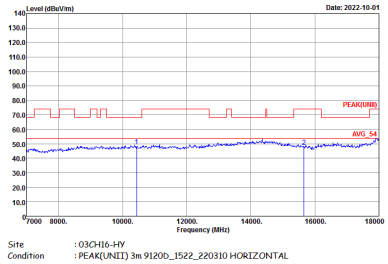
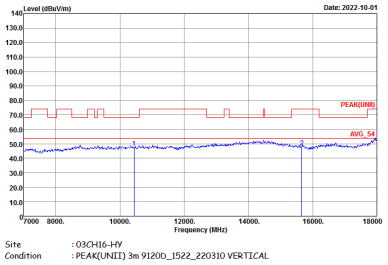
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

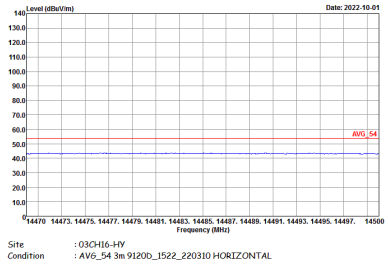
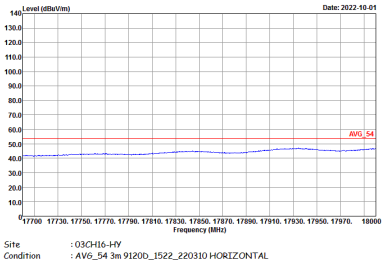
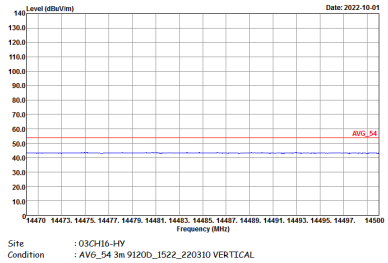
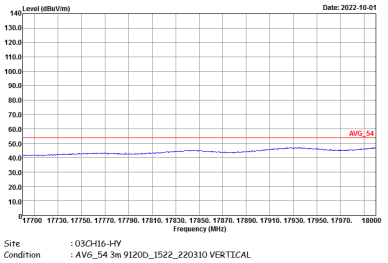
Band 1 - 5150~5250MHz

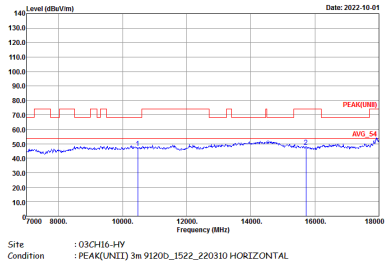
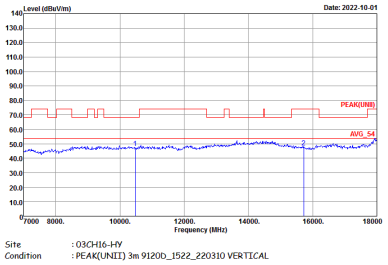
WIFI 802.11a (Harmonic @ 3m)

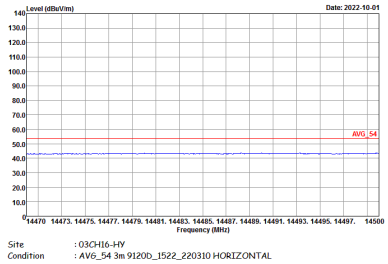
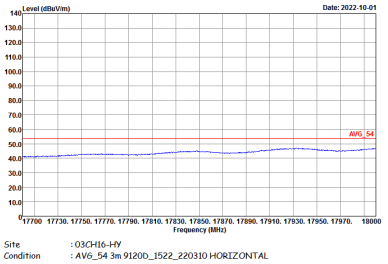
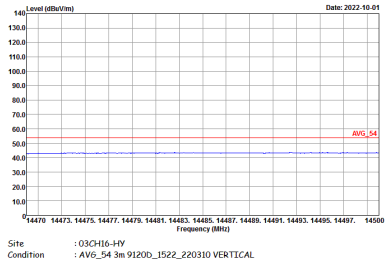
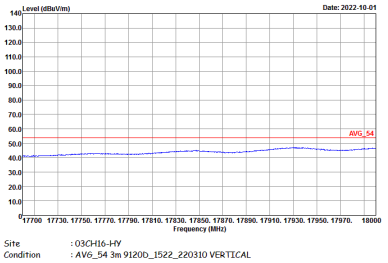
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.		

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.		

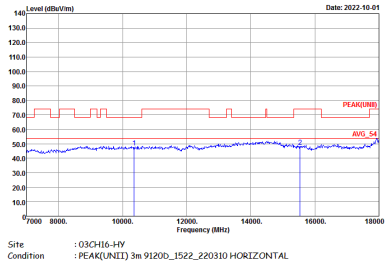
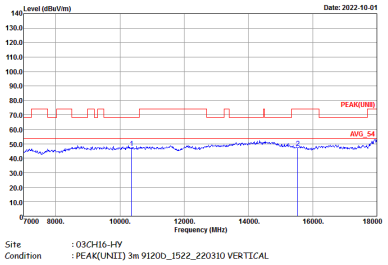
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.		

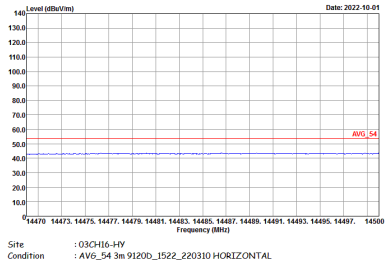
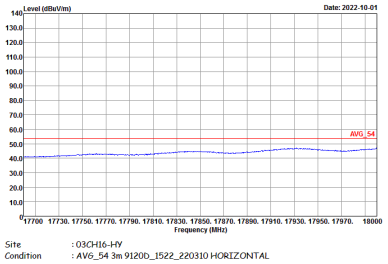
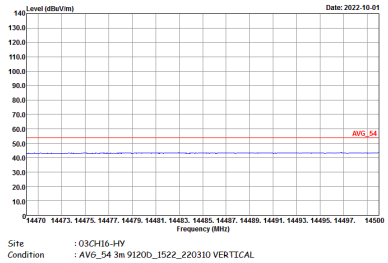
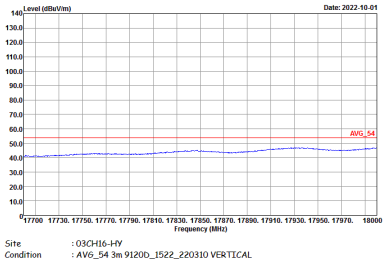
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

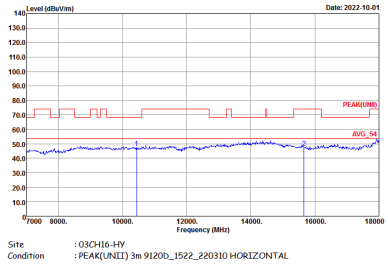
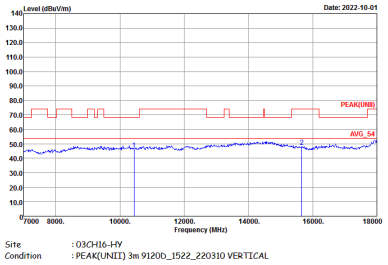
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.		

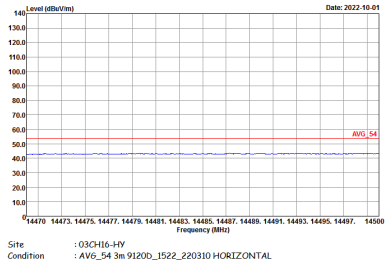
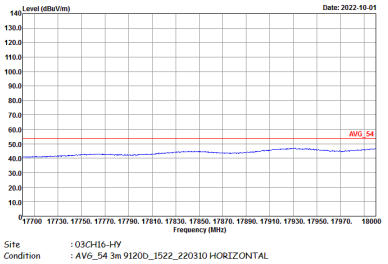
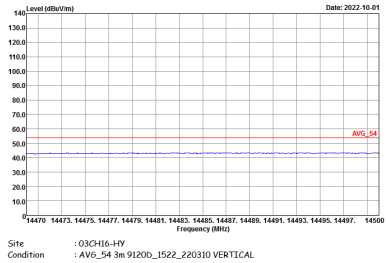
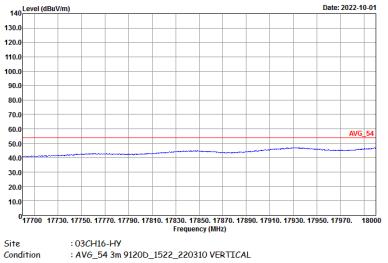
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

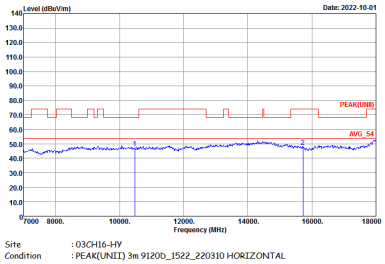
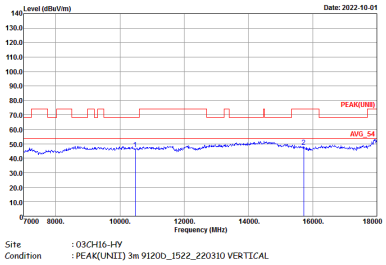
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

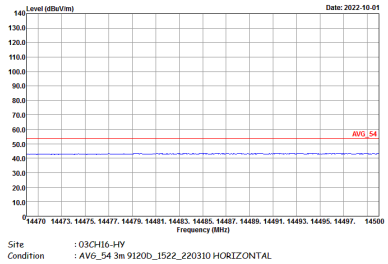
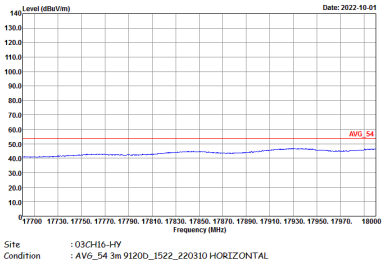
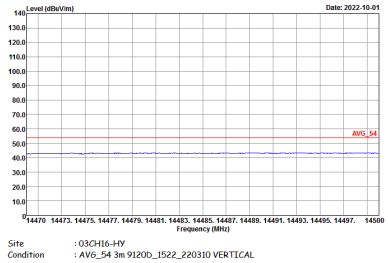
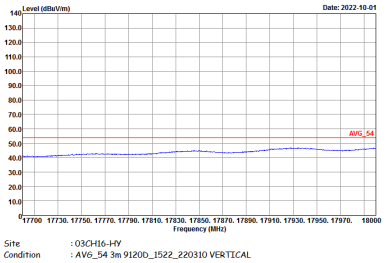
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.		

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.		

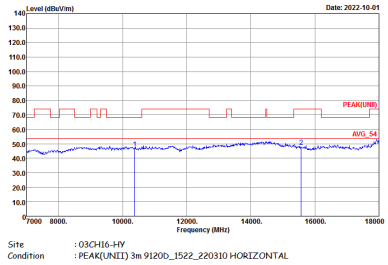
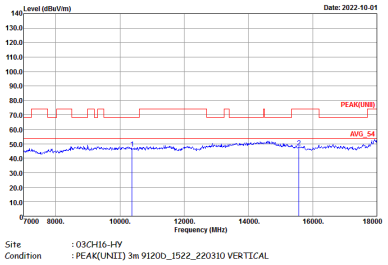
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

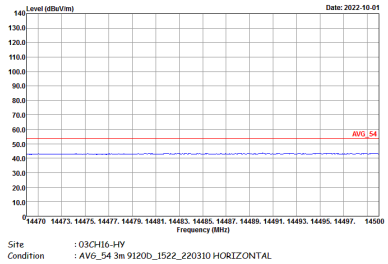
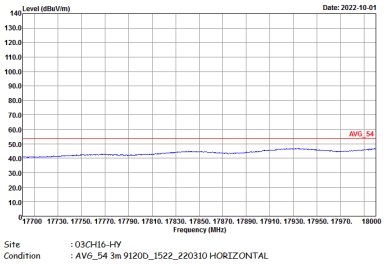
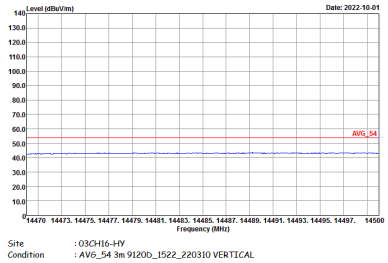
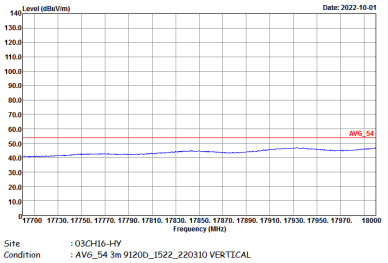
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.		

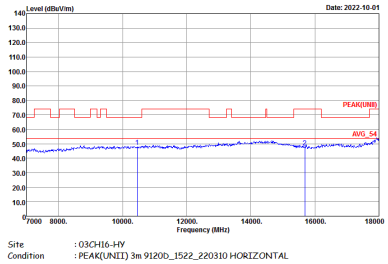
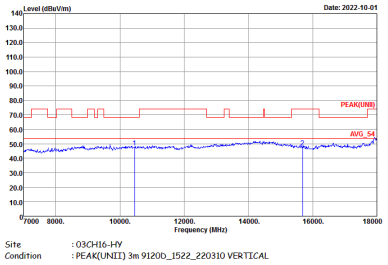
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

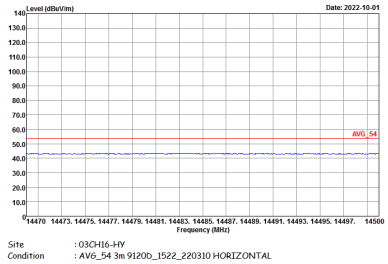
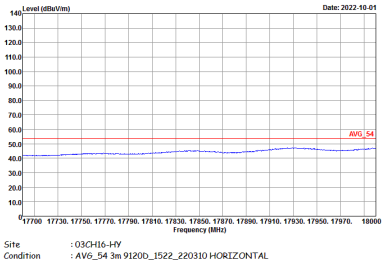
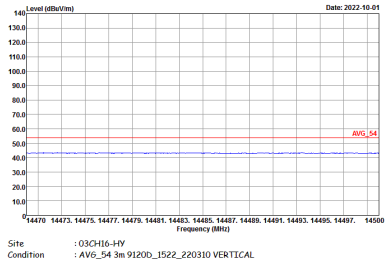
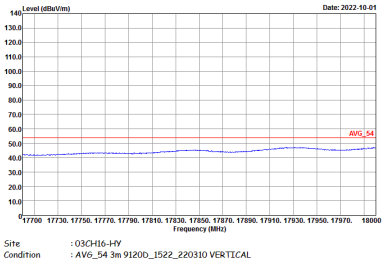
Band 1 5150~5250MHz

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.		

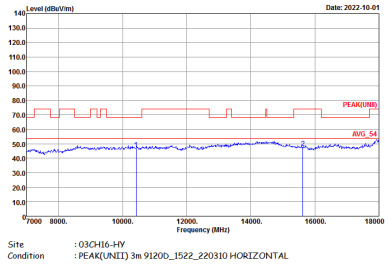
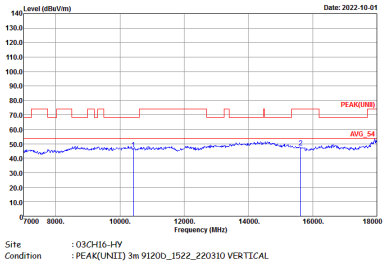
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

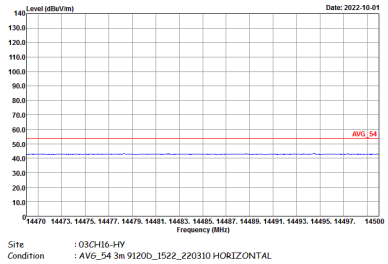
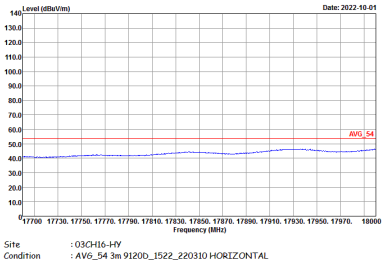
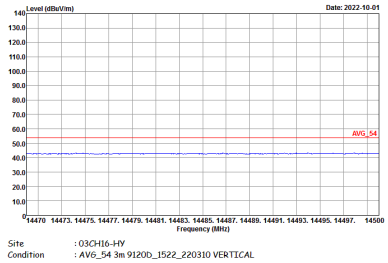
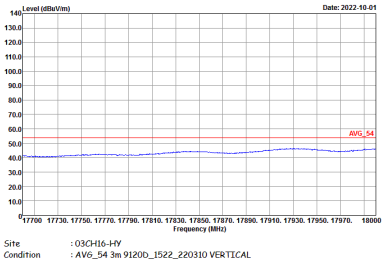
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
4+3	Horizontal	Vertical
Peak Avg.		

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

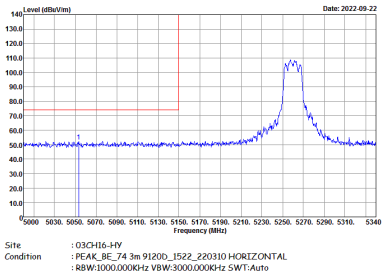
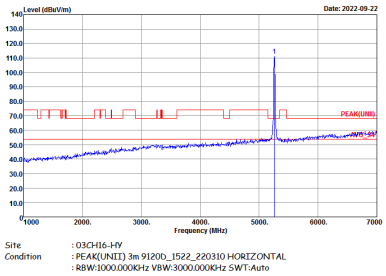
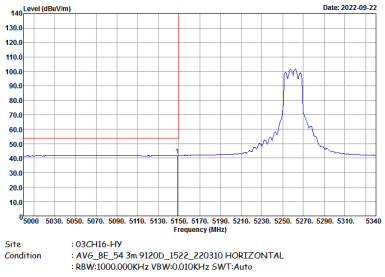
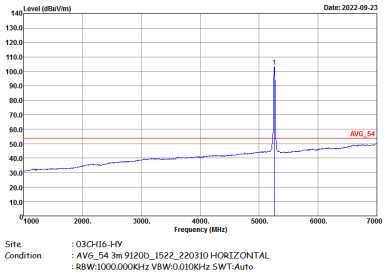
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

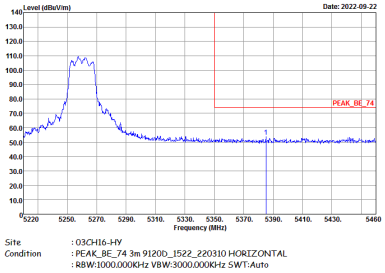
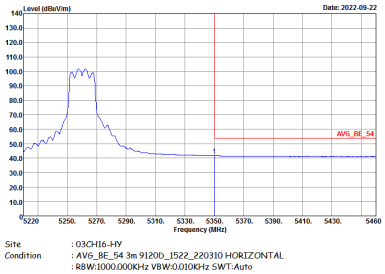
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
4+3	Horizontal	Vertical
Peak Avg.		

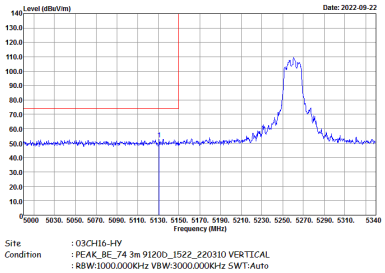
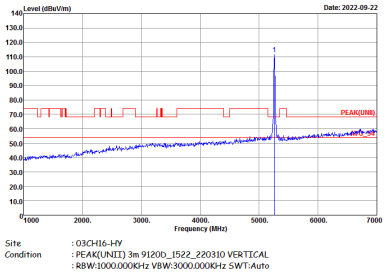
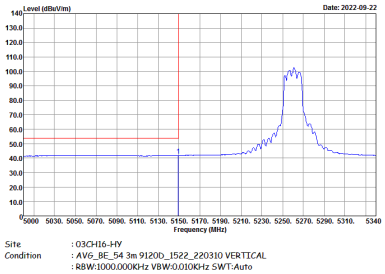
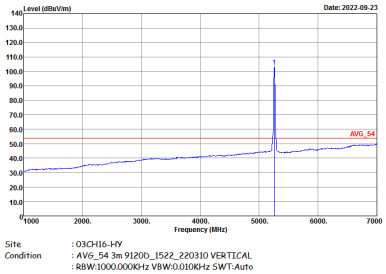
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
4+3	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

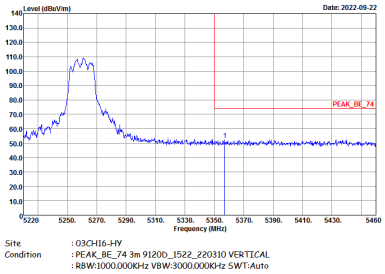
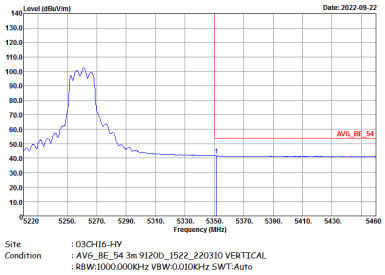
Band 2 - 5250~5350MHz

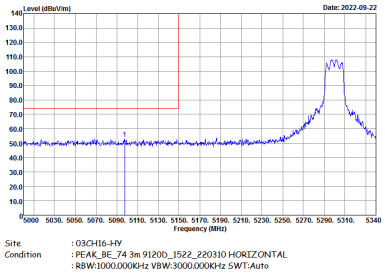
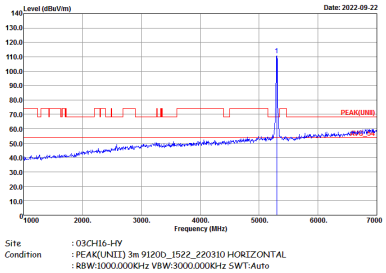
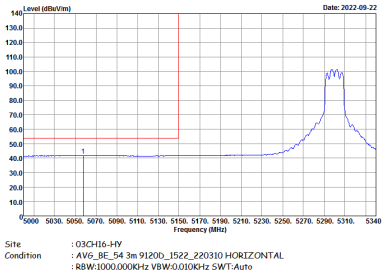
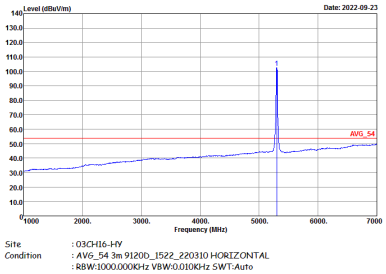
WIFI 802.11a (Band Edge @ 3m)

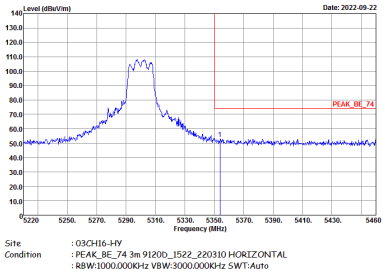
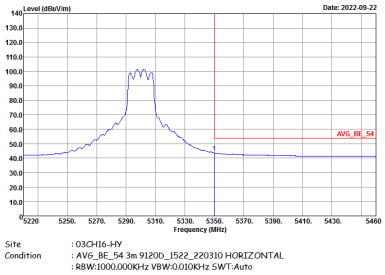
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		

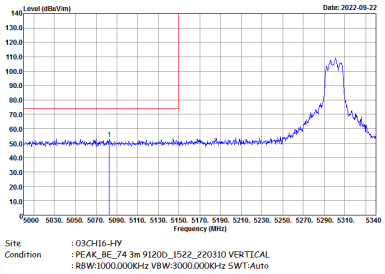
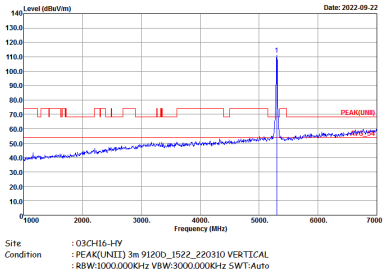
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.