FCC RADIO TEST REPORT

FCC ID	**:**	**A4RGVU6C**
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 Mar. 17, 2022 and testing was performed from Mar. 26, 2022 to May 17, 2022. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR1O2843-06E	01	Initial issue of report	Jun. 10, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	3.16 dB under the limit at 2483.520 MHz
3.5	15.207	AC Conducted Emission	Pass	20.04 dB under the limit at 0.152 MHz
3.6	15.203 15.407(a)	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 this 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: Rachel Hsieh

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Phone
FCC ID	A4RGVU6C
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/ NFC/GNSS/WPC/WPT WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE

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

EUT Information List	
S/N	Performed Test Item
23031FDH20005G	RF Conducted Measurement
22281FDH20003J	Radiated Spurious Emission
22281FDH20006N	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
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 4+3>** 802.11a: 22.57 dBm / 0.1807 W 802.11n HT20: 23.21 dBm / 0.2094 W 802.11n HT40: 22.67 dBm / 0.1849 W 802.11ac VHT20: 23.31 dBm / 0.2143 W 802.11ac VHT40: 22.77 dBm / 0.1892 W 802.11ac VHT80: 17.85 dBm / 0.0610 W 802.11ac VHT160: 17.02 dBm / 0.0504 W 802.11ax HE20: 23.41 dBm / 0.2193 W 802.11ax HE40: 22.87 dBm / 0.1936 W 802.11ax HE80: 17.95 dBm / 0.0624 W 802.11ax HE160: 17.12 dBm / 0.0515 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 4+3>** 802.11a: 22.41 dBm / 0.1742 W 802.11n HT20: 23.26 dBm / 0.2118 W 802.11n HT40: 23.56 dBm / 0.2339 W 802.11ac VHT20: 23.36 dBm / 0.2168 W 802.11ac VHT40: 23.66 dBm / 0.2323 W 802.11ac VHT80: 18.21 dBm / 0.0662 W 802.11ax HE20: 23.46 dBm / 0.2218 W 802.11ax HE40: 23.76 dBm / 0.2377 W 802.11ax HE80: 18.31 dBm / 0.0678 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 4+3>** 802.11a: 22.61 dBm / 0.1824 W 802.11n HT20: 22.96 dBm / 0.1977 W 802.11n HT40: 23.62 dBm / 0.2301 W 802.11ac VHT20: 23.06 dBm / 0.2023 W 802.11ac VHT40: 23.72 dBm / 0.2355 W 802.11ac VHT80: 23.67 dBm / 0.2328 W 802.11ac VHT160: 18.43 dBm / 0.0697 W 802.11ax HE20: 23.16 dBm / 0.2070 W 802.11ax HE40: 23.82 dBm / 0.2410 W 802.11ax HE80: 23.77 dBm / 0.2382 W 802.11ax HE160: 18.53 dBm / 0.0713 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: 17.88 MHz
802.11ax HE20: 19.78 MHz
802.11ax HE40: 39.06 MHz
802.11ax HE80: 77.56 MHz
802.11ax HE160: 156.56 MHz
MIMO <Ant. 3>
802.11a: 17.43 MHz
802.11ax HE20: 19.53 MHz
802.11ax HE40: 38.66 MHz
802.11ax HE80: 77.44 MHz
802.11ax HE160: 156.56 MHz</td></tr>
<tr><td>Antenna Type</td><td><5180 MHz ~ 5240 MHz>
<Ant. 4>: IFA Antenna
<Ant. 3>: Loop Antenna
<5260 MHz ~ 5320 MHz>
<Ant. 4>: IFA Antenna
<Ant. 3>: Loop Antenna
<5500 MHz ~ 5720 MHz>
<Ant. 4>: IFA Antenna
<Ant. 3>: Loop Antenna</td></tr>
<tr><td>Antenna Gain</td><td><5180 MHz ~ 5240 MHz>
<Ant. 4>: -5.2 dBi
<Ant. 3>: -1.7 dBi
<5260 MHz ~ 5320 MHz>
<Ant. 4>: -3.9 dBi
<Ant. 3>: -2.2 dBi
<5500 MHz ~ 5720 MHz>
<Ant. 4>: -4.3 dBi
<Ant. 3>: -2.8 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 3.6.
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 above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY, 03CH07-HY, TH02-HY

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

FCC designation No.: TW1190

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.

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 find X plane with Adapter as worst plane.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

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

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

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

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

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

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

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

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

The 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 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 CDD mode is chosen as worst case configuration for all test cases due to higher power than SISO mode.
The 802.11n/ac mode has no higher power and PSD than 802.11ax mode, thus the 802.11ax mode is chosen as main test configuration, and the 802.11n/ac mode is verified the power.

The final test modes consider the modulation and the worst data rates as shown in the table below.

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

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

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

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

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

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

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

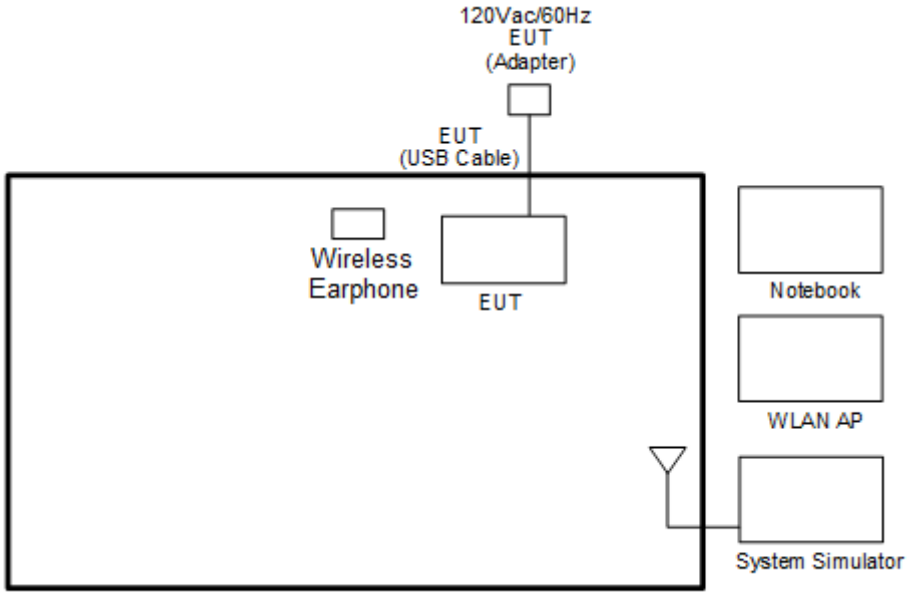
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

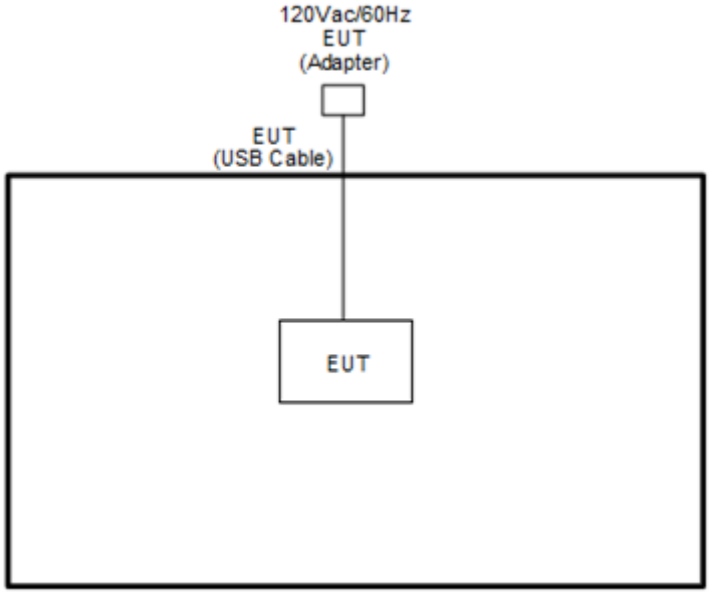
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8m
2.	Wireless Earphone	Google	G1007/G1008	A4RG1007/ A4RG1008	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8m
4.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “CMD Ver.10.0.19041.1415” 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 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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.

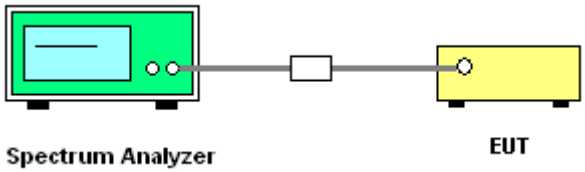
3.1.2 Measuring Instruments

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. Measure and record the results in the test report.

3.1.4 Test Setup

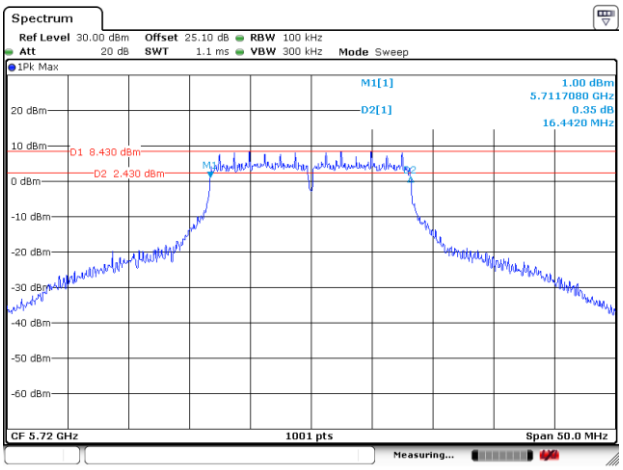
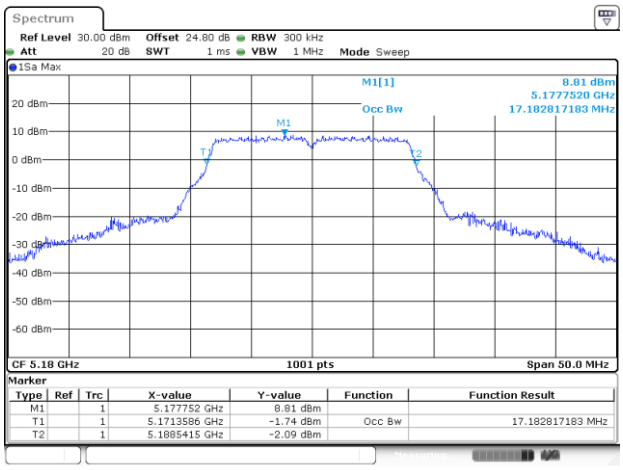


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

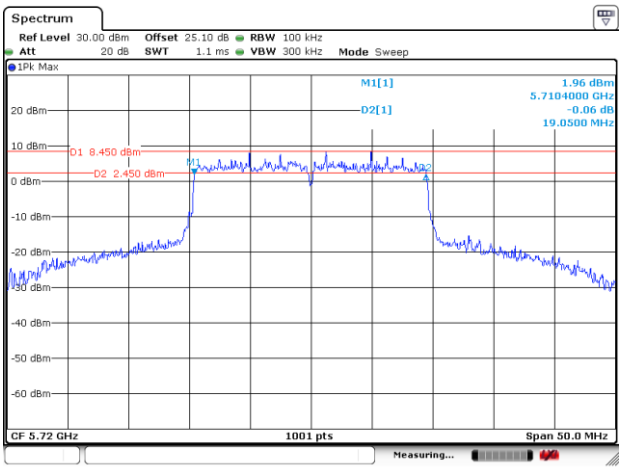
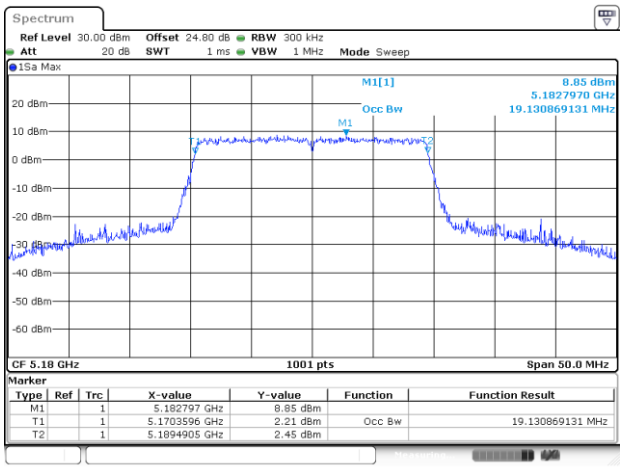
MIMO <Ant. 4+3>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

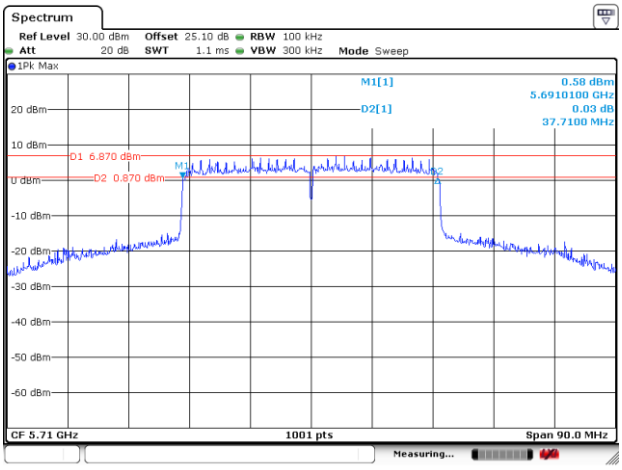
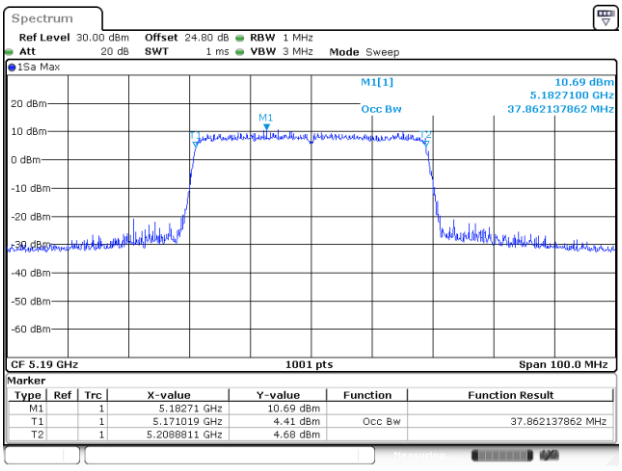
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

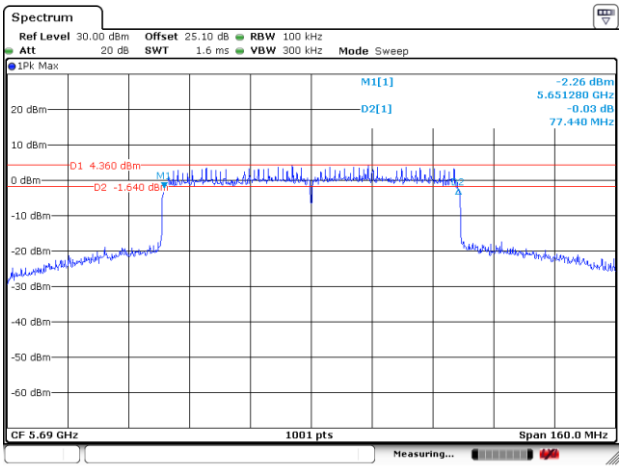
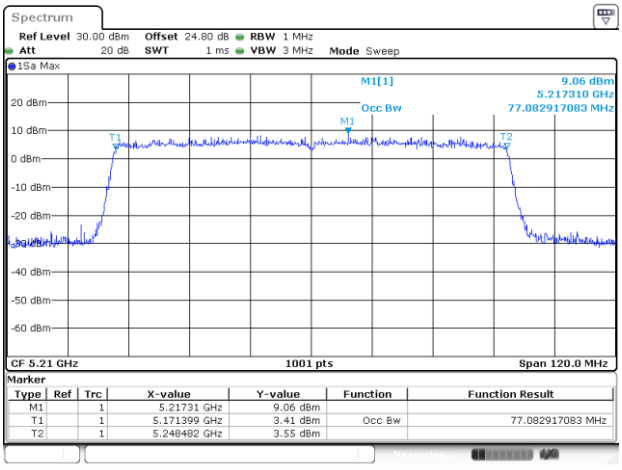
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

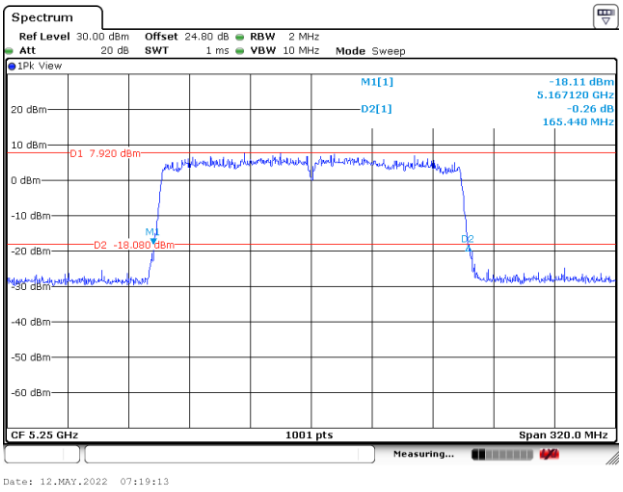
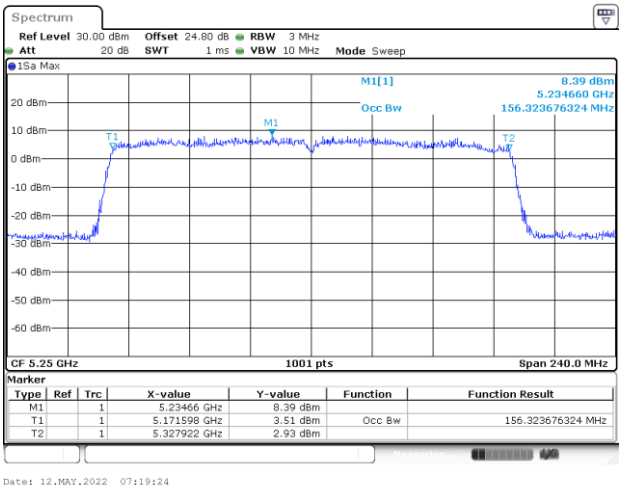
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11ax HE160>

26dB Bandwidth	99% Occupied Bandwidth
	

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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

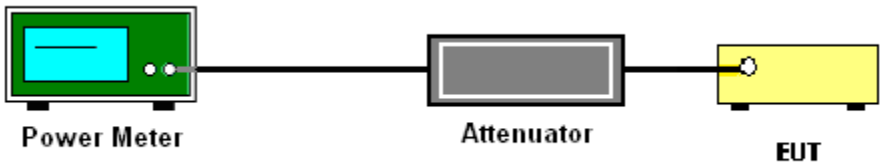
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

 # Method SA-2 #

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

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

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

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

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

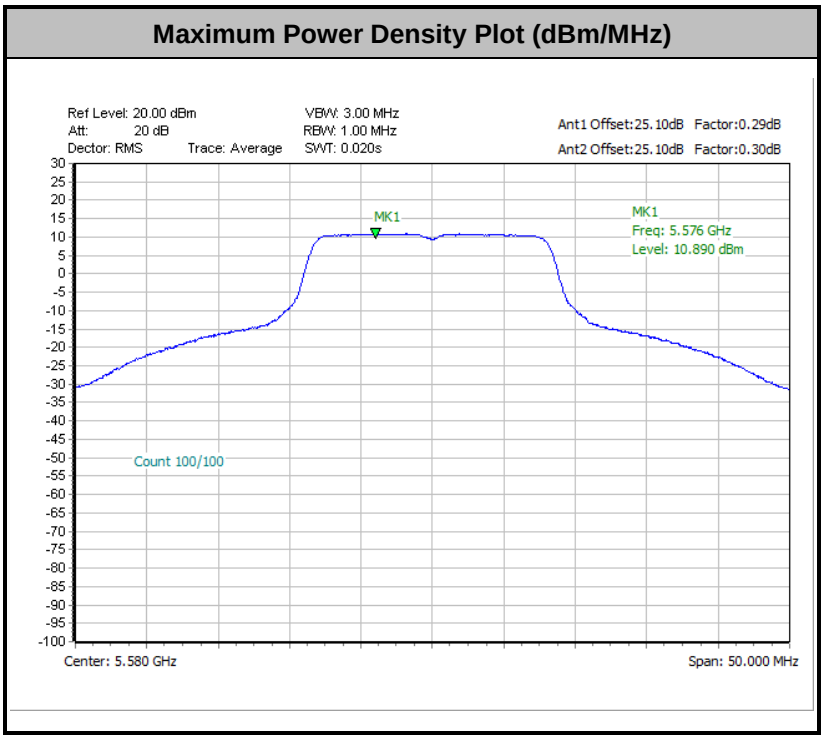
3.3.4 Test Setup

3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

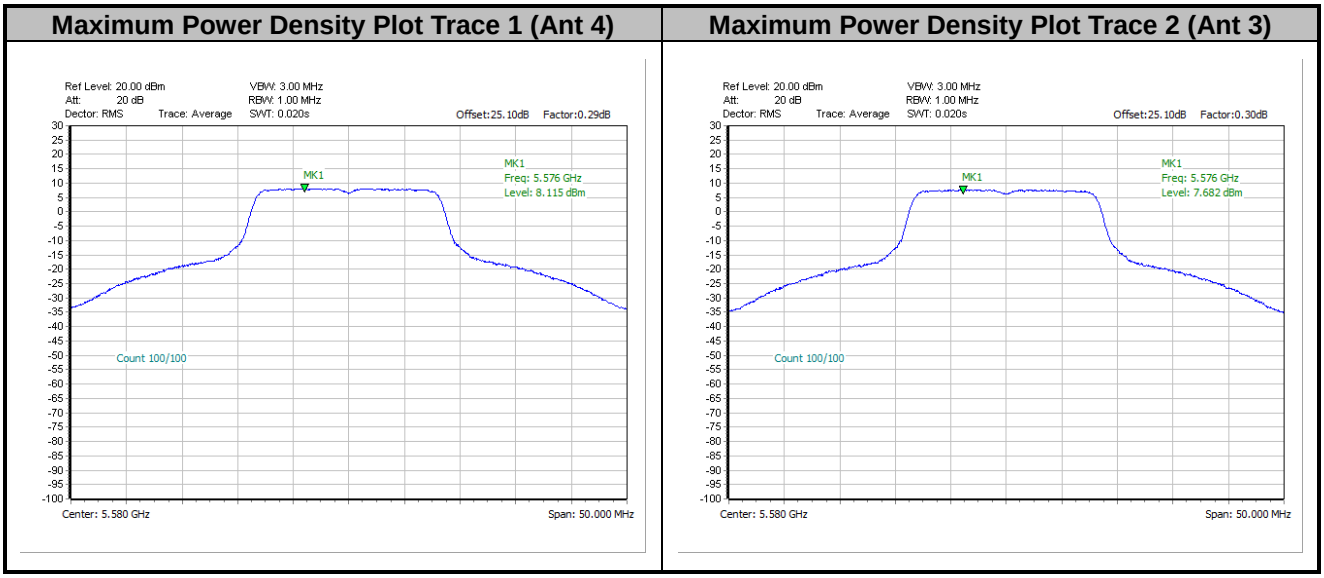
<802.11a>

Maximum Power Density Plot (dBm/MHz)



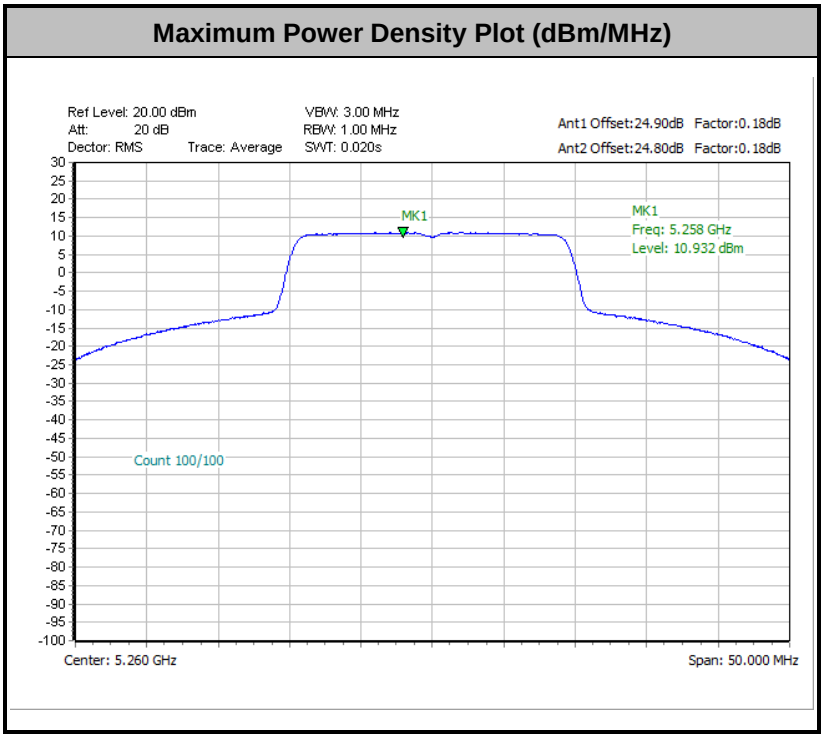
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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



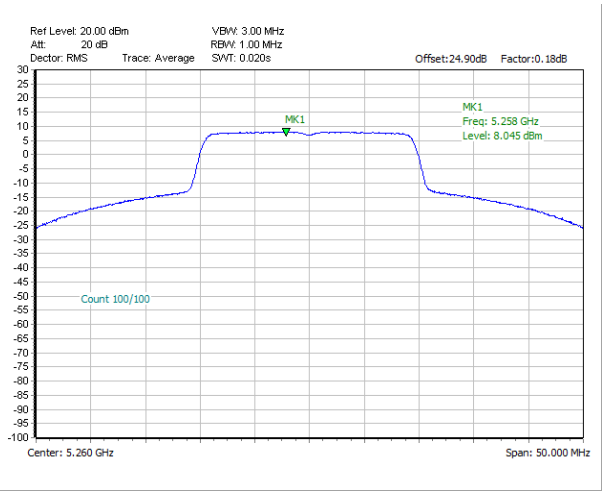
<802.11ax HE20>

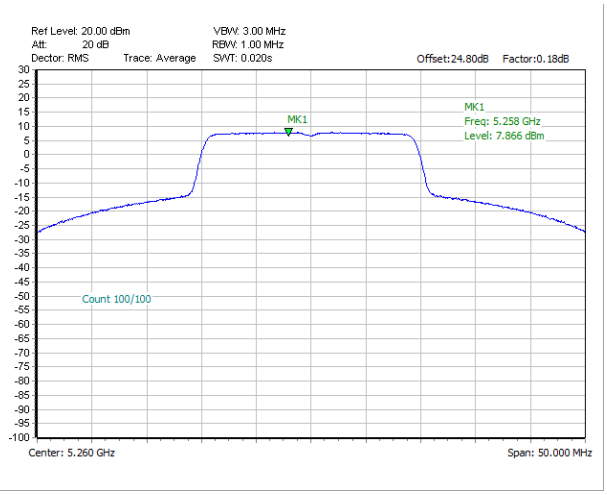
Maximum Power Density Plot (dBm/MHz)



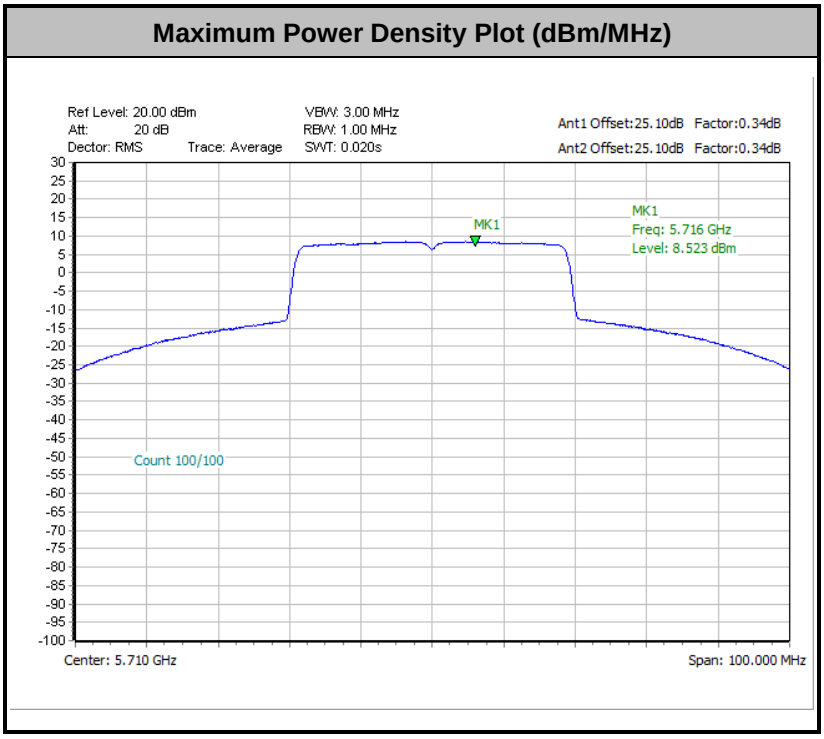
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

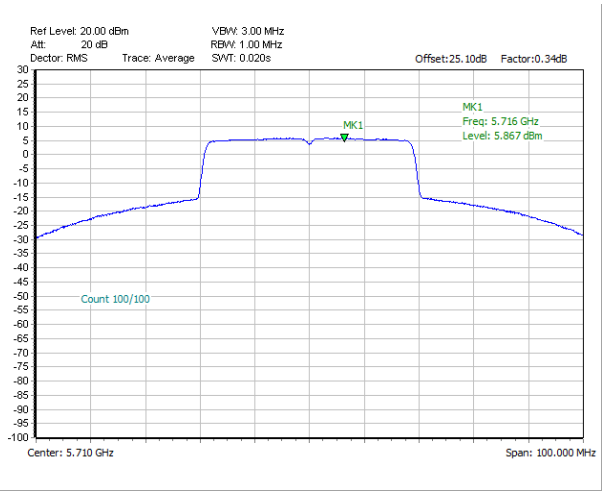
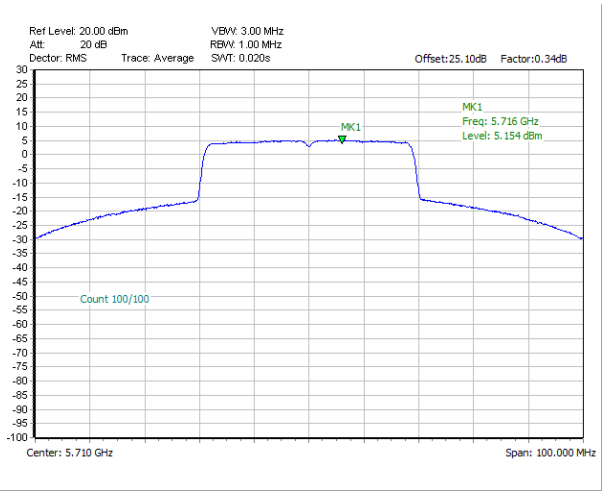




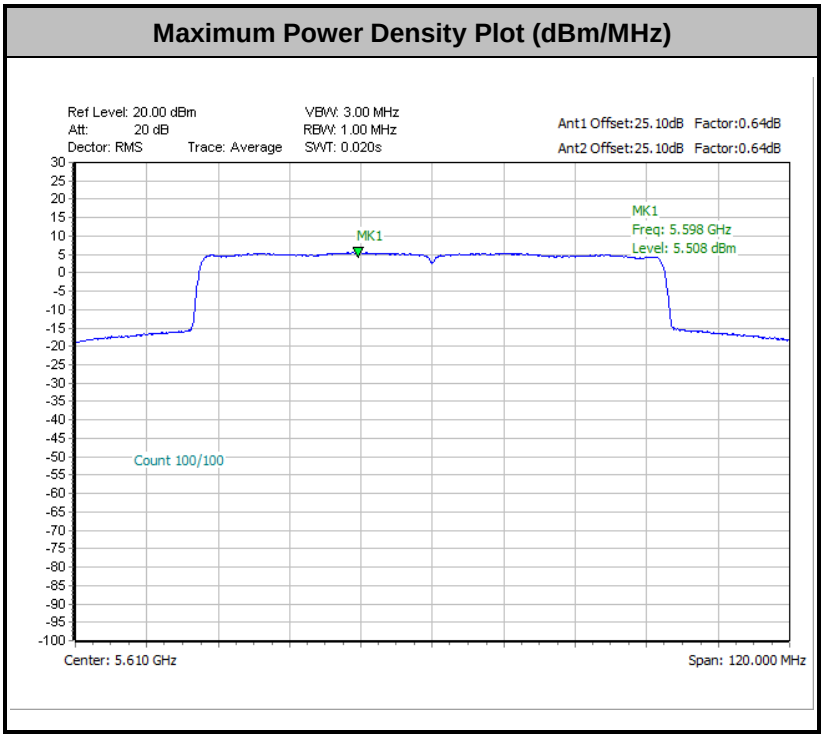
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


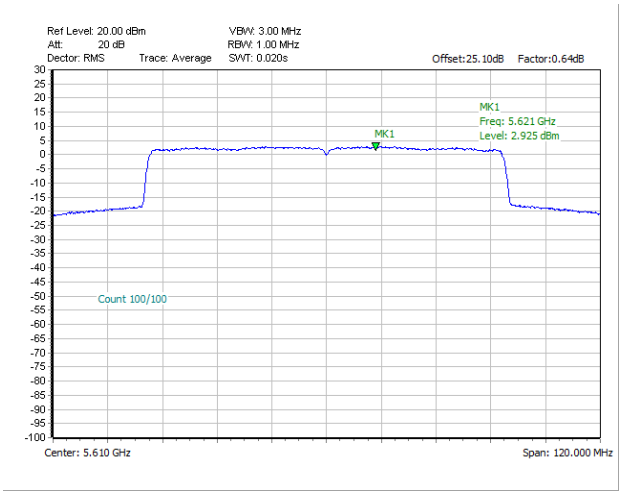
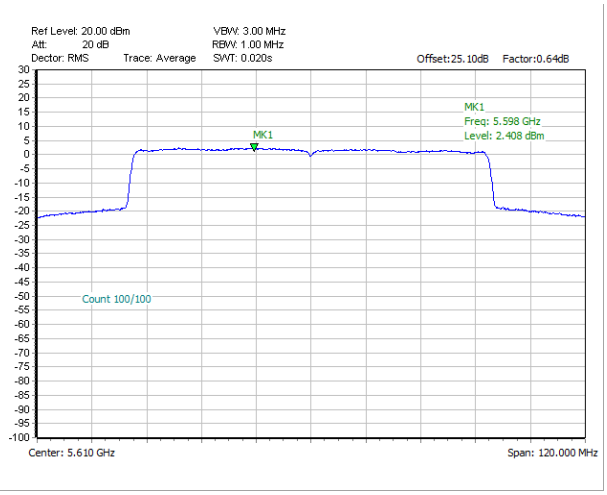
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

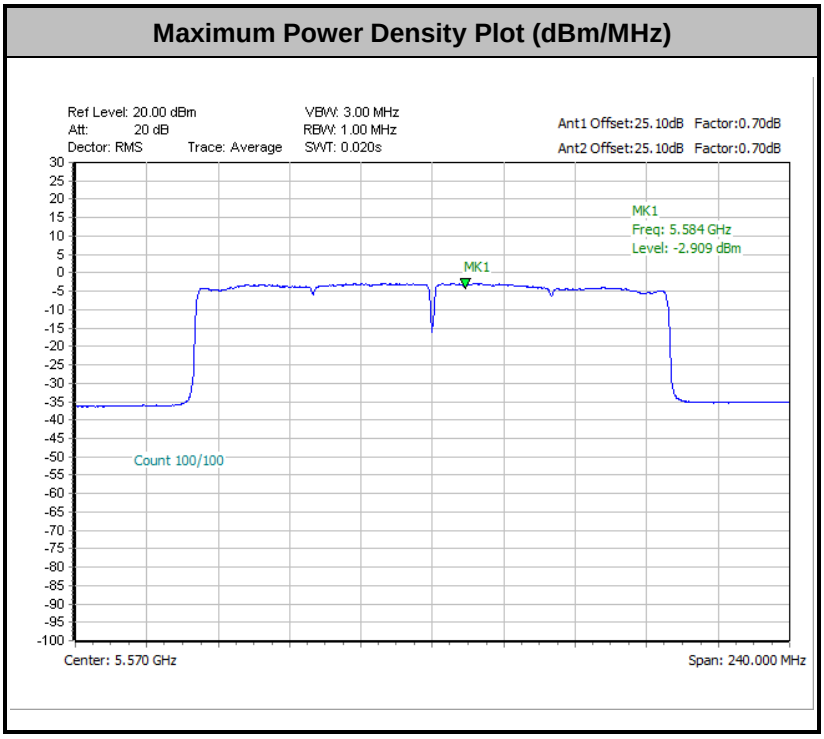
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


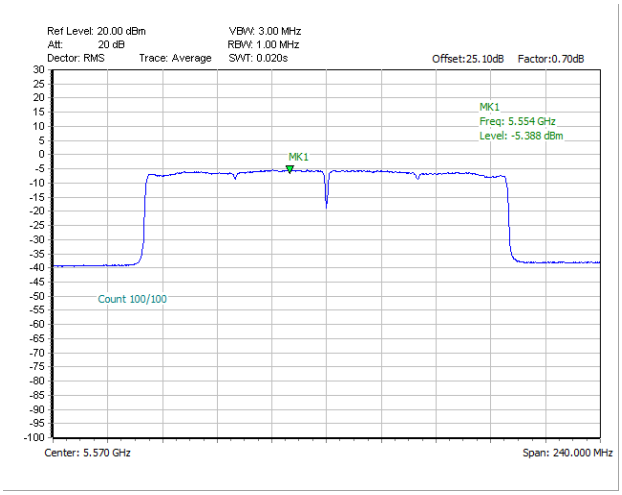
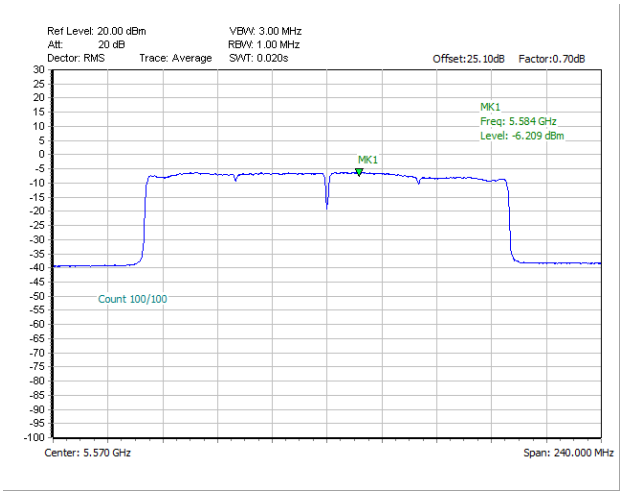
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)


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

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

(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

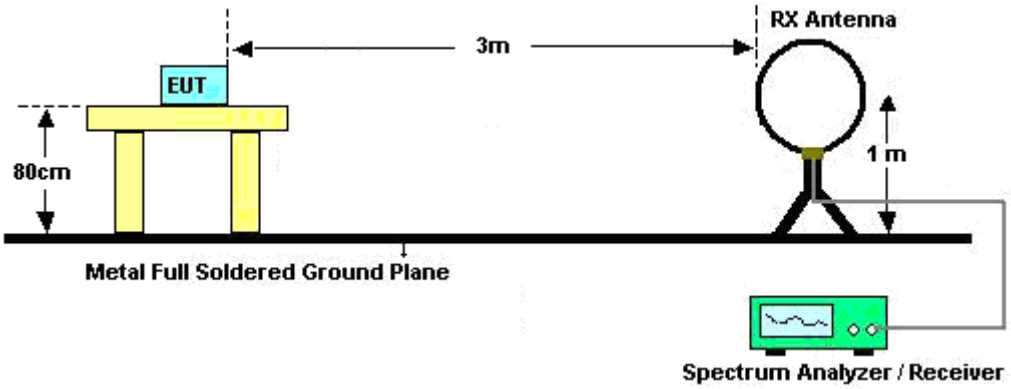
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

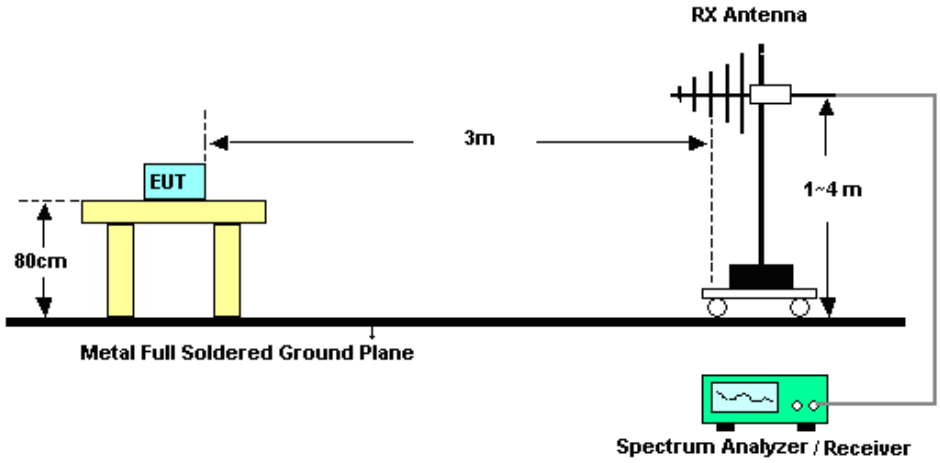
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

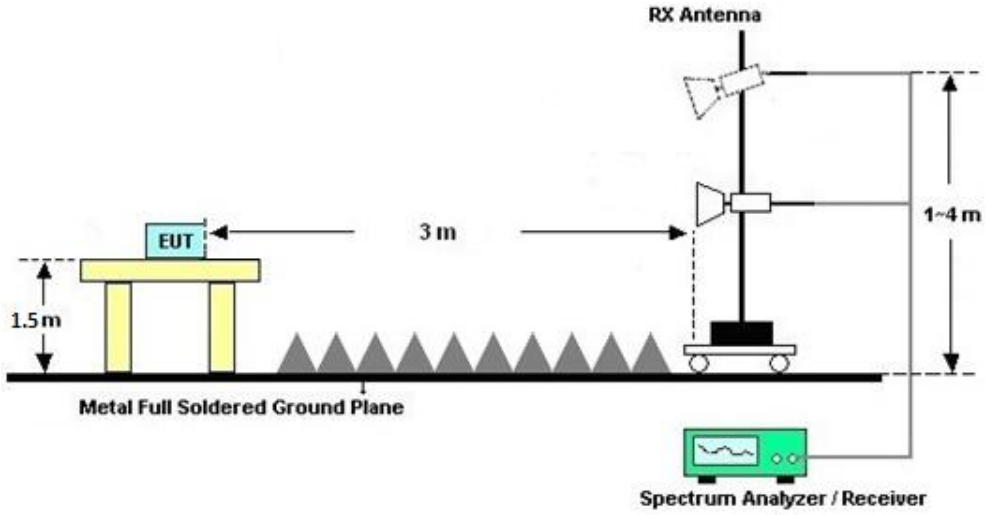
For radiated emissions below 30MHz



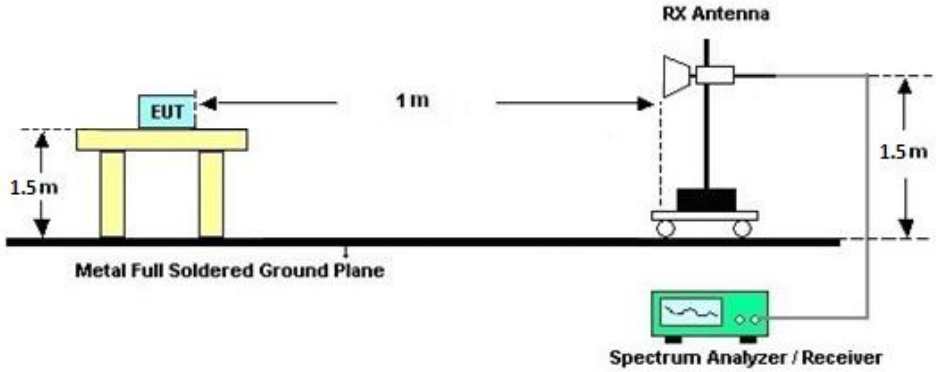
For radiated emissions from 30MHz to 1GHz



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.

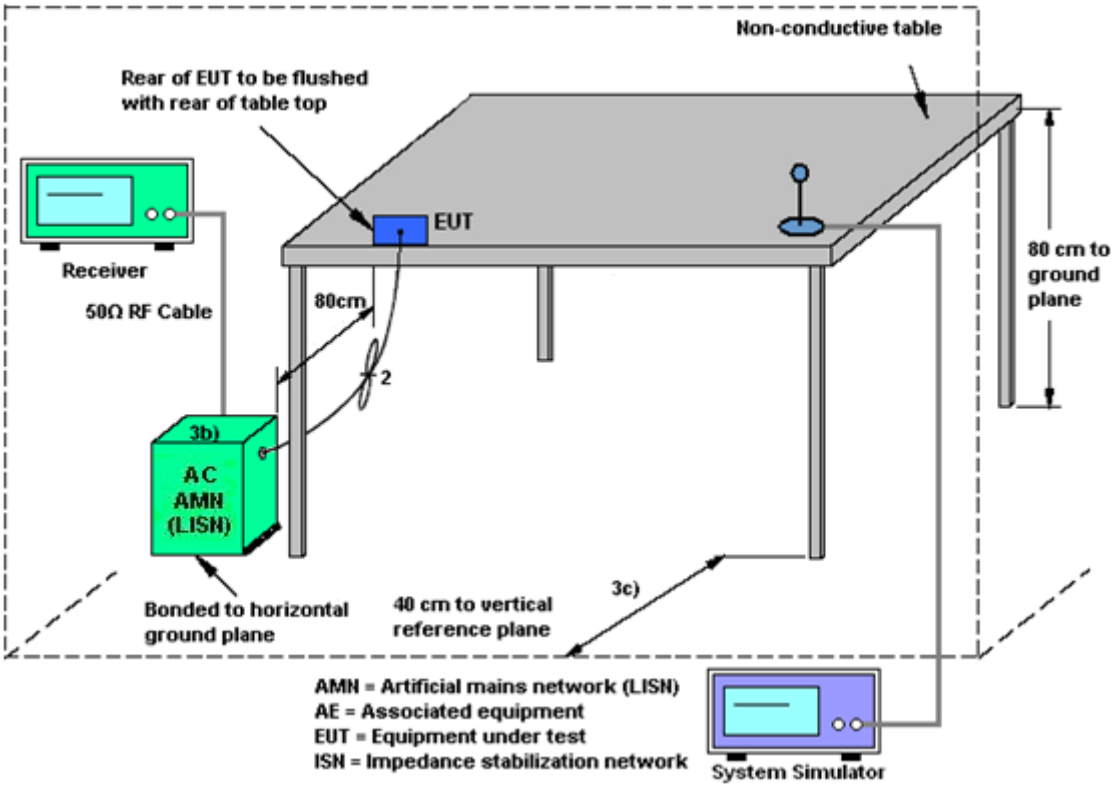
3.5.2 Measuring Instruments

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

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For power measurements on IEEE 802.11 devices,

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

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 follows F)2)f)ii) of KDB 662911 D01 v02r01.

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

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.

For example: If a device has two antenna, G_{ANT1}= 3.6dBi; G_{ANT2}=4.2dBi

Directional gain of power measurement = max(3.6, 4.2) + 0 = 4.2 dBi

Directional gain of PSD measurement = $10 * \log[(10^{3.6/20} + 10^{4.2/20})^2 / 2]$ = 6.92 dBi

The directional gain of EUT is listed in the following table.

<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 4	Ant. 3	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	-5.20	-1.70	-1.70	-0.26	0.00	0.00
Band II	-3.90	-2.20	-2.20	0.00	0.00	0.00
Band III	-4.30	-2.80	-2.80	-0.51	0.00	0.00

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

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0

Calculation example:
The DG for PSD is derived from formula is
10 x log { { [10^ (-5.20 dBi / 20) + 10^ (-1.70 dBi / 20)] ^ 2 } / 2 }
= -0.26 dBi

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35419 & 03	30MHz~1GHz	Apr. 28, 2021	Mar. 31, 2022~ May 03, 2022	Apr. 27, 2022	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 03, 2021	Mar. 31, 2022~ May 03, 2022	Dec. 02, 2022	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 07, 2022	Mar. 31, 2022~ May 03, 2022	Jan. 06, 2023	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 22, 2021	Mar. 31, 2022~ May 03, 2022	Apr. 21, 2022	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 21, 2022	Mar. 31, 2022~ May 03, 2022	Apr. 20, 2023	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 04, 2021	Mar. 31, 2022~ May 03, 2022	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 04, 2021	Mar. 31, 2022~ May 03, 2022	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 23, 2021	Mar. 31, 2022~ May 03, 2022	Jul. 22, 2022	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jul. 22, 2021	Mar. 31, 2022~ May 03, 2022	Jul. 21, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz to 18GHz	Feb. 23, 2022	Mar. 31, 2022~ May 03, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz to 18GHz	Feb. 23, 2022	Mar. 31, 2022~ May 03, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz to 18GHz	Feb. 23, 2022	Mar. 31, 2022~ May 03, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 17, 2021	Mar. 31, 2022~ May 03, 2022	Sep. 16, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 23, 2022	Mar. 31, 2022~ May 03, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2857/2	9KHz ~ 40GHz	Sep. 06, 2021	Mar. 31, 2022~ May 03, 2022	Sep. 05, 2022	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Mar. 31, 2022~ May 03, 2022	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Mar. 31, 2022~ May 03, 2022	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Mar. 31, 2022~ May 03, 2022	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Mar. 31, 2022~ May 03, 2022	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Mar. 31, 2022~ May 03, 2022	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB1148	N/A	Oct. 25, 2021	Mar. 31, 2022~ May 03, 2022	Oct. 24, 2022	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Mar. 31, 2022~ May 03, 2022	Nov. 29, 2022	Radiation (03CH07-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Mar. 26, 2022~ May 17, 2022	Nov. 15, 2022	Conducted (TH02-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 16, 2021	Mar. 26, 2022~ May 17, 2022	Dec. 15, 2022	Conducted (TH02-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Mar. 26, 2022~ May 17, 2022	Aug. 29, 2022	Conducted (TH02-HY)
Switch Control Mainframe	E-IUSTRUME NT	ETF-1405-0	EC1900067 (BOX7)	N/A	Aug. 12, 2021	Mar. 26, 2022~ May 17, 2022	Aug. 11, 2022	Conducted (TH02-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 20, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Apr. 20, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Apr. 20, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Apr. 20, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Apr. 20, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Apr. 20, 2022	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Apr. 20, 2022	Dec. 29, 2022	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.1 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1 dB**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.8 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.0 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Jacob Yu/Junyu Jhou	Temperature:	21~25	°C
Test Date:	2022/3/26~2022/5/17	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I 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	17.18	16.93	21.85	21.60	-		22.29			
11a	6Mbps	2	44	5220	17.83	17.28	31.00	24.15	-		22.38			
11a	6Mbps	2	48	5240	17.88	17.28	30.85	25.05	-		22.38			

TEST RESULTS DATA
Average Power Table

FCC Band I 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	18.00	17.30	20.67	24.00		-1.70		Pass
11a	6Mbps	2	44	5220	19.80	19.20	22.52	24.00		-1.70		Pass
11a	6Mbps	2	48	5240	19.80	19.30	22.57	24.00		-1.70		Pass
HT20	MCS0	2	36	5180	16.80	16.10	19.47	24.00		-1.70		Pass
HT20	MCS0	2	44	5220	20.30	20.10	23.21	24.00		-1.70		Pass
HT20	MCS0	2	48	5240	20.30	20.10	23.21	24.00		-1.70		Pass
HT40	MCS0	2	38	5190	14.70	13.60	17.20	24.00		-1.70		Pass
HT40	MCS0	2	46	5230	19.90	19.40	22.67	24.00		-1.70		Pass
VHT20	MCS0	2	36	5180	16.90	16.20	19.57	24.00		-1.70		Pass
VHT20	MCS0	2	44	5220	20.40	20.20	23.31	24.00		-1.70		Pass
VHT20	MCS0	2	48	5240	20.40	20.20	23.31	24.00		-1.70		Pass
VHT40	MCS0	2	38	5190	14.80	13.70	17.30	24.00		-1.70		Pass
VHT40	MCS0	2	46	5230	20.00	19.50	22.77	24.00		-1.70		Pass
VHT80	MCS0	2	42	5210	15.40	14.20	17.85	24.00		-1.70		Pass
VHT160	MCS0	2	50	5250	14.30	13.70	17.02	24.00		-1.70		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	36	5180	0.29	0.30			8.60	11.00		-0.26			Pass
11a	6Mbps	2	44	5220	0.29	0.30			10.61	11.00		-0.26			Pass
11a	6Mbps	2	48	5240	0.29	0.30			10.74	11.00		-0.26			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II 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	17.68	17.33	31.00	27.55	23.39		29.39		23.98		
11a	6Mbps	2	60	5300	17.63	17.33	30.80	25.30	23.39		29.39		23.98		
11a	6Mbps	2	64	5320	17.33	17.03	22.10	22.00	23.31		29.31		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II 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	19.40	19.30	22.36	23.98		-2.20		30	Pass
11a	6Mbps	2	60	5300	19.40	19.40	22.41	23.98		-2.20		30	Pass
11a	6Mbps	2	64	5320	18.30	18.20	21.26	23.98		-2.20		30	Pass
HT20	MCS0	2	52	5260	20.10	20.20	23.16	23.98		-2.20		30	Pass
HT20	MCS0	2	60	5300	20.20	20.30	23.26	23.98		-2.20		30	Pass
HT20	MCS0	2	64	5320	16.90	16.80	19.86	23.98		-2.20		30	Pass
HT40	MCS0	2	54	5270	20.50	20.60	23.56	23.98		-2.20		30	Pass
HT40	MCS0	2	62	5310	15.90	15.90	18.91	23.98		-2.20		30	Pass
VHT20	MCS0	2	52	5260	20.20	20.30	23.26	23.98		-2.20		30	Pass
VHT20	MCS0	2	60	5300	20.30	20.40	23.36	23.98		-2.20		30	Pass
VHT20	MCS0	2	64	5320	17.00	16.90	19.96	23.98		-2.20		30	Pass
VHT40	MCS0	2	54	5270	20.60	20.70	23.66	23.98		-2.20		30	Pass
VHT40	MCS0	2	62	5310	16.00	16.00	19.01	23.98		-2.20		30	Pass
VHT80	MCS0	2	58	5290	15.40	15.00	18.21	23.98		-2.20		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260	0.29	0.30			10.61	11.00		0.00			Pass
11a	6Mbps	2	60	5300	0.29	0.30			10.57	11.00		0.00			Pass
11a	6Mbps	2	64	5320	0.29	0.30			9.16	11.00		0.00			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III 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	17.53	17.38	28.00	25.40	23.40		29.40		23.98		----	----
11a	6Mbps	2	116	5580	17.73	17.43	30.80	29.60	23.41		29.41		23.98		----	----
11a	6Mbps	2	140	5700	17.48	17.33	25.50	28.10	23.39		29.39		23.98		----	----

Band III 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	13.89	13.69	21.30	21.35	22.36		28.36		23.98		3.15	3.14

TEST RESULTS DATA
Average Power Table

FCC Band III 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	19.60	19.30	22.46	23.98		-2.80		30	Pass
11a	6Mbps	2	116	5580	19.80	19.40	22.61	23.98		-2.80		30	Pass
11a	6Mbps	2	140	5700	19.30	18.60	21.97	23.98		-2.80		30	Pass
HT20	MCS0	2	100	5500	19.30	19.00	22.16	23.98		-2.80		30	Pass
HT20	MCS0	2	116	5580	20.10	19.80	22.96	23.98		-2.80		30	Pass
HT20	MCS0	2	140	5700	18.00	16.60	20.37	23.98		-2.80		30	Pass
HT40	MCS0	2	102	5510	17.00	16.40	19.72	23.98		-2.80		30	Pass
HT40	MCS0	2	110	5550	20.90	20.30	23.62	23.98		-2.80		30	Pass
HT40	MCS0	2	134	5670	20.10	19.40	22.77	23.98		-2.80		30	Pass
VHT20	MCS0	2	100	5500	19.40	19.10	22.26	23.98		-2.80		30	Pass
VHT20	MCS0	2	116	5580	20.20	19.90	23.06	23.98		-2.80		30	Pass
VHT20	MCS0	2	140	5700	18.10	16.70	20.47	23.98		-2.80		30	Pass
VHT40	MCS0	2	102	5510	17.10	16.50	19.82	23.98		-2.80		30	Pass
VHT40	MCS0	2	110	5550	21.00	20.40	23.72	23.98		-2.80		30	Pass
VHT40	MCS0	2	134	5670	20.20	19.50	22.87	23.98		-2.80		30	Pass
VHT80	MCS0	2	106	5530	15.50	14.80	18.17	23.98		-2.80		30	Pass
VHT80	MCS0	2	122	5610	20.90	20.40	23.67	23.98		-2.80		30	Pass
VHT160	MCS0	2	114	5570	15.80	15.00	18.43	23.98		-2.80		30	Pass

FCC Band III 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	19.90	19.10	22.53	23.98		-2.80		30	Pass
HT20	MCS0	2	144	5720	20.30	19.60	22.97	23.98		-2.80		30	Pass
HT40	MCS0	2	142	5710	20.80	20.00	23.43	23.98		-2.80		30	Pass
VHT20	MCS0	2	144	5720	20.40	19.70	23.07	23.98		-2.80		30	Pass
VHT40	MCS0	2	142	5710	20.90	20.10	23.53	23.98		-2.80		30	Pass
VHT80	MCS0	2	138	5690	20.80	20.20	23.52	23.98		-2.80		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	100	5500	0.29	0.30			10.74	11.00		-0.51			Pass
11a	6Mbps	2	116	5580	0.29	0.30			10.89	11.00		-0.51			Pass
11a	6Mbps	2	140	5700	0.29	0.30			10.13	11.00		-0.51			Pass

Band III straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	144	5720	0.29	0.30			10.74	11.00		-0.51			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band I 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	19.13	19.18	22.10	21.70	-		22.82			
HE20	MCS0	2	44	5220	Full	19.73	19.53	40.92	32.77	-		22.91			
HE20	MCS0	2	48	5240	Full	19.78	19.48	34.61	32.14	-		22.90			
HE40	MCS0	2	38	5190	Full	37.86	37.76	40.05	39.60	-		23.01			
HE40	MCS0	2	46	5230	Full	38.46	38.06	61.83	40.95	-		23.01			
HE80	MCS0	2	42	5210	Full	77.08	76.84	82.40	81.76	-		23.01			
HE160	MCS0	2	50	5250	Full	156.32	156.56	165.44	166.72	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	36	5180	Full	17.00	16.30	19.67	24.00		-1.70			Pass
HE20	MCS0	2	36	5180	26/0	5.70	4.40	8.11	24.00		-1.70			Pass
HE20	MCS0	2	36	5180	52/37	10.50	9.30	12.95	24.00		-1.70			Pass
HE20	MCS0	2	36	5180	106/53	13.90	12.90	16.44	24.00		-1.70			Pass
HE20	MCS0	2	44	5220	Full	20.50	20.30	23.41	24.00		-1.70			Pass
HE20	MCS0	2	44	5220	26/4	12.80	11.50	15.21	24.00		-1.70			Pass
HE20	MCS0	2	44	5220	52/39	14.80	13.60	17.25	24.00		-1.70			Pass
HE20	MCS0	2	44	5220	106/53	17.10	16.20	19.68	24.00		-1.70			Pass
HE20	MCS0	2	48	5240	Full	20.50	20.30	23.41	24.00		-1.70			Pass
HE20	MCS0	2	48	5240	26/8	11.70	10.50	14.15	24.00		-1.70			Pass
HE20	MCS0	2	48	5240	52/40	14.20	13.10	16.70	24.00		-1.70			Pass
HE20	MCS0	2	48	5240	106/54	17.10	16.30	19.73	24.00		-1.70			Pass
HE40	MCS0	2	38	5190	Full	14.90	13.80	17.40	24.00		-1.70			Pass
HE40	MCS0	2	46	5230	Full	20.10	19.60	22.87	24.00		-1.70			Pass
HE80	MCS0	2	42	5210	Full	15.50	14.30	17.95	24.00		-1.70			Pass
HE160	MCS0	2	50	5250	Full	14.40	13.80	17.12	24.00		-1.70			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	36	5180	Full	0.18	0.18			6.95	11.00		-0.26			Pass
HE20	MCS0	2	36	5180	26/0	0.48	0.49			4.18	11.00		-0.26			Pass
HE20	MCS0	2	36	5180	52/37	0.64	0.64			6.57	11.00		-0.26			Pass
HE20	MCS0	2	36	5180	106/53	0.64	0.71			6.92	11.00		-0.26			Pass
HE20	MCS0	2	44	5220	Full	0.18	0.18			10.87	11.00		-0.26			Pass
HE20	MCS0	2	44	5220	26/4	0.48	0.49			10.50	11.00		-0.26			Pass
HE20	MCS0	2	44	5220	52/39	0.64	0.64			10.59	11.00		-0.26			Pass
HE20	MCS0	2	44	5220	106/53	0.64	0.71			10.45	11.00		-0.26			Pass
HE20	MCS0	2	48	5240	Full	0.18	0.18			10.83	11.00		-0.26			Pass
HE20	MCS0	2	48	5240	26/8	0.48	0.49			10.65	11.00		-0.26			Pass
HE20	MCS0	2	48	5240	52/40	0.64	0.64			10.48	11.00		-0.26			Pass
HE20	MCS0	2	48	5240	106/54	0.64	0.71			10.71	11.00		-0.26			Pass
HE40	MCS0	2	38	5190	Full	0.34	0.34			1.83	11.00		-0.26			Pass
HE40	MCS0	2	46	5230	Full	0.34	0.34			7.32	11.00		-0.26			Pass
HE80	MCS0	2	42	5210	Full	0.64	0.64			-0.62	11.00		-0.26			Pass
HE160	MCS0	2	50	5250	Full	0.70	0.70			-4.21	11.00		-0.26			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II 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	19.68	19.48	34.61	39.08	23.90		29.90		23.98		
HE20	MCS0	2	60	5300	Full	19.68	19.48	38.90	34.83	23.90		29.90		23.98		
HE20	MCS0	2	64	5320	Full	19.18	19.13	21.90	21.85	23.82		29.82		23.98		
HE40	MCS0	2	54	5270	Full	38.86	38.56	71.91	72.90	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.86	37.86	40.23	39.78	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.08	77.08	82.56	82.24	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II 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	20.30	20.40	23.36	23.98		-2.20		30	Pass
HE20	MCS0	2	52	5260	26/0	11.40	11.00	14.21	23.98		-2.20		30	Pass
HE20	MCS0	2	52	5260	52/37	14.00	13.40	16.72	23.98		-2.20		30	Pass
HE20	MCS0	2	52	5260	106/53	17.00	16.80	19.91	23.98		-2.20		30	Pass
HE20	MCS0	2	60	5300	Full	20.40	20.50	23.46	23.98		-2.20		30	Pass
HE20	MCS0	2	60	5300	26/4	12.50	11.90	15.22	23.98		-2.20		30	Pass
HE20	MCS0	2	60	5300	52/39	14.30	13.70	17.02	23.98		-2.20		30	Pass
HE20	MCS0	2	60	5300	106/54	16.50	16.40	19.46	23.98		-2.20		30	Pass
HE20	MCS0	2	64	5320	Full	17.10	17.00	20.06	23.98		-2.20		30	Pass
HE20	MCS0	2	64	5320	26/8	8.10	7.60	10.87	23.98		-2.20		30	Pass
HE20	MCS0	2	64	5320	52/40	10.60	10.10	13.37	23.98		-2.20		30	Pass
HE20	MCS0	2	64	5320	106/54	13.30	13.10	16.21	23.98		-2.20		30	Pass
HE40	MCS0	2	54	5270	Full	20.70	20.80	23.76	23.98		-2.20		30	Pass
HE40	MCS0	2	62	5310	Full	16.10	16.10	19.11	23.98		-2.20		30	Pass
HE80	MCS0	2	58	5290	Full	15.50	15.10	18.31	23.98		-2.20		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	52	5260	Full	0.18	0.18			10.93	11.00		0.00			Pass
HE20	MCS0	2	52	5260	26/0	0.48	0.49			10.74	11.00		0.00			Pass
HE20	MCS0	2	52	5260	52/37	0.64	0.64			10.52	11.00		0.00			Pass
HE20	MCS0	2	52	5260	106/53	0.64	0.71			10.82	11.00		0.00			Pass
HE20	MCS0	2	60	5300	Full	0.18	0.18			10.90	11.00		0.00			Pass
HE20	MCS0	2	60	5300	26/4	0.48	0.49			10.67	11.00		0.00			Pass
HE20	MCS0	2	60	5300	52/39	0.64	0.64			10.87	11.00		0.00			Pass
HE20	MCS0	2	60	5300	106/54	0.64	0.71			10.70	11.00		0.00			Pass
HE20	MCS0	2	64	5320	Full	0.18	0.18			7.62	11.00		0.00			Pass
HE20	MCS0	2	64	5320	26/8	0.48	0.49			7.59	11.00		0.00			Pass
HE20	MCS0	2	64	5320	52/40	0.64	0.64			7.23	11.00		0.00			Pass
HE20	MCS0	2	64	5320	106/54	0.64	0.71			7.17	11.00		0.00			Pass
HE40	MCS0	2	54	5270	Full	0.34	0.34			8.43	11.00		0.00			Pass
HE40	MCS0	2	62	5310	Full	0.34	0.34			3.51	11.00		0.00			Pass
HE80	MCS0	2	58	5290	Full	0.64	0.64			-0.07	11.00		0.00			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III 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	19.33	19.38	29.75	28.45	23.86		29.86		23.98		----	----
HE20	MCS0	2	116	5580	Full	19.53	19.48	41.15	30.25	23.90		29.90		23.98		----	----
HE20	MCS0	2	140	5700	Full	19.23	19.23	21.90	22.40	23.84		29.84		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.76	37.76	40.23	39.87	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	39.06	38.66	72.62	79.44	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	38.66	38.46	61.90	68.44	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.20	77.08	82.40	81.76	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.56	77.44	148.29	133.65	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.56	156.56	166.08	166.08	23.98		30.00		23.98		----	----

Band III 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	14.79	14.84	22.10	24.50	22.70		28.70		23.98		4.45	4.3
HE40	MCS0	2	142	5710	Full	34.38	34.48	45.54	53.09	23.98		30.00		23.98		3.72	3.63
HE80	MCS0	2	138	5690	Full	73.84	73.84	100.15	103.31	23.98		30.00		23.98		3.72	3.08

TEST RESULTS DATA
Average Power Table

FCC Band III 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	19.50	19.20	22.36	23.98		-2.80		30	Pass
HE20	MCS0	2	100	5500	26/0	10.10	9.70	12.91	23.98		-2.80		30	Pass
HE20	MCS0	2	100	5500	52/37	13.10	12.60	15.87	23.98		-2.80		30	Pass
HE20	MCS0	2	100	5500	106/53	15.70	15.60	18.66	23.98		-2.80		30	Pass
HE20	MCS0	2	116	5580	Full	20.30	20.00	23.16	23.98		-2.80		30	Pass
HE20	MCS0	2	116	5580	26/4	12.70	11.90	15.33	23.98		-2.80		30	Pass
HE20	MCS0	2	116	5580	52/38	14.40	13.00	16.77	23.98		-2.80		30	Pass
HE20	MCS0	2	116	5580	106/53	17.30	16.40	19.88	23.98		-2.80		30	Pass
HE20	MCS0	2	140	5700	Full	18.20	16.80	20.57	23.98		-2.80		30	Pass
HE20	MCS0	2	140	5700	26/8	9.00	7.40	11.28	23.98		-2.80		30	Pass
HE20	MCS0	2	140	5700	52/40	11.50	9.90	13.78	23.98		-2.80		30	Pass
HE20	MCS0	2	140	5700	106/54	14.70	13.50	17.15	23.98		-2.80		30	Pass
HE40	MCS0	2	102	5510	Full	17.20	16.60	19.92	23.98		-2.80		30	Pass
HE40	MCS0	2	110	5550	Full	21.10	20.50	23.82	23.98		-2.80		30	Pass
HE40	MCS0	2	134	5670	Full	20.30	19.60	22.97	23.98		-2.80		30	Pass
HE80	MCS0	2	106	5530	Full	15.60	14.90	18.27	23.98		-2.80		30	Pass
HE80	MCS0	2	122	5610	Full	21.00	20.50	23.77	23.98		-2.80		30	Pass
HE160	MCS0	2	114	5570	Full	15.90	15.10	18.53	23.98		-2.80		30	Pass

FCC Band III 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	20.50	19.80	23.17	23.98		-2.80		30	Pass
HE20	MCS0	2	144	5720	26/8	11.80	10.20	14.08	23.98		-2.80		30	Pass
HE20	MCS0	2	144	5720	52/40	14.80	13.30	17.12	23.98		-2.80		30	Pass
HE20	MCS0	2	144	5720	106/54	17.40	16.20	19.85	23.98		-2.80		30	Pass
HE40	MCS0	2	142	5710	Full	21.00	20.20	23.63	23.98		-2.80		30	Pass
HE80	MCS0	2	138	5690	Full	20.90	20.30	23.62	23.98		-2.80		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	100	5500	Full	0.18	0.18			9.81	11.00		-0.51			Pass
HE20	MCS0	2	100	5500	26/0	0.48	0.49			9.47	11.00		-0.51			Pass
HE20	MCS0	2	100	5500	52/37	0.64	0.64			9.63	11.00		-0.51			Pass
HE20	MCS0	2	100	5500	106/53	0.64	0.71			9.76	11.00		-0.51			Pass
HE20	MCS0	2	116	5580	Full	0.18	0.18			10.73	11.00		-0.51			Pass
HE20	MCS0	2	116	5580	26/4	0.48	0.49			10.67	11.00		-0.51			Pass
HE20	MCS0	2	116	5580	52/38	0.64	0.64			10.36	11.00		-0.51			Pass
HE20	MCS0	2	116	5580	106/53	0.64	0.71			10.49	11.00		-0.51			Pass
HE20	MCS0	2	140	5700	Full	0.18	0.18			7.97	11.00		-0.51			Pass
HE20	MCS0	2	140	5700	26/8	0.48	0.49			7.81	11.00		-0.51			Pass
HE20	MCS0	2	140	5700	52/40	0.64	0.64			7.48	11.00		-0.51			Pass
HE20	MCS0	2	140	5700	106/54	0.64	0.71			7.81	11.00		-0.51			Pass
HE40	MCS0	2	102	5510	Full	0.34	0.34			4.32	11.00		-0.51			Pass
HE40	MCS0	2	110	5550	Full	0.34	0.34			8.43	11.00		-0.51			Pass
HE40	MCS0	2	134	5670	Full	0.34	0.34			7.52	11.00		-0.51			Pass
HE80	MCS0	2	106	5530	Full	0.64	0.64			0.04	11.00		-0.51			Pass
HE80	MCS0	2	122	5610	Full	0.64	0.64			5.51	11.00		-0.51			Pass
HE160	MCS0	2	114	5570	Full	0.70	0.70			-2.91	11.00		-0.51			Pass

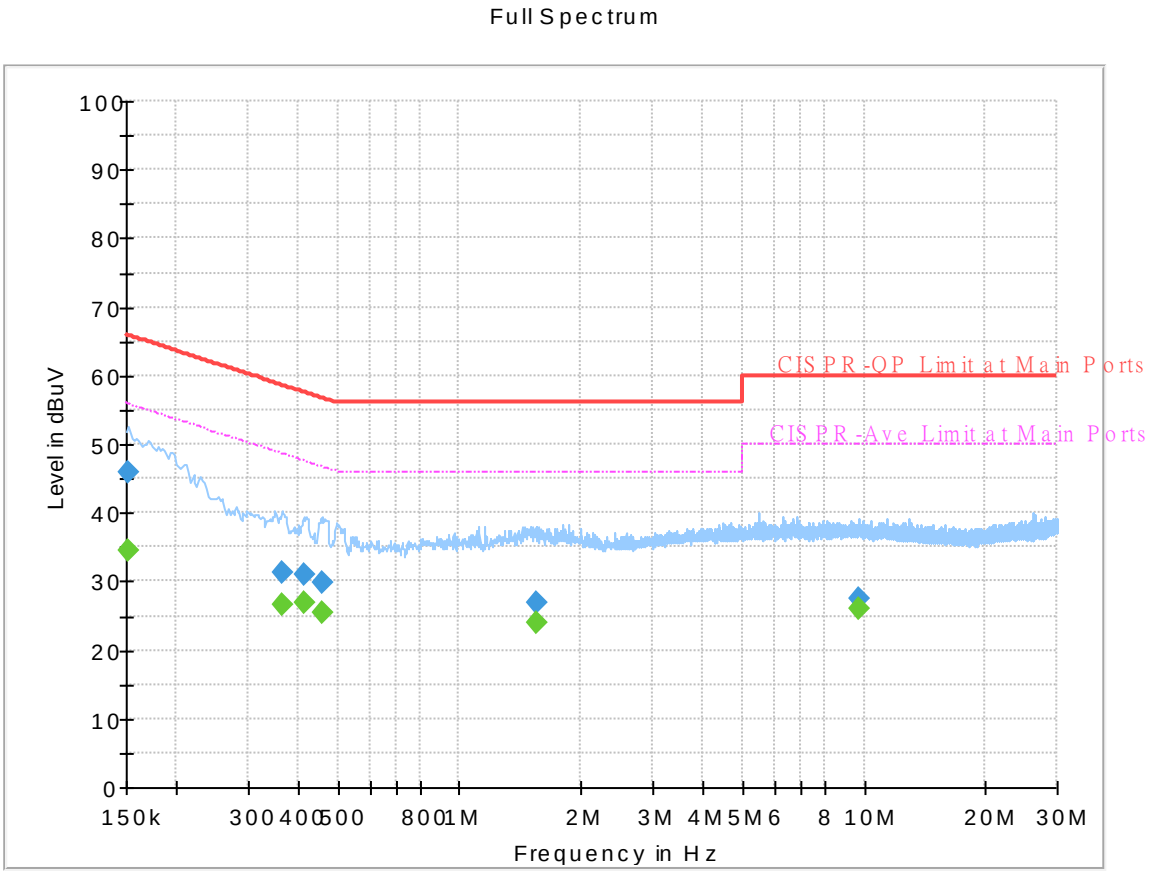
Band III straddle channel MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	144	5720	Full	0.18	0.18			10.84	11.00		-0.51			Pass
HE40	MCS0	2	144	5720	26/8	0.48	0.49			10.50	11.00		-0.51			Pass
HE40	MCS0	2	144	5720	52/40	0.64	0.64			10.71	11.00		-0.51			Pass
HE40	MCS0	2	144	5720	106/54	0.64	0.71			10.76	11.00		-0.51			Pass
HE40	MCS0	2	142	5710	Full	0.34	0.34			8.52	11.00		-0.51			Pass
HE80	MCS0	2	138	5690	Full	0.64	0.64			5.49	11.00		-0.51			Pass

Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	1O2843-06
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



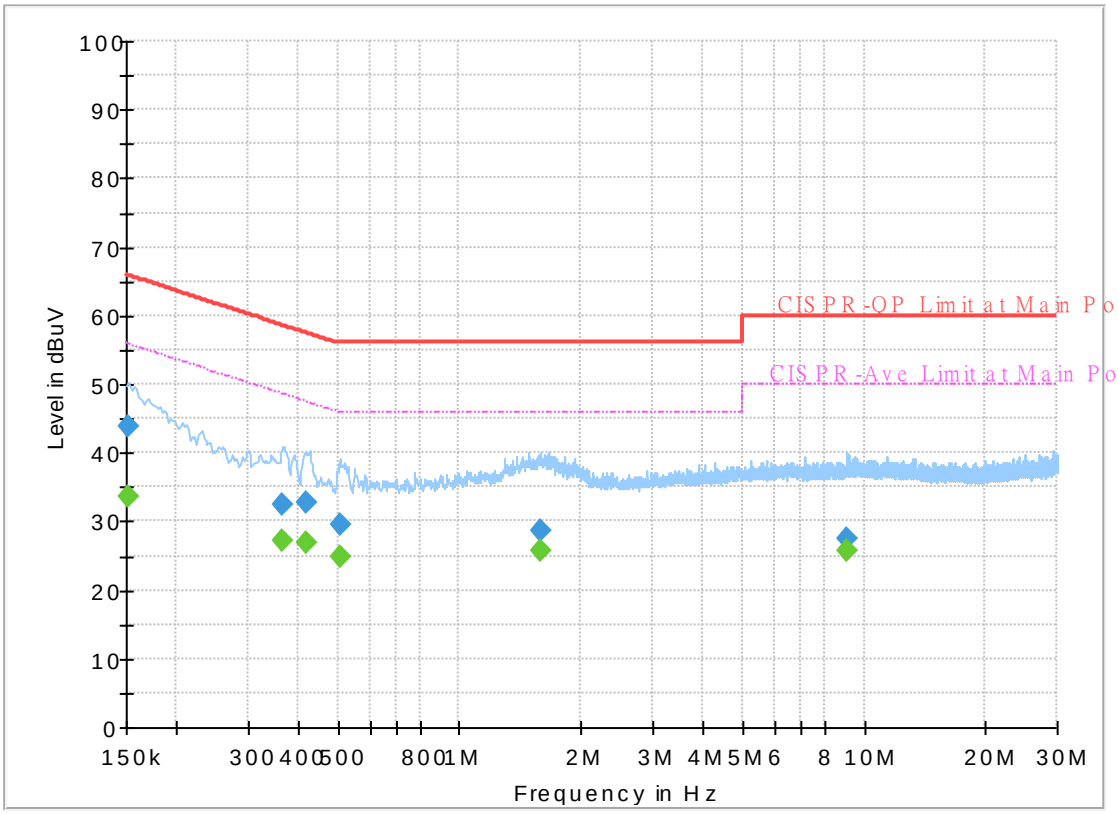
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	34.55	55.88	21.33	L1	OFF	19.6
0.152250	45.84	---	65.88	20.04	L1	OFF	19.6
0.363750	---	26.59	48.64	22.05	L1	OFF	19.6
0.363750	31.26	---	58.64	27.38	L1	OFF	19.6
0.413250	---	26.86	47.58	20.72	L1	OFF	19.6
0.413250	30.87	---	57.58	26.71	L1	OFF	19.6
0.456000	---	25.30	46.77	21.47	L1	OFF	19.6
0.456000	29.90	---	56.77	26.87	L1	OFF	19.6
1.542750	---	23.97	46.00	22.03	L1	OFF	19.7
1.542750	26.81	---	56.00	29.19	L1	OFF	19.7
9.732750	---	25.96	50.00	24.04	L1	OFF	20.1
9.732750	27.45	---	60.00	32.55	L1	OFF	20.1

EUT Information

Report NO :	1O2843-06
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	33.74	55.88	22.14	N	OFF	19.6
0.152250	43.77	---	65.88	22.11	N	OFF	19.6
0.366000	---	27.05	48.59	21.54	N	OFF	19.6
0.366000	32.40	---	58.59	26.19	N	OFF	19.6
0.420000	---	27.00	47.45	20.45	N	OFF	19.6
0.420000	32.81	---	57.45	24.64	N	OFF	19.6
0.505500	---	24.73	46.00	21.27	N	OFF	19.6
0.505500	29.50	---	56.00	26.50	N	OFF	19.6
1.592250	---	25.63	46.00	20.37	N	OFF	19.7
1.592250	28.78	---	56.00	27.22	N	OFF	19.7
9.071250	---	25.86	50.00	24.14	N	OFF	20.0
9.071250	27.36	---	60.00	32.64	N	OFF	20.0

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu	**Temperature :**	20~26.7°C
		Relative Humidity :	49~61.1%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5146.38	59.79	-14.21	74	49.13	34.1	11.84	35.28	100	62	P	H
		5150	51.89	-2.11	54	41.23	34.1	11.84	35.28	100	62	A	H
	*	5180	112.3	-	-	101.47	34.22	11.88	35.27	100	62	P	H
	*	5180	104.96	-	-	94.13	34.22	11.88	35.27	100	62	A	H
													H
		5146.9	56.75	-17.25	74	46.09	34.1	11.84	35.28	349	92	P	V
		5148.2	48.74	-5.26	54	38.08	34.1	11.84	35.28	349	92	A	V
	*	5180	109.52	-	-	98.69	34.22	11.88	35.27	349	92	P	V
	*	5180	102.33	-	-	91.5	34.22	11.88	35.27	349	92	A	V
													V
802.11a CH 44 5220MHz		5140.4	60.8	-13.2	74	50.16	34.1	11.83	35.29	100	61	P	H
		5138.58	44.96	-9.04	54	34.32	34.1	11.83	35.29	100	61	A	H
	*	5220	114.13	-	-	103.09	34.38	11.91	35.25	100	61	P	H
	*	5220	106.54	-	-	95.5	34.38	11.91	35.25	100	61	A	H
		5350.24	57.72	-16.28	74	46.32	34.6	11.98	35.18	100	61	P	H
		5368.72	42.92	-11.08	54	31.47	34.64	11.99	35.18	100	61	A	H
		5141.18	54.47	-19.53	74	43.83	34.1	11.83	35.29	326	91	P	V
		5117.78	42.46	-11.54	54	31.85	34.1	11.81	35.3	326	91	A	V
	*	5220	112.24	-	-	101.2	34.38	11.91	35.25	326	91	P	V
	*	5220	104.44	-	-	93.4	34.38	11.91	35.25	326	91	A	V
		5351.64	51.33	-22.67	74	39.93	34.6	11.98	35.18	326	91	P	V
		5354.44	41.33	-12.67	54	29.92	34.61	11.98	35.18	326	91	A	V

802.11a CH 48 5240MHz		5107.64	57.45	-16.55	74	46.86	34.1	11.79	35.3	100	62	P	H
		5145.34	44.38	-9.62	54	33.72	34.1	11.84	35.28	100	62	A	H
	*	5240	114.09	-	-	102.95	34.46	11.92	35.24	100	62	P	H
	*	5240	106.27	-	-	95.13	34.46	11.92	35.24	100	62	A	H
		5367.6	55.23	-18.77	74	43.78	34.64	11.99	35.18	100	62	P	H
		5352.48	43.08	-10.92	54	31.68	34.6	11.98	35.18	100	62	A	H
		5107.38	54.03	-19.97	74	43.44	34.1	11.79	35.3	359	90	P	V
		5121.94	42.52	-11.48	54	31.9	34.1	11.81	35.29	359	90	A	V
	*	5240	111.71	-	-	100.57	34.46	11.92	35.24	359	90	P	V
	*	5240	104.24	-	-	93.1	34.46	11.92	35.24	359	90	A	V
		5367.04	55.02	-18.98	74	43.58	34.63	11.99	35.18	359	90	P	V
		5412.68	41.17	-12.83	54	29.61	34.7	12.02	35.16	359	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 802.11a (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	47.51	-20.69	68.2	51.08	37.32	18.42	59.31	-	-	P	H
		13347	45.97	-28.03	74	44.04	39.11	21.04	58.22	-	-	P	H
		14499	46.14	-27.86	74	42.66	39.6	21.97	58.09	-	-	P	H
		15540	44.24	-29.76	74	38.68	40.2	22.59	57.23	-	-	P	H
		17824	50.16	-23.84	74	40.33	41.55	24.37	56.09	-	-	P	H
		17824	40.34	-13.66	54	30.51	41.55	24.37	56.09	-	-	A	H
													H
													H
													H
													H
													H
													H
		10360	51.55	-16.65	68.2	55.12	37.32	18.42	59.31	-	-	P	V
		13369	45.58	-28.42	74	43.68	39.06	21.06	58.22	-	-	P	V
		14499	46.24	-27.76	74	42.76	39.6	21.97	58.09	-	-	P	V
		15540	44.37	-29.63	74	38.81	40.2	22.59	57.23	-	-	P	V
		17956	50.14	-23.86	74	40.2	41.46	24.49	56.01	-	-	P	V
		17956	40.43	-13.57	54	30.49	41.46	24.49	56.01	-	-	A	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	49.86	-18.34	68.2	53.07	37.52	18.48	59.21	-	-	P	H
		13325	45.25	-28.75	74	43.29	39.15	21.02	58.21	-	-	P	H
		14491	46.46	-27.54	74	43.01	39.58	21.96	58.09	-	-	P	H
		15660	45.31	-28.69	74	39.44	40.32	22.67	57.12	-	-	P	H
		17747	50.36	-23.64	74	40.63	41.55	24.31	56.13	-	-	P	H
		17747	40.26	-13.74	54	30.53	41.55	24.31	56.13	-	-	A	H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	56.68	-11.52	68.2	59.89	37.52	18.48	59.21	-	-	P	V
		13380	45.74	-28.26	74	43.86	39.04	21.07	58.23	-	-	P	V
		14491	46.71	-27.29	74	43.26	39.58	21.96	58.09	-	-	P	V
		15660	48.43	-25.57	74	42.56	40.32	22.67	57.12	-	-	P	V
		15660	37.41	-16.59	54	31.54	40.32	22.67	57.12	-	-	A	V
		17758	49.59	-24.41	74	39.84	41.56	24.32	56.13	-	-	P	V
		17758	40.38	-13.62	54	30.63	41.56	24.32	56.13	-	-	A	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	50.68	-17.52	68.2	53.69	37.64	18.51	59.16	-	-	P	H
		13347	45.52	-28.48	74	43.59	39.11	21.04	58.22	-	-	P	H
		14491	46.08	-27.92	74	42.63	39.58	21.96	58.09	-	-	P	H
		15720	45.23	-28.77	74	39.14	40.46	22.7	57.07	-	-	P	H
		17736	49.71	-24.29	74	40	41.54	24.31	56.14	-	-	P	H
		17736	40.19	-13.81	54	30.48	41.54	24.31	56.14	-	-	A	H
													H
													H
													H
													H
													H
802.11a CH 48 5240MHz													H
		10480	54.92	-13.28	68.2	57.93	37.64	18.51	59.16	-	-	P	V
		13347	45.39	-28.61	74	43.46	39.11	21.04	58.22	-	-	P	V
		14491	46.59	-27.41	74	43.14	39.58	21.96	58.09	-	-	P	V
		15720	46.12	-27.88	74	40.03	40.46	22.7	57.07	-	-	P	V
		17879	50.33	-23.67	74	40.52	41.44	24.42	56.05	-	-	P	V
		17879	40.77	-13.23	54	30.96	41.44	24.42	56.05	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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)
		5146.38	62.62	-11.38	74	51.96	34.1	11.84	35.28	100	60	P	H
		5150	51.51	-2.49	54	40.85	34.1	11.84	35.28	100	60	A	H
	*	5180	110.76	-	-	99.93	34.22	11.88	35.27	100	60	P	H
	*	5180	101.48	-	-	90.65	34.22	11.88	35.27	100	60	A	H
802.11ax													H
HE20 Full													H
CH 36		5150	55.57	-18.43	74	44.91	34.1	11.84	35.28	330	90	P	V
5180MHz		5150	47.69	-6.31	54	37.03	34.1	11.84	35.28	330	90	A	V
	*	5180	109.11	-	-	98.28	34.22	11.88	35.27	330	90	P	V
	*	5180	98.49	-	-	87.66	34.22	11.88	35.27	330	90	A	V
													V
													V
		5148.2	60.87	-13.13	74	50.21	34.1	11.84	35.28	100	61	P	H
		5150	45.87	-8.13	54	35.21	34.1	11.84	35.28	100	61	A	H
	*	5220	116.14	-	-	105.1	34.38	11.91	35.25	100	61	P	H
	*	5220	105.64	-	-	94.6	34.38	11.91	35.25	100	61	A	H
802.11ax		5357.8	54.85	-19.15	74	43.42	34.62	11.99	35.18	100	61	P	H
HE20 Full		5352.48	42.5	-11.5	54	31.1	34.6	11.98	35.18	100	61	A	H
CH 44		5147.68	54.92	-19.08	74	44.26	34.1	11.84	35.28	326	91	P	V
5220MHz		5150	42.64	-11.36	54	31.98	34.1	11.84	35.28	326	91	A	V
	*	5220	111.24	-	-	100.2	34.38	11.91	35.25	326	91	P	V
	*	5220	102.94	-	-	91.9	34.38	11.91	35.25	326	91	A	V
		5353.6	52.46	-21.54	74	41.05	34.61	11.98	35.18	326	91	P	V
		5382.16	41.02	-12.98	54	29.53	34.66	12	35.17	326	91	A	V

		5148.98	58.36	-15.64	74	47.7	34.1	11.84	35.28	100	62	P	H
		5147.68	44.02	-9.98	54	33.36	34.1	11.84	35.28	100	62	A	H
	*	5240	114.94	-	-	103.8	34.46	11.92	35.24	100	62	P	H
	*	5240	105.33	-	-	94.19	34.46	11.92	35.24	100	62	A	H
802.11ax		5367.32	57.97	-16.03	74	46.53	34.63	11.99	35.18	100	62	P	H
HE20 Full		5363.4	42.87	-11.13	54	31.43	34.63	11.99	35.18	100	62	A	H
CH 48		5110.24	54.58	-19.42	74	43.98	34.1	11.8	35.3	359	90	P	V
5240MHz		5132.86	42.56	-11.44	54	31.93	34.1	11.82	35.29	359	90	A	V
	*	5240	110.96	-	-	99.82	34.46	11.92	35.24	359	90	P	V
	*	5240	102.36	-	-	91.22	34.46	11.92	35.24	359	90	A	V
		5368.16	53.43	-20.57	74	41.98	34.64	11.99	35.18	359	90	P	V
		5360.04	41.12	-12.88	54	29.69	34.62	11.99	35.18	359	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	46.84	-21.36	68.2	50.41	37.32	18.42	59.31	-	-	P	H
		13369	46.12	-27.88	74	44.22	39.06	21.06	58.22	-	-	P	H
		14491	46.64	-27.36	74	43.19	39.58	21.96	58.09	-	-	P	H
		15540	44.79	-29.21	74	39.23	40.2	22.59	57.23	-	-	P	H
		17725	49.96	-24.04	74	40.28	41.53	24.3	56.15	-	-	P	H
		17725	40.33	-13.67	54	30.65	41.53	24.3	56.15	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	50.13	-18.07	68.2	53.7	37.32	18.42	59.31	-	-	P	V
5180MHz		13380	46.55	-27.45	74	44.67	39.04	21.07	58.23	-	-	P	V
		14502	46.65	-21.55	68.2	43.16	39.6	21.98	58.09	-	-	P	V
		15540	43.81	-30.19	74	38.25	40.2	22.59	57.23	-	-	P	V
		17835	50.08	-23.92	74	40.25	41.53	24.38	56.08	-	-	P	V
		17835	40.53	-13.47	54	30.7	41.53	24.38	56.08	-	-	A	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	49.73	-18.47	68.2	52.94	37.52	18.48	59.21	-	-	P	H
		13259	45.82	-28.18	74	43.97	39.08	20.96	58.19	-	-	P	H
		14491	47.55	-26.45	74	44.1	39.58	21.96	58.09	-	-	P	H
		15660	44.77	-29.23	74	38.9	40.32	22.67	57.12	-	-	P	H
		17780	49.53	-24.47	74	39.72	41.58	24.34	56.11	-	-	P	H
		17780	40.52	-13.48	54	30.71	41.58	24.34	56.11	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	52.91	-15.29	68.2	56.12	37.52	18.48	59.21	-	-	P	V
5220MHz		13369	46.22	-27.78	74	44.32	39.06	21.06	58.22	-	-	P	V
		14502	46.74	-21.46	68.2	43.25	39.6	21.98	58.09	-	-	P	V
		15660	48.66	-25.34	74	42.79	40.32	22.67	57.12	-	-	P	V
		15660	38.06	-15.94	54	32.19	40.32	22.67	57.12	-	-	A	V
		17846	50.26	-23.74	74	40.43	41.51	24.39	56.07	-	-	P	V
		17846	40.71	-13.29	54	30.88	41.51	24.39	56.07	-	-	A	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	50.5	-17.7	68.2	53.51	37.64	18.51	59.16	-	-	P	H
		13380	45.75	-28.25	74	43.87	39.04	21.07	58.23	-	-	P	H
		14491	46.27	-27.73	74	42.82	39.58	21.96	58.09	-	-	P	H
		15720	46.33	-27.67	74	40.24	40.46	22.7	57.07	-	-	P	H
		17725	50.2	-23.8	74	40.52	41.53	24.3	56.15	-	-	P	H
		17725	40.39	-13.61	54	30.71	41.53	24.3	56.15	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	53.28	-14.92	68.2	56.29	37.64	18.51	59.16	-	-	P	V
5240MHz		13402	46.18	-22.02	68.2	44.32	39	21.09	58.23	-	-	P	V
		14480	47.14	-26.86	74	43.71	39.56	21.96	58.09	-	-	P	V
		15720	48.65	-25.35	74	42.56	40.46	22.7	57.07	-	-	P	V
		15720	37.34	-16.66	54	31.25	40.46	22.7	57.07	-	-	A	V
		17802	50.08	-23.92	74	40.22	41.6	24.36	56.1	-	-	P	V
		17802	40.68	-13.32	54	30.82	41.6	24.36	56.1	-	-	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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)
		5142.74	62.04	-11.96	74	51.4	34.1	11.83	35.29	100	60	P	H
		5146.38	50.41	-3.59	54	39.75	34.1	11.84	35.28	100	60	A	H
	*	5190	106.78	-	-	95.9	34.26	11.89	35.27	100	60	P	H
	*	5190	96.98	-	-	86.1	34.26	11.89	35.27	100	60	A	H
802.11ax		5357.24	50.09	-23.91	74	38.67	34.61	11.99	35.18	100	60	P	H
HE40 Full		5370.96	41.37	-12.63	54	29.92	34.64	11.99	35.18	100	60	A	H
CH 38		5146.64	57.26	-16.74	74	46.6	34.1	11.84	35.28	351	93	P	V
5190MHz		5150	46.36	-7.64	54	35.7	34.1	11.84	35.28	351	93	A	V
	*	5190	103.44	-	-	92.56	34.26	11.89	35.27	351	93	P	V
	*	5190	93.78	-	-	82.9	34.26	11.89	35.27	351	93	A	V
		5411	49.15	-24.85	74	37.59	34.7	12.02	35.16	351	93	P	V
		5422.76	40.31	-13.69	54	28.73	34.7	12.04	35.16	351	93	A	V
		5150	61.69	-12.31	74	51.03	34.1	11.84	35.28	107	61	P	H
		5150	51.75	-2.25	54	41.09	34.1	11.84	35.28	107	61	A	H
	*	5230	110.79	-	-	99.69	34.42	11.92	35.24	107	61	P	H
	*	5230	101.8	-	-	90.7	34.42	11.92	35.24	107	61	A	H
802.11ax		5393.36	52.71	-21.29	74	41.18	34.69	12.01	35.17	107	61	P	H
HE40 Full		5350.8	43.43	-10.57	54	32.03	34.6	11.98	35.18	107	61	A	H
CH 46		5146.9	58.09	-15.91	74	47.43	34.1	11.84	35.28	306	94	P	V
5230MHz		5150	48.62	-5.38	54	37.96	34.1	11.84	35.28	306	94	A	V
	*	5230	108.38	-	-	97.28	34.42	11.92	35.24	306	94	P	V
	*	5230	99.2	-	-	88.1	34.42	11.92	35.24	306	94	A	V
		5353.6	50.79	-23.21	74	39.38	34.61	11.98	35.18	306	94	P	V
		5350.24	41.91	-12.09	54	30.51	34.6	11.98	35.18	306	94	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	43.08	-25.12	68.2	46.56	37.36	18.44	59.28	-	-	P	H
		13358	46.62	-27.38	74	44.71	39.08	21.05	58.22	-	-	P	H
		14491	46.96	-27.04	74	43.51	39.58	21.96	58.09	-	-	P	H
		15570	44.07	-29.93	74	38.45	40.2	22.62	57.2	-	-	P	H
		17978	50.1	-23.9	74	40.11	41.48	24.5	55.99	-	-	P	H
		17978	40.61	-13.39	54	30.62	41.48	24.5	55.99	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	46.61	-21.59	68.2	50.09	37.36	18.44	59.28	-	-	P	V
5190MHz		13391	46.17	-27.83	74	44.3	39.02	21.08	58.23	-	-	P	V
		14480	46.39	-27.61	74	42.96	39.56	21.96	58.09	-	-	P	V
		15570	44.35	-29.65	74	38.73	40.2	22.62	57.2	-	-	P	V
		17890	50.79	-23.21	74	41	41.42	24.42	56.05	-	-	P	V
		17890	40.66	-13.34	54	30.87	41.42	24.42	56.05	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	46.11	-22.09	68.2	49.22	37.58	18.5	59.19	-	-	P	H
		13347	45.49	-28.51	74	43.56	39.11	21.04	58.22	-	-	P	H
		14491	46.51	-27.49	74	43.06	39.58	21.96	58.09	-	-	P	H
		15690	44.92	-29.08	74	38.95	40.38	22.69	57.1	-	-	P	H
		17725	50.34	-23.66	74	40.66	41.53	24.3	56.15	-	-	P	H
		17725	40.51	-13.49	54	30.83	41.53	24.3	56.15	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	50.01	-18.19	68.2	53.12	37.58	18.5	59.19	-	-	P	V
5230MHz		13369	46.15	-27.85	74	44.25	39.06	21.06	58.22	-	-	P	V
		14499	46.89	-27.11	74	43.41	39.6	21.97	58.09	-	-	P	V
		15690	45.66	-28.34	74	39.69	40.38	22.69	57.1	-	-	P	V
		17758	50.98	-23.02	74	41.23	41.56	24.32	56.13	-	-	P	V
		17758	40.66	-13.34	54	30.91	41.56	24.32	56.13	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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		5148.46	60.41	-13.59	74	49.75	34.1	11.84	35.28	100	63	P	H
		5148.98	49.98	-4.02	54	39.32	34.1	11.84	35.28	100	63	A	H
	*	5210	103.51	-	-	92.51	34.34	11.91	35.25	100	63	P	H
	*	5210	94.59	-	-	83.59	34.34	11.91	35.25	100	63	A	H
		5364.24	50.73	-23.27	74	39.29	34.63	11.99	35.18	100	63	P	H
		5386.36	42.71	-11.29	54	31.21	34.67	12	35.17	100	63	A	H
		5148.98	59.49	-14.51	74	48.83	34.1	11.84	35.28	299	80	P	V
		5147.42	47.8	-6.2	54	37.14	34.1	11.84	35.28	299	80	A	V
	*	5210	98.71	-	-	87.71	34.34	11.91	35.25	299	80	P	V
	*	5210	90.45	-	-	79.45	34.34	11.91	35.25	299	80	A	V
		5391.96	48.86	-25.14	74	37.34	34.68	12.01	35.17	299	80	P	V
		5371.24	41.28	-12.72	54	29.83	34.64	11.99	35.18	299	80	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	43.71	-24.49	68.2	47.02	37.46	18.47	59.24	-	-	P	H
		13380	45.69	-28.31	74	43.81	39.04	21.07	58.23	-	-	P	H
		14480	46.22	-27.78	74	42.79	39.56	21.96	58.09	-	-	P	H
		15630	44.85	-29.15	74	39.09	40.26	22.65	57.15	-	-	P	H
		17736	50.12	-23.88	74	40.41	41.54	24.31	56.14	-	-	P	H
		17736	40.41	-13.59	54	30.7	41.54	24.31	56.14	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	45.19	-23.01	68.2	48.5	37.46	18.47	59.24	-	-	P	V
5210MHz		13358	46.05	-27.95	74	44.14	39.08	21.05	58.22	-	-	P	V
		14499	46.97	-27.03	74	43.49	39.6	21.97	58.09	-	-	P	V
		15630	45.26	-28.74	74	39.5	40.26	22.65	57.15	-	-	P	V
		17725	50.07	-23.93	74	40.39	41.53	24.3	56.15	-	-	P	V
		17725	40.57	-13.43	54	30.89	41.53	24.3	56.15	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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		5132.65	58.49	-15.51	74	47.86	34.1	11.82	35.29	100	61	P	H
		5140	44.06	-9.94	54	33.42	34.1	11.83	35.29	100	61	A	H
	*	5260	113.34	-	-	102.12	34.52	11.93	35.23	100	61	P	H
	*	5260	105.52	-	-	94.3	34.52	11.93	35.23	100	61	A	H
		5389.2	57.67	-16.33	74	46.16	34.68	12	35.17	100	61	P	H
		5362.56	42.92	-11.08	54	31.48	34.63	11.99	35.18	100	61	A	H
		5098	51.53	-22.47	74	40.95	34.1	11.78	35.3	341	91	P	V
		5148.05	42.39	-11.61	54	31.73	34.1	11.84	35.28	341	91	A	V
	*	5260	111.69	-	-	100.47	34.52	11.93	35.23	341	91	P	V
	*	5260	103.92	-	-	92.7	34.52	11.93	35.23	341	91	A	V
		5381.04	52.91	-21.09	74	41.42	34.66	12	35.17	341	91	P	V
		5431.2	41.12	-12.88	54	29.51	34.7	12.05	35.14	341	91	A	V
802.11a CH 60 5300MHz		5129.15	51.88	-22.12	74	41.25	34.1	11.82	35.29	100	61	P	H
		5147.7	43.79	-10.21	54	33.13	34.1	11.84	35.28	100	61	A	H
	*	5300	113.45	-	-	102.1	34.6	11.95	35.2	100	61	P	H
	*	5300	106.15	-	-	94.8	34.6	11.95	35.2	100	61	A	H
		5366	56.48	-17.52	74	45.04	34.63	11.99	35.18	100	61	P	H
		5350	45.51	-8.49	54	34.11	34.6	11.98	35.18	100	61	A	H
		5030.45	49.86	-24.14	74	39.45	34.04	11.71	35.34	336	100	P	V
		5126.35	41.97	-12.03	54	31.34	34.1	11.82	35.29	336	100	A	V
	*	5300	110.96	-	-	99.61	34.6	11.95	35.2	336	100	P	V
	*	5300	103.31	-	-	91.96	34.6	11.95	35.2	336	100	A	V
		5352.25	57.45	-16.55	74	46.05	34.6	11.98	35.18	336	100	P	V
		5352	42.27	-11.73	54	30.87	34.6	11.98	35.18	336	100	A	V

802.11a CH 64 5320MHz	*	5320	111.76	-	-	100.39	34.6	11.97	35.2	100	64	P	H
	*	5320	103.89	-	-	92.52	34.6	11.97	35.2	100	64	A	H
		5356.8	61.75	-12.25	74	50.33	34.61	11.99	35.18	100	64	P	H
		5350.88	51.14	-2.86	54	39.74	34.6	11.98	35.18	100	64	A	H
													H
													H
	*	5320	108.39	-	-	97.02	34.6	11.97	35.2	334	100	P	V
	*	5320	101.32	-	-	89.95	34.6	11.97	35.2	334	100	A	V
		5351.04	57.13	-16.87	74	45.73	34.6	11.98	35.18	334	100	P	V
		5351.36	46.57	-7.43	54	35.17	34.6	11.98	35.18	334	100	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	49.1	-19.1	68.2	52	37.66	18.56	59.12	-	-	P	H
		13391	45.6	-28.4	74	43.73	39.02	21.08	58.23	-	-	P	H
		14491	47	-27	74	43.55	39.58	21.96	58.09	-	-	P	H
		15780	46.32	-27.68	74	39.97	40.64	22.73	57.02	-	-	P	H
		17857	50.21	-23.79	74	40.39	41.49	24.4	56.07	-	-	P	H
		17857	40.92	-13.08	54	31.1	41.49	24.4	56.07	-	-	A	H
													H
													H
													H
													H
													H
													H
		10520	52.76	-15.44	68.2	55.66	37.66	18.56	59.12	-	-	P	V
		13314	45.65	-28.35	74	43.68	39.17	21.01	58.21	-	-	P	V
		14491	46.74	-27.26	74	43.29	39.58	21.96	58.09	-	-	P	V
		15780	46.8	-27.2	74	40.45	40.64	22.73	57.02	-	-	P	V
		17758	49.94	-24.06	74	40.19	41.56	24.32	56.13	-	-	P	V
		17758	39.75	-14.25	54	30	41.56	24.32	56.13	-	-	A	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	51.32	-22.68	74	54.22	37.5	18.62	59.02	100	72	P	H
		10600	42.29	-11.71	54	45.19	37.5	18.62	59.02	100	72	A	H
		13369	45.76	-28.24	74	43.86	39.06	21.06	58.22	-	-	P	H
		14491	47.12	-26.88	74	43.67	39.58	21.96	58.09	-	-	P	H
		15900	47.37	-26.63	74	40.58	40.9	22.81	56.92	-	-	P	H
		17769	51.17	-22.83	74	41.39	41.57	24.33	56.12	-	-	P	H
		17769	40.93	-13.07	54	31.15	41.57	24.33	56.12	-	-	A	H
													H
													H
													H
													H
													H
i802.11a CH 60 5300MHz		10600	58.1	-15.9	74	61	37.5	18.62	59.02	100	118	P	V
		10600	47.69	-6.31	54	50.59	37.5	18.62	59.02	100	118	A	V
		13251	46.08	-27.92	74	44.27	39.05	20.95	58.19	-	-	P	V
		14480	46.88	-27.12	74	43.45	39.56	21.96	58.09	-	-	P	V
		15900	49.09	-24.91	74	42.3	40.9	22.81	56.92	-	-	P	V
		15900	39.34	-14.66	54	32.55	40.9	22.81	56.92	-	-	A	V
		18000	50.37	-23.63	74	40.33	41.5	24.52	55.98	-	-	P	V
		18000	41.01	-12.99	54	30.97	41.5	24.52	55.98	-	-	A	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	47.94	-26.06	74	50.77	37.5	18.65	58.98	-	-	P	H
		13347	46.05	-27.95	74	44.12	39.11	21.04	58.22	-	-	P	H
		14499	47.38	-26.62	74	43.9	39.6	21.97	58.09	-	-	P	H
		15960	45.52	-28.48	74	38.57	40.96	22.85	56.86	-	-	P	H
		17802	50.74	-23.26	74	40.88	41.6	24.36	56.1	-	-	P	H
		17802	40.73	-13.27	54	30.87	41.6	24.36	56.1	-	-	A	H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz													H
		10640	53.87	-20.13	74	56.7	37.5	18.65	58.98	100	116	P	V
		10640	46.07	-7.93	54	48.9	37.5	18.65	58.98	100	116	A	V
		13402	45.68	-22.52	68.2	43.82	39	21.09	58.23	-	-	P	V
		14499	46.49	-27.51	74	43.01	39.6	21.97	58.09	-	-	P	V
		15960	45.75	-28.25	74	38.8	40.96	22.85	56.86	-	-	P	V
		17813	50.02	-23.98	74	40.17	41.57	24.37	56.09	-	-	P	V
		17813	40.52	-13.48	54	30.67	41.57	24.37	56.09	-	-	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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)
		5120.4	53.21	-20.79	74	42.59	34.1	11.81	35.29	100	62	P	H
		5137.55	44.29	-9.71	54	33.65	34.1	11.83	35.29	100	62	A	H
	*	5260	115.47	-	-	104.25	34.52	11.93	35.23	100	62	P	H
	*	5260	105.65	-	-	94.43	34.52	11.93	35.23	100	62	A	H
802.11ax		5375.5	51.08	-22.92	74	39.6	34.65	12	35.17	100	62	P	H
HE20 Full		5350.25	43.06	-10.94	54	31.66	34.6	11.98	35.18	100	62	A	H
CH 52		5134.4	50.89	-23.11	74	40.26	34.1	11.82	35.29	340	100	P	V
5260MHz		5115.85	42.35	-11.65	54	31.75	34.1	11.8	35.3	340	100	A	V
	*	5260	111.62	-	-	100.4	34.52	11.93	35.23	340	100	P	V
	*	5260	102.57	-	-	91.35	34.52	11.93	35.23	340	100	A	V
		5437.75	49.63	-24.37	74	38.02	34.7	12.05	35.14	340	100	P	V
		5355.75	41.19	-12.81	54	29.77	34.61	11.99	35.18	340	100	A	V
		5149.45	51.54	-22.46	74	40.88	34.1	11.84	35.28	101	62	P	H
		5145.6	43.7	-10.3	54	33.04	34.1	11.84	35.28	101	62	A	H
	*	5300	115.25	-	-	103.9	34.6	11.95	35.2	101	62	P	H
	*	5300	105.57	-	-	94.22	34.6	11.95	35.2	101	62	A	H
802.11ax		5350	58.8	-15.2	74	47.4	34.6	11.98	35.18	101	62	P	H
HE20 Full		5350	49.08	-4.92	54	37.68	34.6	11.98	35.18	101	62	A	H
CH 60		5132.3	50.54	-23.46	74	39.91	34.1	11.82	35.29	337	101	P	V
5300MHz		5141.05	41.91	-12.09	54	31.27	34.1	11.83	35.29	337	101	A	V
	*	5300	111	-	-	99.65	34.6	11.95	35.2	337	101	P	V
	*	5300	102.24	-	-	90.89	34.6	11.95	35.2	337	101	A	V
		5352.25	55.66	-18.34	74	44.26	34.6	11.98	35.18	337	101	P	V
		5351	45.03	-8.97	54	33.63	34.6	11.98	35.18	337	101	A	V

	*	5320	111.56	-	-	100.19	34.6	11.97	35.2	108	61	P	H
	*	5320	102	-	-	90.63	34.6	11.97	35.2	108	61	A	H
		5350.4	58.16	-15.84	74	46.76	34.6	11.98	35.18	108	61	P	H
		5350.08	50.98	-3.02	54	39.58	34.6	11.98	35.18	108	61	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	107.74	-	-	96.37	34.6	11.97	35.2	354	91	P	V
5320MHz	*	5320	98.88	-	-	87.51	34.6	11.97	35.2	354	91	A	V
		5350.4	58.21	-15.79	74	46.81	34.6	11.98	35.18	354	91	P	V
		5350.08	48.06	-5.94	54	36.66	34.6	11.98	35.18	354	91	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	48.55	-19.65	68.2	51.45	37.66	18.56	59.12	-	-	P	H
		13336	45.85	-28.15	74	43.9	39.13	21.03	58.21	-	-	P	H
		14499	47.15	-26.85	74	43.67	39.6	21.97	58.09	-	-	P	H
		15780	46.32	-27.68	74	39.97	40.64	22.73	57.02	-	-	P	H
		17857	50.03	-23.97	74	40.21	41.49	24.4	56.07	-	-	P	H
		17857	40.58	-13.42	54	30.76	41.49	24.4	56.07	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	51.73	-16.47	68.2	54.63	37.66	18.56	59.12	-	-	P	V
5260MHz		13380	46.38	-27.62	74	44.5	39.04	21.07	58.23	-	-	P	V
		14499	46.72	-27.28	74	43.24	39.6	21.97	58.09	-	-	P	V
		15780	47.28	-26.72	74	40.93	40.64	22.73	57.02	-	-	P	V
		17945	50.3	-23.7	74	40.39	41.44	24.48	56.01	-	-	P	V
		17945	40.88	-13.12	54	30.97	41.44	24.48	56.01	-	-	A	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	50.24	-23.76	74	53.14	37.5	18.62	59.02	100	72	P	H
		10600	42.19	-11.81	54	45.09	37.5	18.62	59.02	100	72	A	H
		13391	44.41	-29.59	74	42.54	39.02	21.08	58.23	-	-	P	H
		14499	45.5	-28.5	74	42.02	39.6	21.97	58.09	-	-	P	H
		15900	47.46	-26.54	74	40.67	40.9	22.81	56.92	-	-	P	H
		17857	49.8	-24.2	74	39.98	41.49	24.4	56.07	-	-	P	H
		17857	40.28	-13.72	54	30.46	41.49	24.4	56.07	-	-	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	55.79	-18.21	74	58.69	37.5	18.62	59.02	100	116	P	V
5300MHz		10600	46.29	-7.71	54	49.19	37.5	18.62	59.02	100	116	A	V
		13292	45.19	-28.81	74	43.22	39.18	20.99	58.2	-	-	P	V
		14499	45.64	-28.36	74	42.16	39.6	21.97	58.09	-	-	P	V
		15900	49.64	-24.36	74	42.85	40.9	22.81	56.92	-	-	P	V
		15900	39.73	-14.27	54	32.94	40.9	22.81	56.92	-	-	A	V
		17989	48.5	-25.5	74	38.49	41.49	24.51	55.99	-	-	P	V
		17989	40.26	-13.74	54	30.25	41.49	24.51	55.99	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	45.36	-28.64	74	48.94	37.5	17.9	58.98	-	-	P	H
		13391	43.58	-30.42	74	42.51	39.02	20.28	58.23	-	-	P	H
		14499	45.19	-28.81	74	42.53	39.6	21.15	58.09	-	-	P	H
		15960	42.47	-31.53	74	36.45	40.96	21.92	56.86	-	-	P	H
		17912	49.74	-24.26	74	40.84	41.41	23.52	56.03	-	-	P	H
		17912	39.51	-14.49	54	30.61	41.41	23.52	56.03	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	51.9	-22.1	74	55.48	37.5	17.9	58.98	100	116	P	V
5320MHz		10640	42.45	-11.55	54	46.03	37.5	17.9	58.98	100	116	A	V
		13358	44.27	-29.73	74	43.16	39.08	20.25	58.22	-	-	P	V
		14499	46.78	-27.22	74	44.12	39.6	21.15	58.09	-	-	P	V
		15960	44.1	-29.9	74	38.08	40.96	21.92	56.86	-	-	P	V
		17912	49.74	-24.26	74	40.84	41.41	23.52	56.03	-	-	P	V
		17912	39.34	-14.66	54	30.44	41.41	23.52	56.03	-	-	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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)
		5138.95	53.18	-20.82	74	42.54	34.1	11.83	35.29	100	60	P	H
		5149.45	45.53	-8.47	54	34.87	34.1	11.84	35.28	100	60	A	H
	*	5270	112.4	-	-	101.15	34.54	11.94	35.23	100	60	P	H
	*	5270	103.4	-	-	92.15	34.54	11.94	35.23	100	60	A	H
802.11ax		5354	59.3	-14.7	74	47.89	34.61	11.98	35.18	100	60	P	H
HE40 Full		5350.25	51.11	-2.89	54	39.71	34.6	11.98	35.18	100	60	A	H
CH 54		5122.15	52.22	-21.78	74	41.6	34.1	11.81	35.29	342	90	P	V
5270MHz		5149.1	43.11	-10.89	54	32.45	34.1	11.84	35.28	342	90	A	V
	*	5270	109.37	-	-	98.12	34.54	11.94	35.23	342	90	P	V
	*	5270	100.12	-	-	88.87	34.54	11.94	35.23	342	90	A	V
		5352	55.99	-18.01	74	44.59	34.6	11.98	35.18	342	90	P	V
		5351.5	47.98	-6.02	54	36.58	34.6	11.98	35.18	342	90	A	V
		5121.1	50.77	-23.23	74	40.15	34.1	11.81	35.29	100	65	P	H
		5138.95	42.53	-11.47	54	31.89	34.1	11.83	35.29	100	65	A	H
	*	5310	105.8	-	-	94.44	34.6	11.96	35.2	100	65	P	H
	*	5310	97.69	-	-	86.33	34.6	11.96	35.2	100	65	A	H
802.11ax		5350.5	62.48	-11.52	74	51.08	34.6	11.98	35.18	100	65	P	H
HE40 Full		5350.25	52.5	-1.5	54	41.1	34.6	11.98	35.18	100	65	A	H
CH 62		5104.3	49.45	-24.55	74	38.86	34.1	11.79	35.3	336	100	P	V
5310MHz		5132.65	41.5	-12.5	54	30.87	34.1	11.82	35.29	336	100	A	V
	*	5310	102.68	-	-	91.32	34.6	11.96	35.2	336	100	P	V
	*	5310	95.08	-	-	83.72	34.6	11.96	35.2	336	100	A	V
		5354.5	53.52	-20.48	74	42.11	34.61	11.98	35.18	336	100	P	V
		5350.75	47.87	-6.13	54	36.47	34.6	11.98	35.18	336	100	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	46.68	-21.52	68.2	49.58	37.62	18.57	59.09	-	-	P	H
		13380	45.46	-28.54	74	43.58	39.04	21.07	58.23	-	-	P	H
		14499	46.78	-27.22	74	43.3	39.6	21.97	58.09	-	-	P	H
		15810	46.74	-27.26	74	40.25	40.72	22.76	56.99	-	-	P	H
		17714	50.3	-23.7	74	40.65	41.51	24.29	56.15	-	-	P	H
		17714	40.41	-13.59	54	30.76	41.51	24.29	56.15	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10542	50.95	-17.25	68.2	53.85	37.62	18.57	59.09	-	-	P	V
5270MHz		13369	45.93	-28.07	74	44.03	39.06	21.06	58.22	-	-	P	V
		14499	47.73	-26.27	74	44.25	39.6	21.97	58.09	-	-	P	V
		15810	46.84	-27.16	74	40.35	40.72	22.76	56.99	-	-	P	V
		17736	49.98	-24.02	74	40.27	41.54	24.31	56.14	-	-	P	V
		17736	40.42	-13.58	54	30.71	41.54	24.31	56.14	-	-	A	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	43.88	-30.12	74	46.75	37.5	18.63	59	-	-	P	H
		13369	45.36	-28.64	74	43.46	39.06	21.06	58.22	-	-	P	H
		14499	47.07	-26.93	74	43.59	39.6	21.97	58.09	-	-	P	H
		15930	46.33	-27.67	74	39.45	40.93	22.84	56.89	-	-	P	H
		17857	50.12	-23.88	74	40.3	41.49	24.4	56.07	-	-	P	H
		17857	40.64	-13.36	54	30.82	41.49	24.4	56.07	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	45.87	-28.13	74	48.74	37.5	18.63	59	-	-	P	V
5310MHz		13347	46.25	-27.75	74	44.32	39.11	21.04	58.22	-	-	P	V
		14499	47.48	-26.52	74	44	39.6	21.97	58.09	-	-	P	V
		15930	46	-28	74	39.12	40.93	22.84	56.89	-	-	P	V
		17802	50.16	-23.84	74	40.3	41.6	24.36	56.1	-	-	P	V
		17802	40.64	-13.36	54	30.78	41.6	24.36	56.1	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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		5096.6	50.53	-23.47	74	39.96	34.09	11.78	35.3	100	64	P	H
		5143.15	43.72	-10.28	54	33.08	34.1	11.83	35.29	100	64	A	H
	*	5290	101.91	-	-	90.6	34.58	11.95	35.22	100	64	P	H
	*	5290	94.29	-	-	82.98	34.58	11.95	35.22	100	64	A	H
		5352.96	60.26	-13.74	74	48.85	34.61	11.98	35.18	100	64	P	H
		5354.64	52.46	-1.54	54	41.04	34.61	11.99	35.18	100	64	A	H
		5033.25	51.57	-22.43	74	41.17	34.03	11.71	35.34	296	95	P	V
		5123.55	42.25	-11.75	54	31.63	34.1	11.81	35.29	296	95	A	V
	*	5290	98.62	-	-	87.31	34.58	11.95	35.22	296	95	P	V
	*	5290	90.71	-	-	79.4	34.58	11.95	35.22	296	95	A	V
		5362.08	57.09	-16.91	74	45.66	34.62	11.99	35.18	296	95	P	V
		5351.52	48.34	-5.66	54	36.94	34.6	11.98	35.18	296	95	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	41.78	-26.42	68.2	44.69	37.54	18.6	59.05	-	-	P	H
		13336	45.21	-28.79	74	43.26	39.13	21.03	58.21	-	-	P	H
		14499	46.99	-27.01	74	43.51	39.6	21.97	58.09	-	-	P	H
		15870	47.62	-26.38	74	40.92	40.84	22.8	56.94	-	-	P	H
		17813	50.35	-23.65	74	40.5	41.57	24.37	56.09	-	-	P	H
		17813	40.59	-13.41	54	30.74	41.57	24.37	56.09	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	42.21	-25.99	68.2	45.12	37.54	18.6	59.05	-	-	P	V
5290MHz		13358	44.95	-29.05	74	43.04	39.08	21.05	58.22	-	-	P	V
		14499	47.48	-26.52	74	44	39.6	21.97	58.09	-	-	P	V
		15870	47.38	-26.62	74	40.68	40.84	22.8	56.94	-	-	P	V
		17769	50.42	-23.58	74	40.64	41.57	24.33	56.12	-	-	P	V
		17769	40.6	-13.4	54	30.82	41.57	24.33	56.12	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 2 5250~5350MHz

WIFI 802.11ax HE160 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 HE160 Full CH 50 5250MHz		5142.8	59.11	-14.89	74	48.47	34.1	11.83	35.29	100	65	P	H
		5132.65	48.91	-5.09	54	38.28	34.1	11.82	35.29	100	65	A	H
	*	5250	97.63	-	-	86.43	34.5	11.93	35.23	100	65	P	H
	*	5250	90.33	-	-	79.13	34.5	11.93	35.23	100	65	A	H
		5365.68	57.74	-16.26	74	46.3	34.63	11.99	35.18	100	65	P	H
		5381.28	52.45	-1.55	54	40.96	34.66	12	35.17	100	65	A	H
		5137.9	57.5	-16.5	74	46.86	34.1	11.83	35.29	314	84	P	V
		5137.55	46.64	-7.36	54	36	34.1	11.83	35.29	314	84	A	V
	*	5250	95.5	-	-	84.3	34.5	11.93	35.23	314	84	P	V
	*	5250	86.81	-	-	75.61	34.5	11.93	35.23	314	84	A	V
		5363.28	57.4	-16.6	74	45.96	34.63	11.99	35.18	314	84	P	V
		5372.4	49.84	-4.16	54	38.39	34.64	11.99	35.18	314	84	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 HE160 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)
		10500	42.3	-25.9	68.2	45.2	37.7	18.54	59.14	-	-	P	H
		13248	44.88	-23.32	68.2	43.08	39.04	20.95	58.19	-	-	P	H
		14499	47.74	-26.26	74	44.26	39.6	21.97	58.09	-	-	P	H
		15750	46.25	-27.75	74	40.02	40.55	22.72	57.04	-	-	P	H
		17736	50.52	-23.48	74	40.81	41.54	24.31	56.14	-	-	P	H
		17736	40.5	-13.5	54	30.79	41.54	24.31	56.14	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 50		10500	43.69	-24.51	68.2	46.59	37.7	18.54	59.14	-	-	P	V
5250MHz		13358	45.24	-28.76	74	43.33	39.08	21.05	58.22	-	-	P	V
		14499	47.52	-26.48	74	44.04	39.6	21.97	58.09	-	-	P	V
		15750	45.62	-28.38	74	39.39	40.55	22.72	57.04	-	-	P	V
		17714	50.11	-23.89	74	40.46	41.51	24.29	56.15	-	-	P	V
		17714	40.4	-13.6	54	30.75	41.51	24.29	56.15	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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		5459.12	57.09	-16.91	74	45.44	34.7	12.08	35.13	100	63	P	H
		5465.04	60.07	-8.13	68.2	48.42	34.7	12.08	35.13	100	63	P	H
		5459.6	48	-6	54	36.35	34.7	12.08	35.13	100	63	A	H
	*	5500	110.81	-	-	99.11	34.7	12.12	35.12	100	63	P	H
	*	5500	104.51	-	-	92.81	34.7	12.12	35.12	100	63	A	H
													H
		5459.44	57.14	-16.86	74	45.49	34.7	12.08	35.13	300	116	P	V
		5469.04	60.35	-7.85	68.2	48.69	34.7	12.09	35.13	300	116	P	V
		5459.92	46.18	-7.82	54	34.53	34.7	12.08	35.13	300	116	A	V
	*	5500	107.83	-	-	96.13	34.7	12.12	35.12	300	116	P	V
	*	5500	100.81	-	-	89.11	34.7	12.12	35.12	300	116	A	V
													V
802.11a CH 116 5580MHz		5447.44	51.44	-22.56	74	39.82	34.7	12.06	35.14	100	65	P	H
		5469.76	51.72	-16.48	68.2	40.06	34.7	12.09	35.13	100	65	P	H
		5443.12	42.74	-11.26	54	31.12	34.7	12.06	35.14	100	65	A	H
	*	5580	111.46	-	-	99.68	34.7	12.22	35.14	100	65	P	H
	*	5580	104.38	-	-	92.6	34.7	12.22	35.14	100	65	A	H
		5756.495	49.95	-18.25	68.2	37.61	35.2	12.31	35.17	100	65	P	H
		5418.64	49.71	-24.29	74	38.14	34.7	12.03	35.16	341	109	P	V
		5462.08	48.69	-19.51	68.2	37.04	34.7	12.08	35.13	341	109	P	V
		5452	41.44	-12.56	54	29.8	34.7	12.07	35.13	341	109	A	V
	*	5580	109.44	-	-	97.66	34.7	12.22	35.14	341	109	P	V
	*	5580	101.79	-	-	90.01	34.7	12.22	35.14	341	109	A	V
		5730.035	49.22	-18.98	68.2	37	35.08	12.3	35.16	341	109	P	V

802.11a CH 140 5700MHz	*	5700	110.49	-	-	98.47	34.9	12.28	35.16	100	64	P	H
	*	5700	103.43	-	-	91.41	34.9	12.28	35.16	100	64	A	H
		5725.4	66.13	-2.07	68.2	53.94	35.05	12.3	35.16	100	64	P	H
													H
													H
													H
	*	5700	108.26	-	-	96.24	34.9	12.28	35.16	343	110	P	V
	*	5700	100.53	-	-	88.51	34.9	12.28	35.16	343	110	A	V
		5728.04	63.88	-4.32	68.2	51.67	35.07	12.3	35.16	343	110	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)
802.11a CH 100 5500MHz		11000	43.29	-30.71	74	44.92	38	18.93	58.56	-	-	P	H
		13391	45.34	-28.66	74	43.47	39.02	21.08	58.23	-	-	P	H
		14499	47.21	-26.79	74	43.73	39.6	21.97	58.09	-	-	P	H
		16500	47.93	-20.27	68.2	39.18	42.1	23.29	56.64	-	-	P	H
		17758	49.67	-24.33	74	39.92	41.56	24.32	56.13	-	-	P	H
		17758	40.46	-13.54	54	30.71	41.56	24.32	56.13	-	-	A	H
													H
													H
													H
													H
													H
													H
		11000	45.89	-28.11	74	47.52	38	18.93	58.56	-	-	P	V
		13380	44.95	-29.05	74	43.07	39.04	21.07	58.23	-	-	P	V
		14499	46.99	-27.01	74	43.51	39.6	21.97	58.09	-	-	P	V
		16500	47.97	-20.23	68.2	39.22	42.1	23.29	56.64	-	-	P	V
		17758	50.64	-23.36	74	40.89	41.56	24.32	56.13	-	-	P	V
		17758	40.29	-13.71	54	30.54	41.56	24.32	56.13	-	-	A	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	44.43	-29.57	74	45.74	37.86	19.06	58.23	-	-	P	H
		13303	45.82	-28.18	74	43.83	39.19	21	58.2	-	-	P	H
		14499	47.33	-26.67	74	43.85	39.6	21.97	58.09	-	-	P	H
		16740	47.05	-21.15	68.2	38.1	42.14	23.48	56.67	-	-	P	H
		17791	50.32	-23.68	74	40.49	41.59	24.35	56.11	-	-	P	H
		17791	40.93	-13.07	54	31.1	41.59	24.35	56.11	-	-	A	H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	47.77	-26.23	74	49.08	37.86	19.06	58.23	-	-	P	V
		13369	44.86	-29.14	74	42.96	39.06	21.06	58.22	-	-	P	V
		14499	47.13	-26.87	74	43.65	39.6	21.97	58.09	-	-	P	V
		16740	47.13	-21.07	68.2	38.18	42.14	23.48	56.67	-	-	P	V
		17813	50.09	-23.91	74	40.24	41.57	24.37	56.09	-	-	P	V
		17813	40.85	-13.15	54	31	41.57	24.37	56.09	-	-	A	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	44.6	-29.4	74	44.88	38.2	19.25	57.73	-	-	P	H
		13336	45	-29	74	43.05	39.13	21.03	58.21	-	-	P	H
		14499	47.34	-26.66	74	43.86	39.6	21.97	58.09	-	-	P	H
		17100	47.88	-20.32	68.2	39.12	41.6	23.78	56.62	-	-	P	H
		17791	50.06	-23.94	74	40.23	41.59	24.35	56.11	-	-	P	H
		17791	40.49	-13.51	54	30.66	41.59	24.35	56.11	-	-	A	H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz													H
		11400	44.2	-29.8	74	44.48	38.2	19.25	57.73	-	-	P	V
		13248	45.47	-22.73	68.2	43.67	39.04	20.95	58.19	-	-	P	V
		14499	47.12	-26.88	74	43.64	39.6	21.97	58.09	-	-	P	V
		17100	48.09	-20.11	68.2	39.33	41.6	23.78	56.62	-	-	P	V
		17736	50.46	-23.54	74	40.75	41.54	24.31	56.14	-	-	P	V
		17736	40.61	-13.39	54	30.9	41.54	24.31	56.14	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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)
		5456.88	61.66	-12.34	74	50.01	34.7	12.08	35.13	100	62	P	H
		5467.6	66.55	-1.65	68.2	54.89	34.7	12.09	35.13	100	62	P	H
		5459.76	51.24	-2.76	54	39.59	34.7	12.08	35.13	100	62	A	H
	*	5500	110.67	-	-	98.97	34.7	12.12	35.12	100	62	P	H
802.11ax	*	5500	102.28	-	-	90.58	34.7	12.12	35.12	100	62	A	H
HE20 Full		5460.08	58.16	-10.04	68.2	46.51	34.7	12.08	35.13	299	116	P	V
CH 100		5464.4	64.55	-3.65	68.2	52.9	34.7	12.08	35.13	299	116	P	V
5500MHz		5459.92	47.29	-6.71	54	35.64	34.7	12.08	35.13	299	116	A	V
	*	5500	107.4	-	-	95.7	34.7	12.12	35.12	299	116	P	V
	*	5500	99.01	-	-	87.31	34.7	12.12	35.12	299	116	A	V
													V
													V
		5458.24	55.33	-18.67	74	43.68	34.7	12.08	35.13	100	65	P	H
		5460.64	54.31	-13.89	68.2	42.66	34.7	12.08	35.13	100	65	P	H
		5446.24	42.74	-11.26	54	31.12	34.7	12.06	35.14	100	65	A	H
	*	5580	112.73	-	-	100.95	34.7	12.22	35.14	100	65	P	H
802.11ax	*	5580	103.38	-	-	91.6	34.7	12.22	35.14	100	65	A	H
HE20 Full		5739.17	51.29	-16.91	68.2	39.02	35.14	12.3	35.17	100	65	P	H
CH 116		5451.76	52.13	-21.87	74	40.49	34.7	12.07	35.13	342	109	P	V
5580MHz		5465.44	50.26	-17.94	68.2	38.6	34.7	12.09	35.13	342	109	P	V
		5444.32	41.49	-12.51	54	29.87	34.7	12.06	35.14	342	109	A	V
	*	5580	109.01	-	-	97.23	34.7	12.22	35.14	342	109	P	V
	*	5580	100.28	-	-	88.5	34.7	12.22	35.14	342	109	A	V
		5749.25	50.49	-17.71	68.2	38.15	35.2	12.31	35.17	342	109	P	V

	*	5700	109.73	-	-	97.71	34.9	12.28	35.16	100	65	P	H
	*	5700	100.43	-	-	88.41	34.9	12.28	35.16	100	65	A	H
		5725.64	66.55	-1.65	68.2	54.36	35.05	12.3	35.16	100	65	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	105.85	-	-	93.83	34.9	12.28	35.16	328	110	P	V
5700MHz	*	5700	97.2	-	-	85.18	34.9	12.28	35.16	328	110	A	V
		5725.24	63.18	-5.02	68.2	50.99	35.05	12.3	35.16	328	110	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	44.96	-29.04	74	46.59	38	18.93	58.56	-	-	P	H
		13259	45.96	-28.04	74	44.11	39.08	20.96	58.19	-	-	P	H
		14499	47.09	-26.91	74	43.61	39.6	21.97	58.09	-	-	P	H
		16500	49.06	-19.14	68.2	40.31	42.1	23.29	56.64	-	-	P	H
		17791	49.83	-24.17	74	40	41.59	24.35	56.11	-	-	P	H
		17791	40.41	-13.59	54	30.58	41.59	24.35	56.11	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	45.46	-28.54	74	47.09	38	18.93	58.56	-	-	P	V
5500MHz		13347	45.43	-28.57	74	43.5	39.11	21.04	58.22	-	-	P	V
		14499	47.07	-26.93	74	43.59	39.6	21.97	58.09	-	-	P	V
		16500	50.37	-17.83	68.2	41.62	42.1	23.29	56.64	-	-	P	V
		17846	50.29	-23.71	74	40.46	41.51	24.39	56.07	-	-	P	V
		17846	40.6	-13.4	54	30.77	41.51	24.39	56.07	-	-	A	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	43.21	-30.79	74	44.52	37.86	19.06	58.23	-	-	P	H
		13358	44.84	-29.16	74	42.93	39.08	21.05	58.22	-	-	P	H
		14502	47.01	-21.19	68.2	43.52	39.6	21.98	58.09	-	-	P	H
		16740	47.3	-20.9	68.2	38.35	42.14	23.48	56.67	-	-	P	H
		17791	50.68	-23.32	74	40.85	41.59	24.35	56.11	-	-	P	H
		17791	40.79	-13.21	54	30.96	41.59	24.35	56.11	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	46.05	-27.95	74	47.36	37.86	19.06	58.23	-	-	P	V
5580MHz		13369	45.24	-28.76	74	43.34	39.06	21.06	58.22	-	-	P	V
		14502	47.68	-20.52	68.2	44.19	39.6	21.98	58.09	-	-	P	V
		16740	47.26	-20.94	68.2	38.31	42.14	23.48	56.67	-	-	P	V
		17714	49.24	-24.76	74	39.59	41.51	24.29	56.15	-	-	P	V
		17714	39.79	-14.21	54	30.14	41.51	24.29	56.15	-	-	A	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	42.9	-31.1	74	43.18	38.2	19.25	57.73	-	-	P	H
		13251	45.79	-28.21	74	43.98	39.05	20.95	58.19	-	-	P	H
		14499	47.52	-26.48	74	44.04	39.6	21.97	58.09	-	-	P	H
		17100	48.52	-19.68	68.2	39.76	41.6	23.78	56.62	-	-	P	H
		17747	50.73	-23.27	74	41	41.55	24.31	56.13	-	-	P	H
		17747	40.79	-13.21	54	31.06	41.55	24.31	56.13	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	43.24	-30.76	74	43.52	38.2	19.25	57.73	-	-	P	V
5700MHz		13391	45.29	-28.71	74	43.42	39.02	21.08	58.23	-	-	P	V
		14499	47.47	-26.53	74	43.99	39.6	21.97	58.09	-	-	P	V
		17100	47.82	-20.38	68.2	39.06	41.6	23.78	56.62	-	-	P	V
		17802	49.59	-24.41	74	39.73	41.6	24.36	56.1	-	-	P	V
		17802	39.99	-14.01	54	30.13	41.6	24.36	56.1	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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	57.6	-16.4	74	45.95	34.7	12.08	35.13	106	63	P	H
		5467.6	64.16	-4.04	68.2	52.5	34.7	12.09	35.13	106	63	P	H
		5459.44	51.45	-2.55	54	39.8	34.7	12.08	35.13	106	63	A	H
	*	5510	105.71	-	-	93.99	34.7	12.14	35.12	106	63	P	H
802.11ax	*	5510	97.24	-	-	85.52	34.7	12.14	35.12	106	63	A	H
HE40 Full		5747.045	49.67	-18.53	68.2	37.35	35.18	12.31	35.17	106	63	P	H
CH 102		5459.92	54.64	-19.36	74	42.99	34.7	12.08	35.13	368	116	P	V
5510MHz		5464.24	58.3	-9.9	68.2	46.65	34.7	12.08	35.13	368	116	P	V
		5459.68	46.07	-7.93	54	34.42	34.7	12.08	35.13	368	116	A	V
	*	5510	102.7	-	-	90.98	34.7	12.14	35.12	368	116	P	V
	*	5510	93.51	-	-	81.79	34.7	12.14	35.12	368	116	A	V
		5762.165	48.75	-19.45	68.2	36.41	35.2	12.31	35.17	368	116	P	V
		5450.32	60.1	-13.9	74	48.46	34.7	12.07	35.13	100	63	P	H
		5464.48	62.35	-5.85	68.2	50.7	34.7	12.08	35.13	100	63	P	H
		5459.44	50.61	-3.39	54	38.96	34.7	12.08	35.13	100	63	A	H
	*	5550	110.42	-	-	98.67	34.7	12.18	35.13	100	63	P	H
802.11ax	*	5550	101.11	-	-	89.36	34.7	12.18	35.13	100	63	A	H
HE40 Full		5729.09	52.08	-16.12	68.2	39.87	35.07	12.3	35.16	100	63	P	H
CH 110		5459.2	55.62	-18.38	74	43.97	34.7	12.08	35.13	344	109	P	V
5550MHz		5468.08	57.12	-11.08	68.2	45.46	34.7	12.09	35.13	344	109	P	V
		5459.44	46.9	-7.1	54	35.25	34.7	12.08	35.13	344	109	A	V
	*	5550	106.86	-	-	95.11	34.7	12.18	35.13	344	109	P	V
	*	5550	98.15	-	-	86.4	34.7	12.18	35.13	344	109	A	V
		5739.17	50.28	-17.92	68.2	38.01	35.14	12.3	35.17	344	109	P	V

		5411.95	52.02	-21.98	74	40.46	34.7	12.02	35.16	100	62	P	H
		5466.55	49	-19.2	68.2	37.34	34.7	12.09	35.13	100	62	P	H
		5456.05	42.22	-11.78	54	30.58	34.7	12.07	35.13	100	62	A	H
	*	5670	109.19	-	-	97.29	34.78	12.27	35.15	100	62	P	H
802.11ax	*	5670	100.43	-	-	88.53	34.78	12.27	35.15	100	62	A	H
HE40 Full		5725.975	65.54	-2.66	68.2	53.34	35.06	12.3	35.16	100	62	P	H
CH 134		5434	48.28	-25.72	74	36.67	34.7	12.05	35.14	296	15	P	V
5670MHz		5465.5	47.48	-20.72	68.2	35.82	34.7	12.09	35.13	296	15	P	V
		5459.55	40.48	-13.52	54	28.83	34.7	12.08	35.13	296	15	A	V
	*	5670	102.75	-	-	90.85	34.78	12.27	35.15	296	15	P	V
	*	5670	95.27	-	-	83.37	34.78	12.27	35.15	296	15	A	V
		5731.925	64.25	-3.95	68.2	52.03	35.09	12.3	35.17	296	15	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	43.61	-30.39	74	45.22	37.96	18.95	58.52	-	-	P	H
		13358	45.58	-28.42	74	43.39	39.08	21.05	57.94	-	-	P	H
		14499	47.82	-26.18	74	43.77	39.6	21.97	57.52	-	-	P	H
		16530	48.53	-19.67	68.2	39.88	41.98	23.31	56.64	-	-	P	H
		17736	50.43	-23.57	74	39.75	41.54	24.31	55.17	-	-	P	H
		17736	40.69	-13.31	54	30.01	41.54	24.31	55.17	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	43.63	-30.37	74	45.24	37.96	18.95	58.52	-	-	P	V
5510MHz		13251	44.86	-29.14	74	42.79	39.05	20.95	57.93	-	-	P	V
		14499	46.87	-27.13	74	42.82	39.6	21.97	57.52	-	-	P	V
		16530	46.7	-21.5	68.2	38.05	41.98	23.31	56.64	-	-	P	V
		17758	49.95	-24.05	74	39.23	41.56	24.32	55.16	-	-	P	V
		17758	41.08	-12.92	54	30.36	41.56	24.32	55.16	-	-	A	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	43.46	-30.54	74	44.99	37.8	19.02	58.35	-	-	P	H
		13369	44.69	-29.31	74	42.51	39.06	21.06	57.94	-	-	P	H
		14499	47.49	-26.51	74	43.44	39.6	21.97	57.52	-	-	P	H
		16650	47.51	-20.69	68.2	38.87	41.9	23.4	56.66	-	-	P	H
		17780	50.29	-23.71	74	39.52	41.58	24.34	55.15	-	-	P	H
		17780	41.1	-12.9	54	30.33	41.58	24.34	55.15	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	44.08	-29.92	74	45.61	37.8	19.02	58.35	-	-	P	V
5550MHz		13251	45.09	-28.91	74	43.02	39.05	20.95	57.93	-	-	P	V
		14499	47.32	-26.68	74	43.27	39.6	21.97	57.52	-	-	P	V
		16650	48.94	-19.26	68.2	40.3	41.9	23.4	56.66	-	-	P	V
		17879	50.31	-23.69	74	39.56	41.44	24.42	55.11	-	-	P	V
		17879	41.77	-12.23	54	31.02	41.44	24.42	55.11	-	-	A	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	42.54	-31.46	74	43.04	38.14	19.21	57.85	-	-	P	H
		13251	45.57	-28.43	74	43.5	39.05	20.95	57.93	-	-	P	H
		14499	47.1	-26.9	74	43.05	39.6	21.97	57.52	-	-	P	H
		17010	48.15	-20.05	68.2	39.46	41.69	23.7	56.7	-	-	P	H
		17725	49.93	-24.07	74	39.28	41.53	24.3	55.18	-	-	P	H
		17725	40.76	-13.24	54	30.11	41.53	24.3	55.18	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	44.05	-29.95	74	44.55	38.14	19.21	57.85	-	-	P	V
5670MHz		13347	44.73	-29.27	74	42.52	39.11	21.04	57.94	-	-	P	V
		14499	48.01	-25.99	74	43.96	39.6	21.97	57.52	-	-	P	V
		17010	48.3	-19.9	68.2	39.61	41.69	23.7	56.7	-	-	P	V
		17769	49.95	-24.05	74	39.21	41.57	24.33	55.16	-	-	P	V
		17769	40.86	-13.14	54	30.12	41.57	24.33	55.16	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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)
		5454.64	58.99	-15.01	74	47.35	34.7	12.07	35.13	104	68	P	H
		5468.08	60.34	-7.86	68.2	48.68	34.7	12.09	35.13	104	68	P	H
		5454.88	50.41	-3.59	54	38.77	34.7	12.07	35.13	104	68	A	H
	*	5530	100.13	-	-	88.4	34.7	12.16	35.13	104	68	P	H
802.11ax	*	5530	93.13	-	-	81.4	34.7	12.16	35.13	104	68	A	H
HE80 Full		5746.1	49.41	-18.79	68.2	37.09	35.18	12.31	35.17	104	68	P	H
CH 106		5455.6	54.86	-19.14	74	43.22	34.7	12.07	35.13	376	90	P	V
5530MHz		5469.04	56.1	-12.1	68.2	44.44	34.7	12.09	35.13	376	90	P	V
		5453.2	47.63	-6.37	54	35.99	34.7	12.07	35.13	376	90	A	V
	*	5530	96.45	-	-	84.72	34.7	12.16	35.13	376	90	P	V
	*	5530	88.51	-	-	76.78	34.7	12.16	35.13	376	90	A	V
		5748.62	48.61	-19.59	68.2	36.28	35.19	12.31	35.17	376	90	P	V
		5457.45	60.37	-13.63	74	48.72	34.7	12.08	35.13	106	63	P	H
		5459.9	59.69	-14.31	74	48.04	34.7	12.08	35.13	106	63	P	H
		5459.9	52.39	-1.61	54	40.74	34.7	12.08	35.13	106	63	A	H
	*	5610	105.5	-	-	93.7	34.7	12.24	35.14	106	63	P	H
802.11ax	*	5610	98.6	-	-	86.8	34.7	12.24	35.14	106	63	A	H
HE80 Full		5727.725	66.16	-2.04	68.2	53.95	35.07	12.3	35.16	106	63	P	H
CH 122		5455.7	56.48	-17.52	74	44.84	34.7	12.07	35.13	400	101	P	V
5610MHz		5464.1	57.62	-10.58	68.2	45.97	34.7	12.08	35.13	400	101	P	V
		5459.2	49.77	-4.23	54	38.12	34.7	12.08	35.13	400	101	A	V
	*	5610	102.21	-	-	90.41	34.7	12.24	35.14	400	101	P	V
	*	5610	94.65	-	-	82.85	34.7	12.24	35.14	400	101	A	V
		5727.025	61.65	-6.55	68.2	49.45	35.06	12.3	35.16	400	101	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	42.69	-31.31	74	44.27	37.88	18.98	58.44	-	-	P	H
		13303	44.85	-29.15	74	42.59	39.19	21	57.93	-	-	P	H
		14499	47.39	-26.61	74	43.34	39.6	21.97	57.52	-	-	P	H
		16590	45.72	-22.48	68.2	37.27	41.74	23.36	56.65	-	-	P	H
		17835	48.89	-25.11	74	38.11	41.53	24.38	55.13	-	-	P	H
		17835	42.11	-11.89	54	31.33	41.53	24.38	55.13	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	43.09	-30.91	74	44.67	37.88	18.98	58.44	-	-	P	V
5530MHz		13347	44.69	-29.31	74	42.48	39.11	21.04	57.94	-	-	P	V
		14499	46.89	-27.11	74	42.84	39.6	21.97	57.52	-	-	P	V
		16590	46.67	-21.53	68.2	38.22	41.74	23.36	56.65	-	-	P	V
		17802	49.41	-24.59	74	38.59	41.6	24.36	55.14	-	-	P	V
		17802	40.83	-13.17	54	30.01	41.6	24.36	55.14	-	-	A	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	42.54	-31.46	74	43.59	37.94	19.11	58.1	-	-	P	H
		13369	45.19	-28.81	74	43.01	39.06	21.06	57.94	-	-	P	H
		14499	47.51	-26.49	74	43.46	39.6	21.97	57.52	-	-	P	H
		16830	47.43	-20.77	68.2	38.37	42.2	23.55	56.69	-	-	P	H
		17714	48.98	-25.02	74	38.36	41.51	24.29	55.18	-	-	P	H
		17714	42.07	-11.93	54	31.45	41.51	24.29	55.18	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	43.13	-30.87	74	44.18	37.94	19.11	58.1	-	-	P	V
5610MHz		13259	45.21	-28.79	74	43.1	39.08	20.96	57.93	-	-	P	V
		14499	47.68	-26.32	74	43.63	39.6	21.97	57.52	-	-	P	V
		16830	47.47	-20.73	68.2	38.41	42.2	23.55	56.69	-	-	P	V
		17824	49.19	-24.81	74	38.4	41.55	24.37	55.13	-	-	P	V
		17824	41.46	-12.54	54	30.67	41.55	24.37	55.13	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 3 5470~5725MHz

WIFI 802.11ax HE160 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 HE160 Full CH 114 5570MHz		5450.08	60.69	-13.31	74	49.05	34.7	12.07	35.13	100	64	P	H
		5461.6	62.63	-5.57	68.2	50.98	34.7	12.08	35.13	100	64	P	H
		5456.32	52.19	-1.81	54	40.55	34.7	12.07	35.13	100	64	A	H
	*	5570	97.95	-	-	86.17	34.7	12.21	35.13	100	64	P	H
	*	5570	90.92	-	-	79.14	34.7	12.21	35.13	100	64	A	H
		5725	60.26	-7.94	68.2	48.07	35.05	12.3	35.16	100	64	P	H
		5429.92	58.91	-15.09	74	47.31	34.7	12.04	35.14	301	109	P	V
		5468.8	53.8	-14.4	68.2	42.14	34.7	12.09	35.13	301	109	P	V
		5452.96	49.79	-4.21	54	38.15	34.7	12.07	35.13	301	109	A	V
	*	5570	94.79	-	-	83.01	34.7	12.21	35.13	301	109	P	V
	*	5570	87.32	-	-	75.54	34.7	12.21	35.13	301	109	A	V
		5738.225	53.35	-14.85	68.2	41.09	35.13	12.3	35.17	301	109	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11140	42.9	-31.1	74	44.28	37.84	19.05	58.27	-	-	P	H
		13358	45.05	-28.95	74	42.86	39.08	21.05	57.94	-	-	P	H
		14499	47.47	-26.53	74	43.42	39.6	21.97	57.52	-	-	P	H
		16710	47	-21.2	68.2	38.1	42.11	23.46	56.67	-	-	P	H
		17714	49	-25	74	38.38	41.51	24.29	55.18	-	-	P	H
		17714	40.95	-13.05	54	30.33	41.51	24.29	55.18	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 114		11140	42.17	-31.83	74	43.55	37.84	19.05	58.27	-	-	P	V
5570MHz		13358	44.97	-29.03	74	42.78	39.08	21.05	57.94	-	-	P	V
		14499	46.93	-27.07	74	42.88	39.6	21.97	57.52	-	-	P	V
		16710	46.14	-22.06	68.2	37.24	42.11	23.46	56.67	-	-	P	V
		17714	49	-25	74	38.38	41.51	24.29	55.18	-	-	P	V
		17714	41.64	-12.36	54	31.02	41.51	24.29	55.18	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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		5454.91	50.18	-23.82	74	38.54	34.7	12.07	35.13	100	64	P	H
		5460	49.37	-18.83	68.2	37.72	34.7	12.08	35.13	100	64	P	H
		5449.84	41.53	-12.47	54	29.89	34.7	12.07	35.13	100	64	A	H
	*	5720	110.6	-	-	98.45	35.02	12.29	35.16	100	64	P	H
	*	5720	103.75	-	-	91.6	35.02	12.29	35.16	100	64	A	H
		5884	50.99	-17.21	68.2	38.53	35.2	12.45	35.19	100	64	P	H
		5361.7	49.14	-24.86	74	37.71	34.62	11.99	35.18	363	113	P	V
		5463.49	48.99	-19.21	68.2	37.34	34.7	12.08	35.13	363	113	P	V
		5458.81	40.43	-13.57	54	28.78	34.7	12.08	35.13	363	113	A	V
	*	5720	108.82	-	-	96.67	35.02	12.29	35.16	363	113	P	V
	*	5720	101.45	-	-	89.3	35.02	12.29	35.16	363	113	A	V
		5852.75	51.11	-17.09	68.2	38.68	35.2	12.41	35.18	363	113	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	42.36	-31.64	74	42.56	38.16	19.28	57.64	-	-	P	H
		13380	45.54	-28.46	74	43.66	39.04	21.07	58.23	-	-	P	H
		14499	47.3	-26.7	74	43.82	39.6	21.97	58.09	-	-	P	H
		17160	49.87	-18.33	68.2	41.07	41.54	23.83	56.57	-	-	P	H
		17846	50.88	-23.12	74	41.05	41.51	24.39	56.07	-	-	P	H
		17846	40.68	-13.32	54	30.85	41.51	24.39	56.07	-	-	A	H
													H
													H
													H
													H
													H
													H
		11440	43.52	-30.48	74	43.72	38.16	19.28	57.64	-	-	P	V
		13248	45.06	-23.14	68.2	43.26	39.04	20.95	58.19	-	-	P	V
		14499	47.7	-26.3	74	44.22	39.6	21.97	58.09	-	-	P	V
		17160	49.99	-18.21	68.2	41.19	41.54	23.83	56.57	-	-	P	V
		17736	49.84	-24.16	74	40.13	41.54	24.31	56.14	-	-	P	V
		17736	40.12	-13.88	54	30.41	41.54	24.31	56.14	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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)
802.11ax HE20 Full CH 144 5720MHz		5407.72	50.09	-23.91	74	38.53	34.7	12.02	35.16	100	64	P	H
		5469.73	49.47	-18.73	68.2	37.81	34.7	12.09	35.13	100	64	P	H
		5454.52	41.28	-12.72	54	29.64	34.7	12.07	35.13	100	64	A	H
	*	5720	111.72	-	-	99.57	35.02	12.29	35.16	100	64	P	H
	*	5720	102.05	-	-	89.9	35.02	12.29	35.16	100	64	A	H
		5876	50.46	-17.74	68.2	38.01	35.2	12.44	35.19	100	64	P	H
		5358.97	49.05	-24.95	74	37.62	34.62	11.99	35.18	363	113	P	V
		5461.15	47.99	-20.21	68.2	36.34	34.7	12.08	35.13	363	113	P	V
		5447.11	40.41	-13.59	54	28.79	34.7	12.06	35.14	363	113	A	V
	*	5720	108.89	-	-	96.74	35.02	12.29	35.16	363	113	P	V
	*	5720	99.75	-	-	87.6	35.02	12.29	35.16	363	113	A	V
		5876.5	50.36	-17.84	68.2	37.91	35.2	12.44	35.19	363	113	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	42.75	-31.25	74	42.95	38.16	19.28	57.64	-	-	P	H
		13369	46.06	-27.94	74	43.88	39.06	21.06	57.94	-	-	P	H
		14499	47.19	-26.81	74	43.14	39.6	21.97	57.52	-	-	P	H
		17160	49.91	-18.29	68.2	41.11	41.54	23.83	56.57	-	-	P	H
		17846	49.77	-24.23	74	38.99	41.51	24.39	55.12	-	-	P	H
		17846	41.21	-12.79	54	30.43	41.51	24.39	55.12	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	43.13	-30.87	74	43.33	38.16	19.28	57.64	-	-	P	V
5720MHz		13358	45.46	-28.54	74	43.27	39.08	21.05	57.94	-	-	P	V
		14499	46.99	-27.01	74	42.94	39.6	21.97	57.52	-	-	P	V
		17160	53.27	-14.93	68.2	44.47	41.54	23.83	56.57	-	-	P	V
		17714	50.44	-23.56	74	39.82	41.51	24.29	55.18	-	-	P	V
		17714	41.13	-12.87	54	30.51	41.51	24.29	55.18	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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		5408.5	49.85	-24.15	74	38.29	34.7	12.02	35.16	100	64	P	H
		5463.88	49.75	-18.45	68.2	38.1	34.7	12.08	35.13	100	64	P	H
		5450.62	41.92	-12.08	54	30.28	34.7	12.07	35.13	100	64	A	H
	*	5710	110.65	-	-	98.56	34.96	12.29	35.16	100	64	P	H
	*	5710	101.38	-	-	89.29	34.96	12.29	35.16	100	64	A	H
		5855.5	52.04	-16.16	68.2	39.61	35.2	12.41	35.18	100	64	P	H
		5440.48	48.65	-25.35	74	37.03	34.7	12.06	35.14	364	113	P	V
		5463.49	48.23	-19.97	68.2	36.58	34.7	12.08	35.13	364	113	P	V
		5440.48	40.72	-13.28	54	29.1	34.7	12.06	35.14	364	113	A	V
	*	5710	106.21	-	-	94.12	34.96	12.29	35.16	364	113	P	V
	*	5710	98.51	-	-	86.42	34.96	12.29	35.16	364	113	A	V
		5854.75	50.95	-17.25	68.2	38.52	35.2	12.41	35.18	364	113	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	44.25	-29.75	74	44.49	38.18	19.27	57.69	-	-	P	H
		13259	45.03	-28.97	74	42.92	39.08	20.96	57.93	-	-	P	H
		14499	47.71	-26.29	74	43.66	39.6	21.97	57.52	-	-	P	H
		17130	49.75	-18.45	68.2	40.97	41.57	23.81	56.6	-	-	P	H
		17714	49.68	-24.32	74	39.06	41.51	24.29	55.18	-	-	P	H
		17714	41.17	-12.83	54	30.55	41.51	24.29	55.18	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	42.8	-31.2	74	43.04	38.18	19.27	57.69	-	-	P	V
5710MHz		13270	45.48	-28.52	74	43.33	39.11	20.97	57.93	-	-	P	V
		14499	46.81	-27.19	74	42.76	39.6	21.97	57.52	-	-	P	V
		17130	50.21	-17.99	68.2	41.43	41.57	23.81	56.6	-	-	P	V
		17780	48.89	-25.11	74	38.12	41.58	24.34	55.15	-	-	P	V
		17780	41.1	-12.9	54	30.33	41.58	24.34	55.15	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 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)
		5449.45	52.23	-21.77	74	40.6	34.7	12.07	35.14	100	65	P	H
		5467.78	51.75	-16.45	68.2	40.09	34.7	12.09	35.13	100	65	P	H
		5447.11	45.04	-8.96	54	33.42	34.7	12.06	35.14	100	65	A	H
	*	5690	105.95	-	-	93.97	34.86	12.28	35.16	100	65	P	H
802.11ax	*	5690	98.12	-	-	86.14	34.86	12.28	35.16	100	65	A	H
HE80 Full		5853.7	55.84	-12.36	68.2	43.41	35.2	12.41	35.18	100	65	P	H
CH 138		5435.8	49.66	-24.34	74	38.05	34.7	12.05	35.14	300	115	P	V
5690MHz		5463.1	49.36	-18.84	68.2	37.71	34.7	12.08	35.13	300	115	P	V
		5457.25	42.82	-11.18	54	31.17	34.7	12.08	35.13	300	115	A	V
	*	5690	103.63	-	-	91.65	34.86	12.28	35.16	300	115	P	V
	*	5690	96.1	-	-	84.12	34.86	12.28	35.16	300	115	A	V
		5855.2	53.37	-14.83	68.2	40.94	35.2	12.41	35.18	300	115	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	41.91	-32.09	74	42.26	38.18	19.24	57.77	-	-	P	H
		13325	45.74	-28.26	74	43.51	39.15	21.02	57.94	-	-	P	H
		14499	47.79	-26.21	74	43.74	39.6	21.97	57.52	-	-	P	H
		17070	45.34	-22.86	68.2	36.61	41.63	23.75	56.65	-	-	P	H
		17890	49.2	-24.8	74	38.46	41.42	24.42	55.1	-	-	P	H
		17890	41.27	-12.73	54	30.53	41.42	24.42	55.1	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	42.4	-31.6	74	42.75	38.18	19.24	57.77	-	-	P	V
5690MHz		13251	44.66	-29.34	74	42.59	39.05	20.95	57.93	-	-	P	V
		14499	47.63	-26.37	74	43.58	39.6	21.97	57.52	-	-	P	V
		17070	46.51	-21.69	68.2	37.78	41.63	23.75	56.65	-	-	P	V
		17967	49.16	-24.84	74	38.27	41.47	24.49	55.07	-	-	P	V
		17967	41.64	-12.36	54	30.75	41.47	24.49	55.07	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

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		39846	45.43	-28.57	74	44.57	44.6	14.77	58.51	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39978	45.37	-28.63	74	44.19	44.6	14.82	58.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

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	23.6	-16.4	40	28.13	24.57	1.01	30.11	-	-	P	H
		96.69	29.22	-14.28	43.5	41.92	15.53	1.75	29.98	-	-	P	H
		197.13	25.29	-18.21	43.5	37.69	14.94	2.49	29.83	-	-	P	H
		848.8	31.99	-14.01	46	27.29	28.63	5.13	29.06	-	-	P	H
		901.3	33.98	-12.02	46	28.72	28.61	5.46	28.81	-	-	P	H
		954.5	34.5	-11.5	46	27.05	30.52	5.57	28.64	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	33.77	-6.23	40	38.3	24.57	1.01	30.11	-	-	P	V
		35.13	30.57	-9.43	40	37.75	21.95	0.95	30.08	-	-	P	V
		91.02	26.59	-16.91	43.5	40.19	14.73	1.7	30.03	-	-	P	V
		851.6	32.58	-13.42	46	27.79	28.7	5.14	29.05	-	-	P	V
		918.1	32.82	-13.18	46	27.17	28.91	5.49	28.75	-	-	P	V
		955.2	35.05	-10.95	46	27.56	30.55	5.57	28.63	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

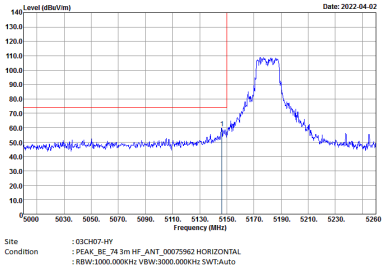
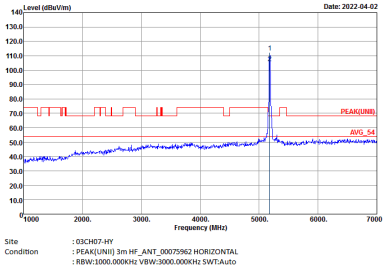
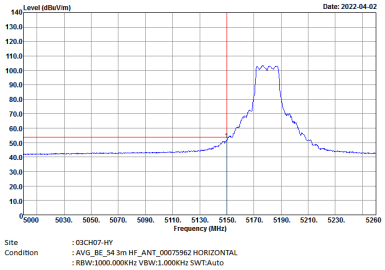
Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu	**Temperature :**	20~26.7°C
		Relative Humidity :	49~61.1%

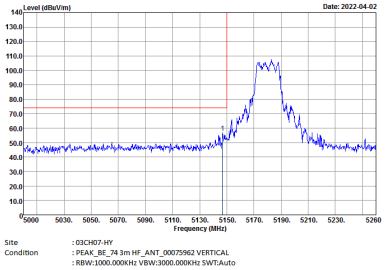
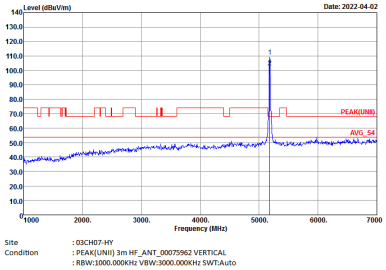
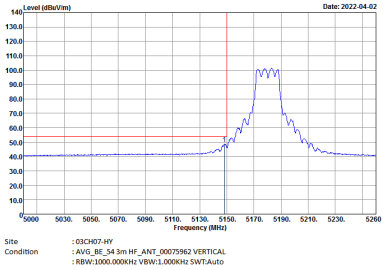
Note symbol

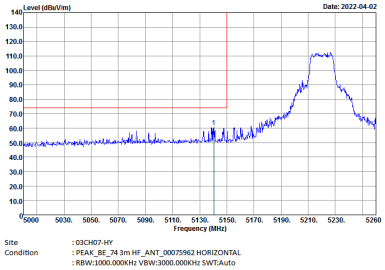
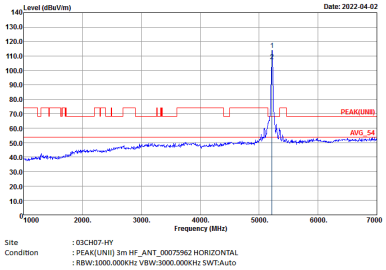
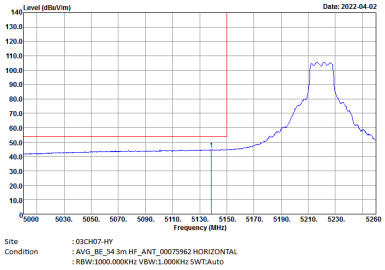
-L	**Low channel location**
-R	**High channel location**

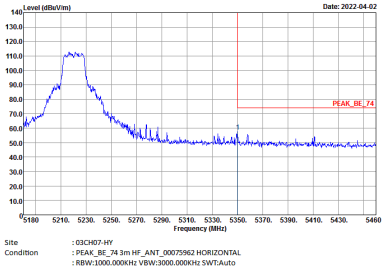
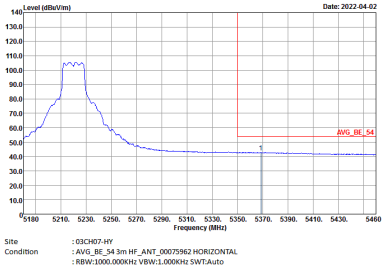
Band 1 - 5150~5250MHz

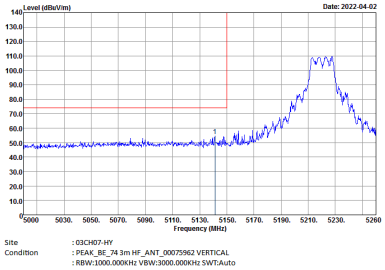
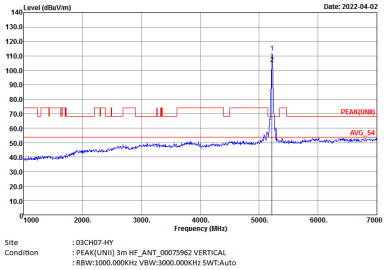
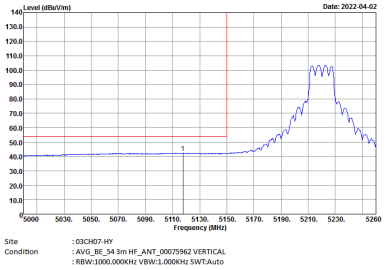
WIFI 802.11a (Band Edge @ 3m)

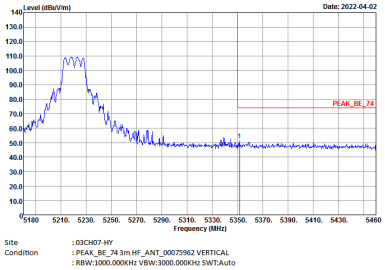
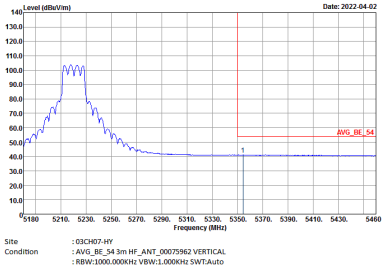
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

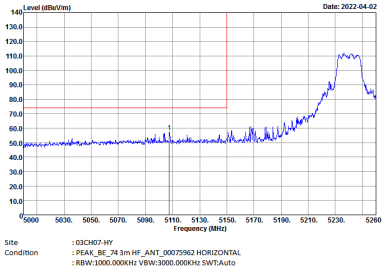
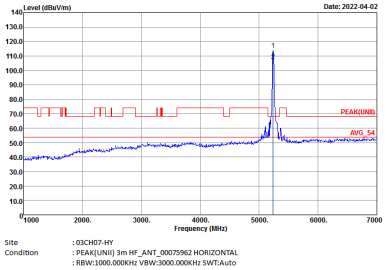
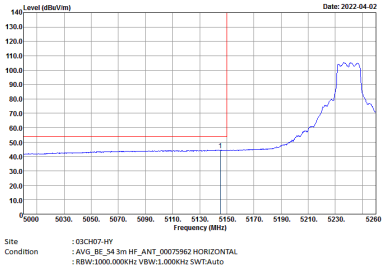
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

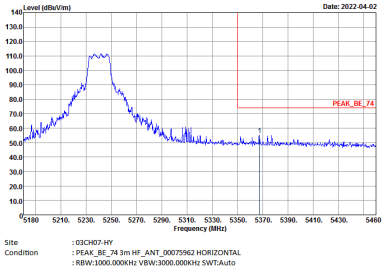
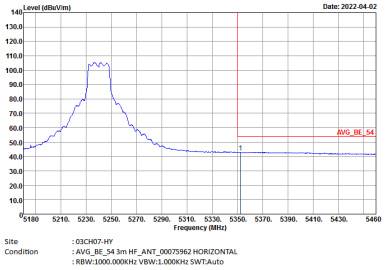
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

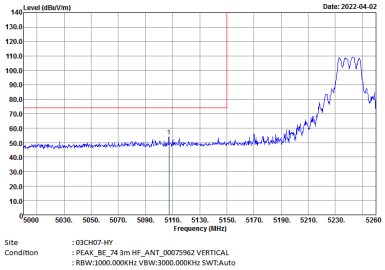
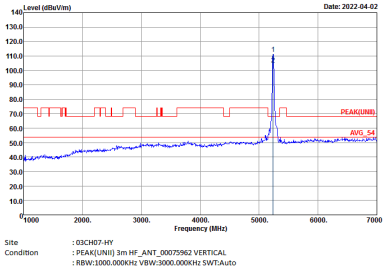
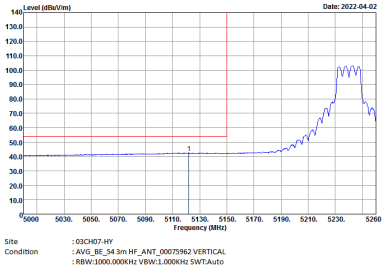
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

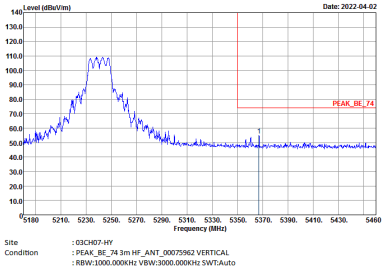
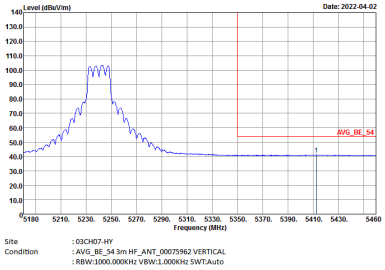
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

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.		Left blank

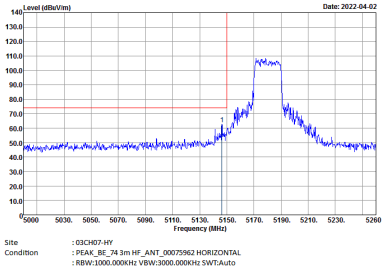
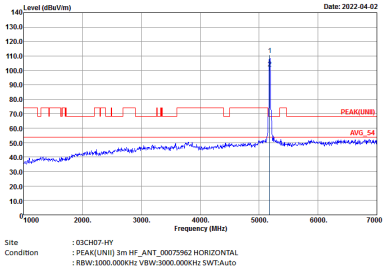
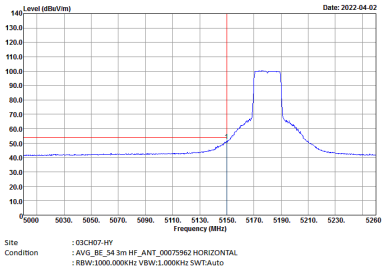
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

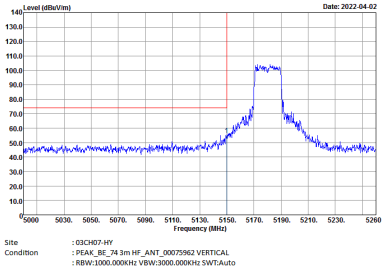
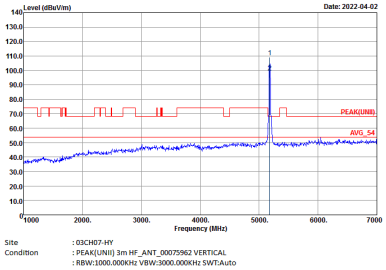
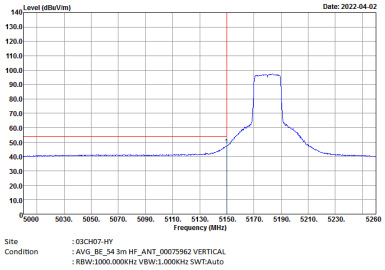
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

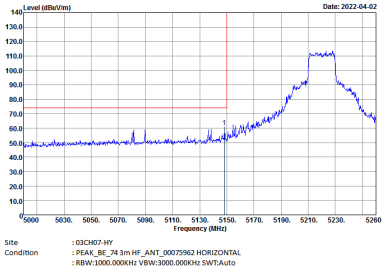
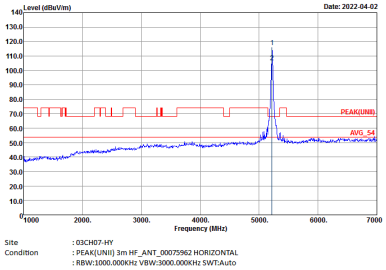
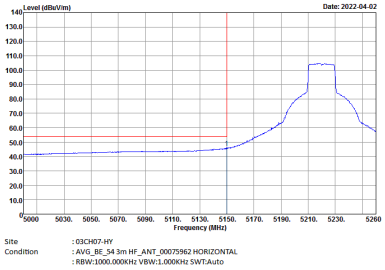
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

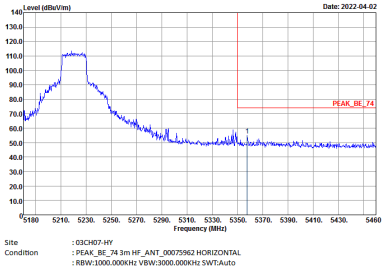
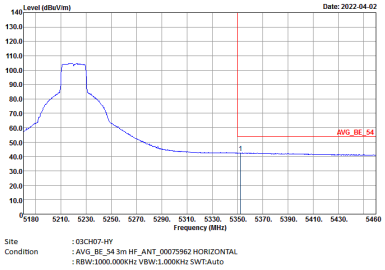
Band 1 5150~5250MHz

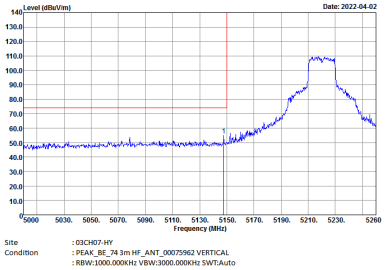
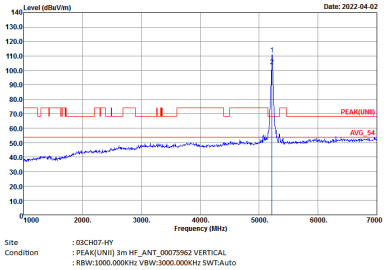
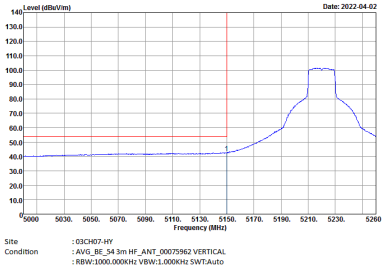
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

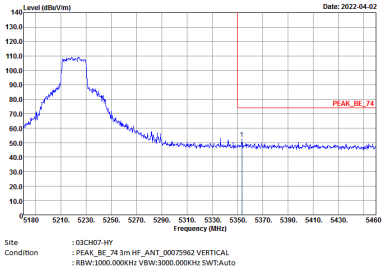
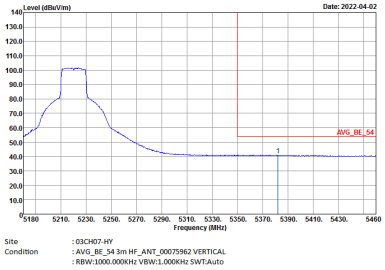
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

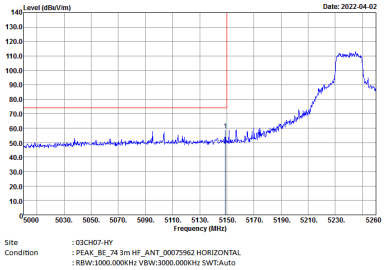
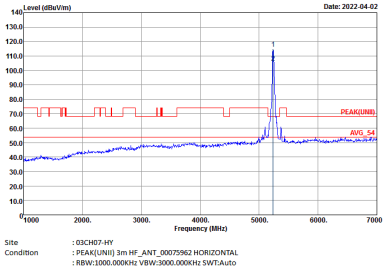
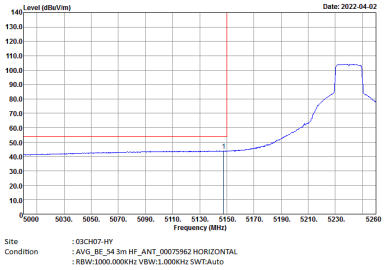
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

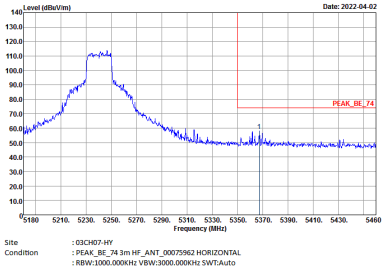
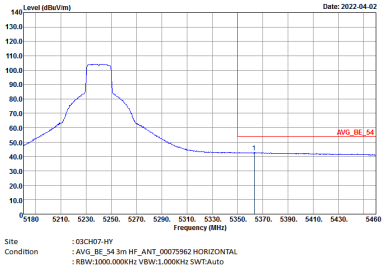
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

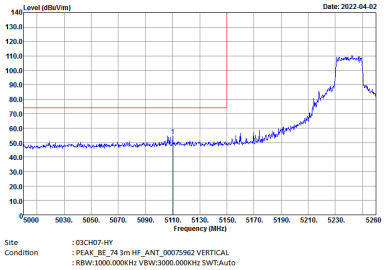
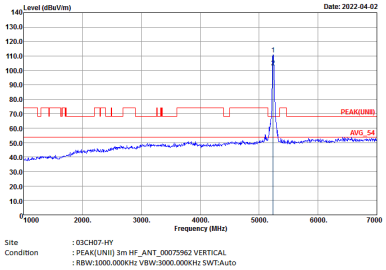
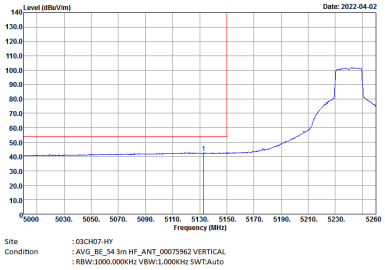
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

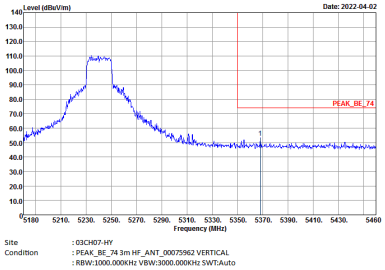
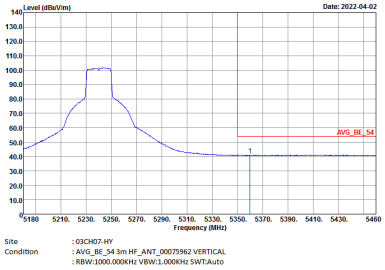
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

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

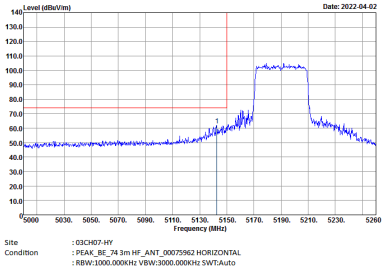
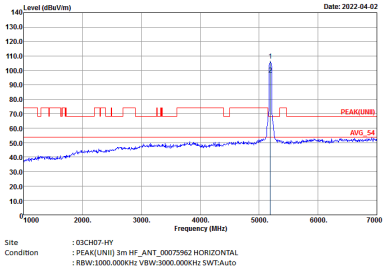
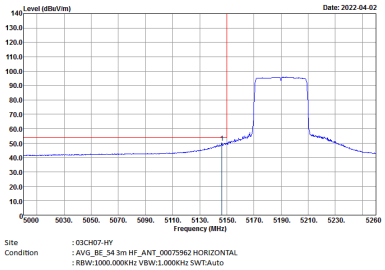
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

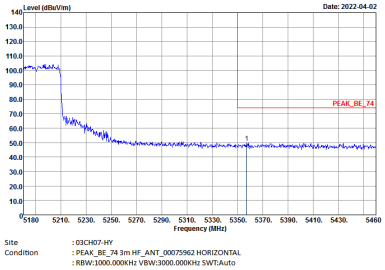
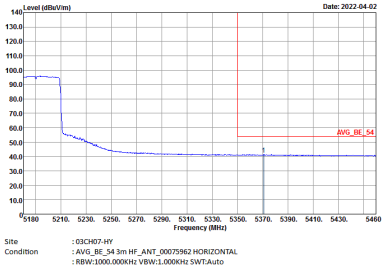
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

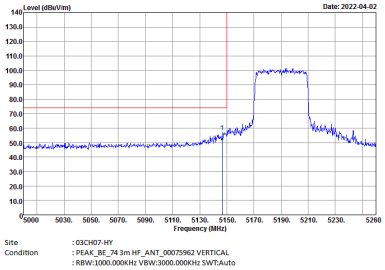
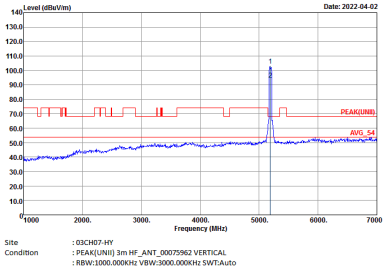
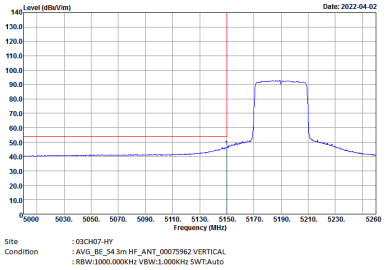
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

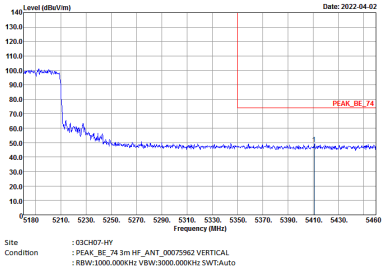
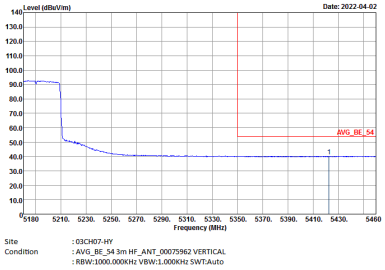
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

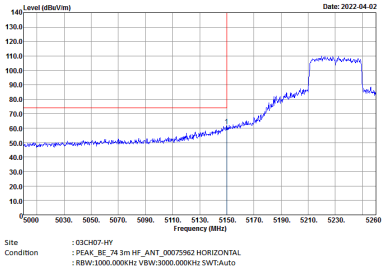
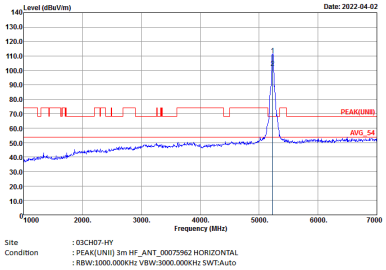
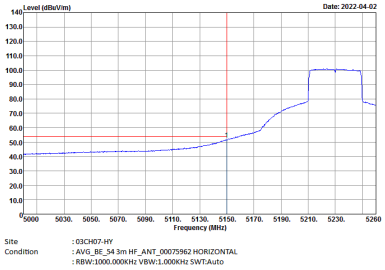
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

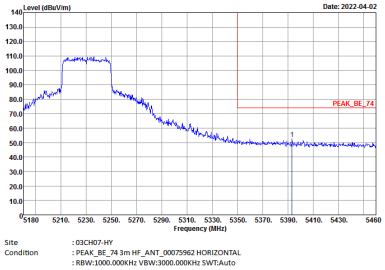
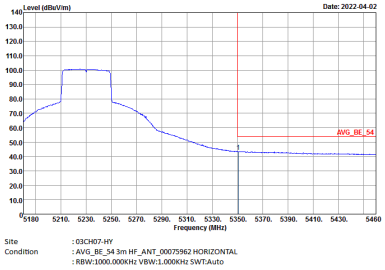
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

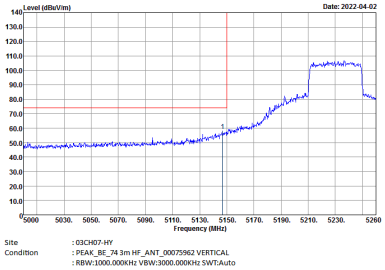
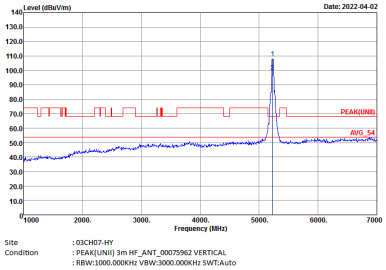
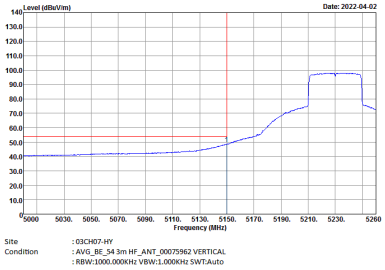
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

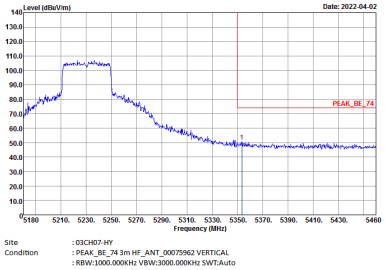
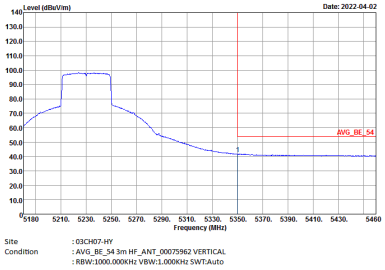
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

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

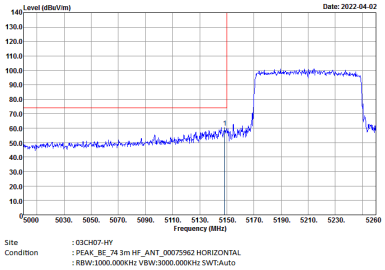
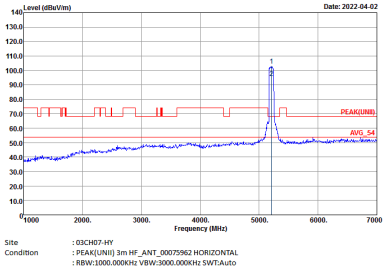
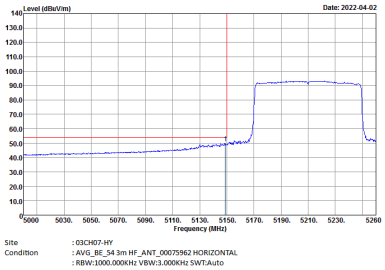
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

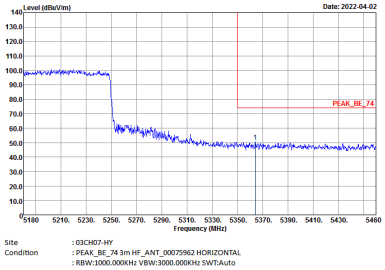
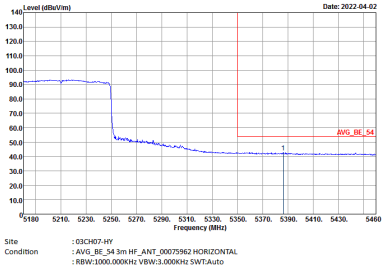
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

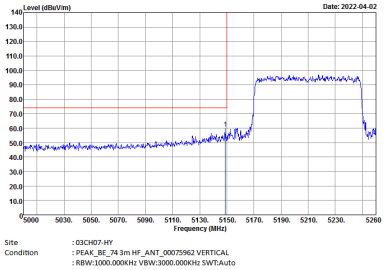
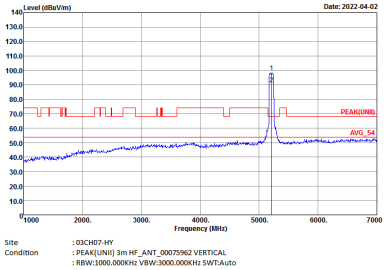
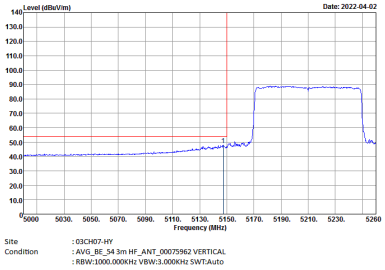
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

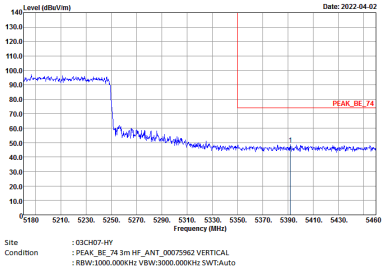
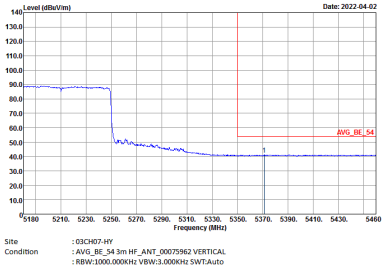
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

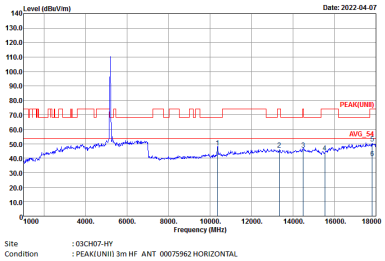
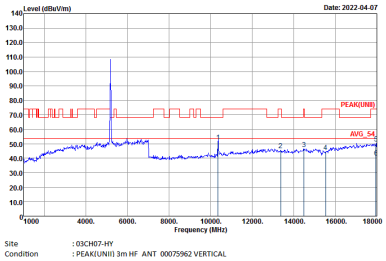
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

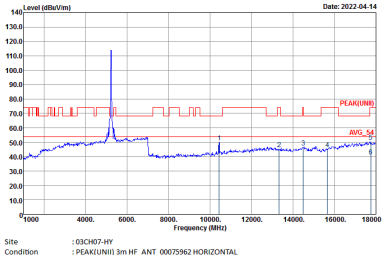
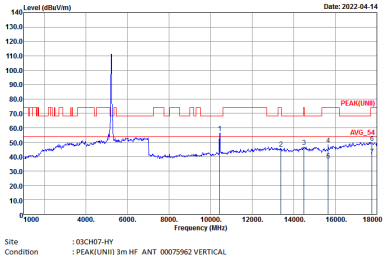
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

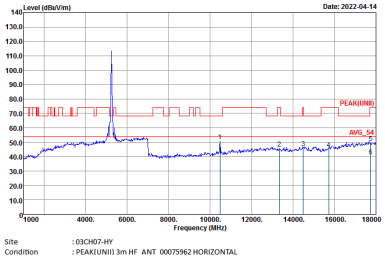
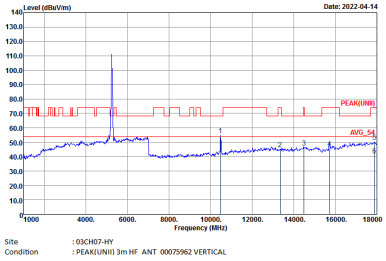
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

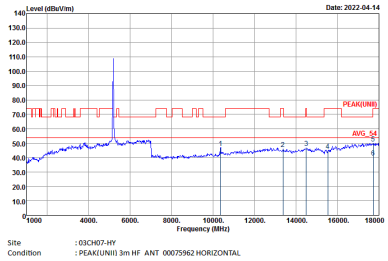
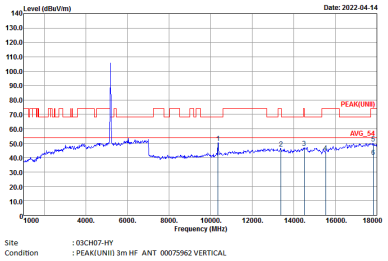
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.		

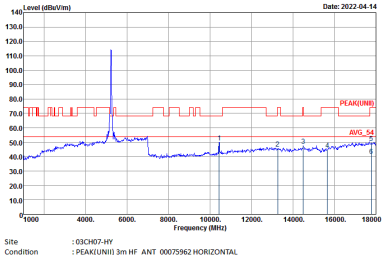
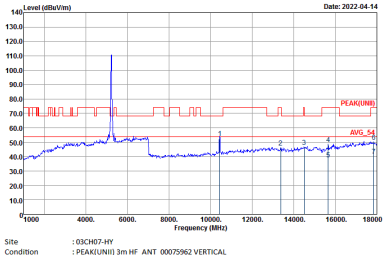
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.		

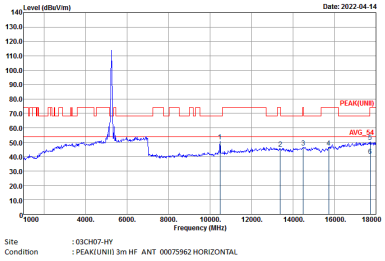
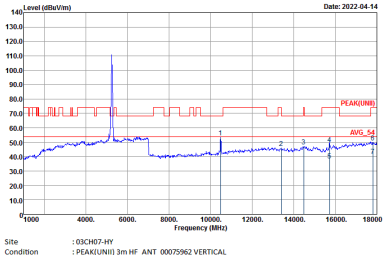
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

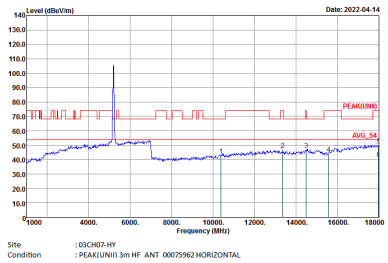
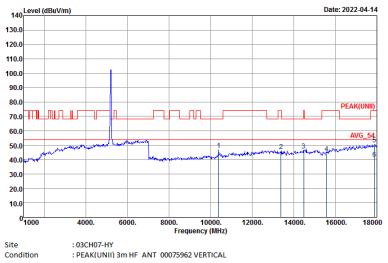
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.		

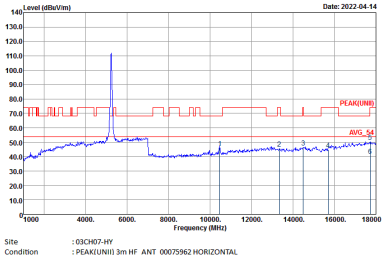
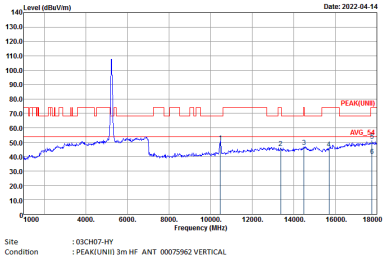
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.		

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

Band 1 5150~5250MHz

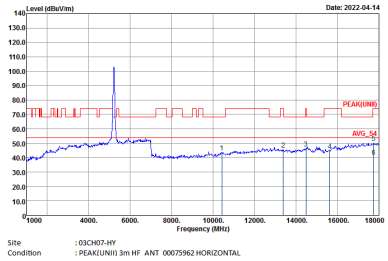
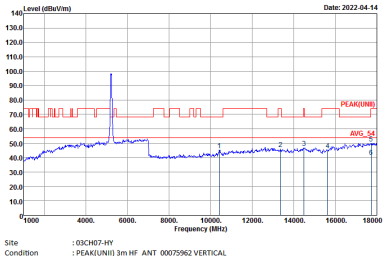
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

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 CH46 5230MHz	
4+3	Horizontal	Vertical
Peak Avg.		

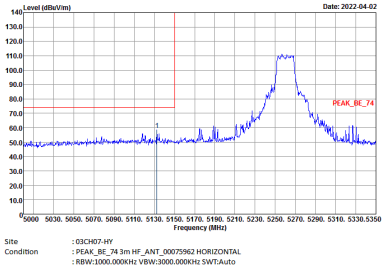
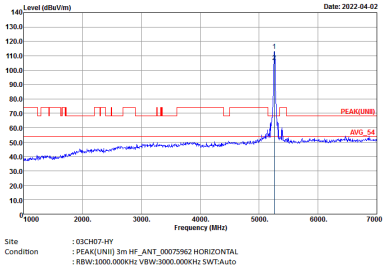
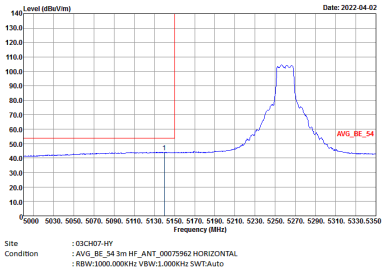
Band 1 5150~5250MHz

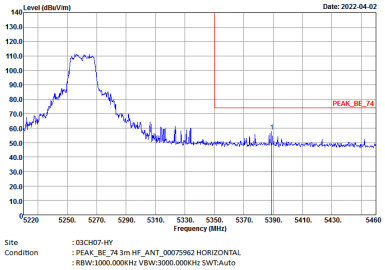
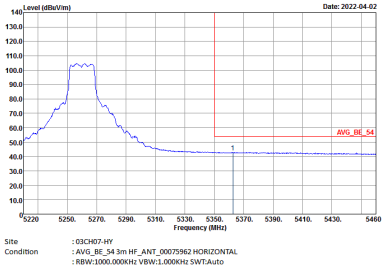
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

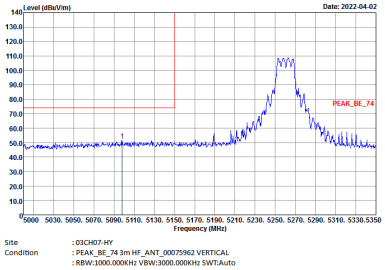
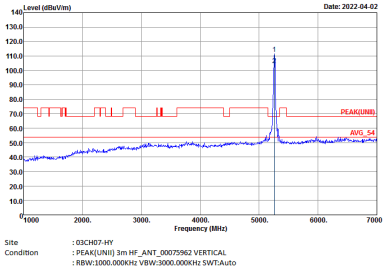
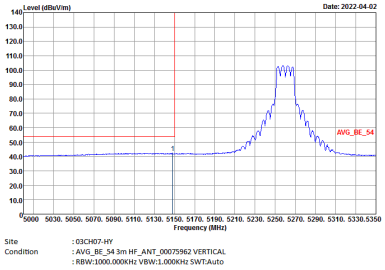
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
4+3	Horizontal	Vertical
Peak Avg.		

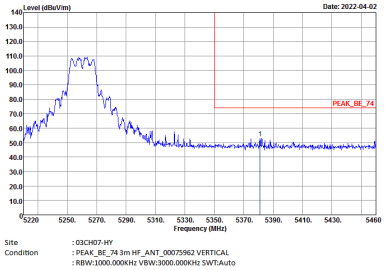
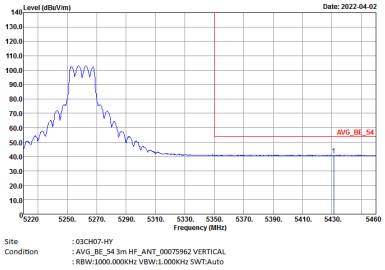
Band 2 - 5250~5350MHz

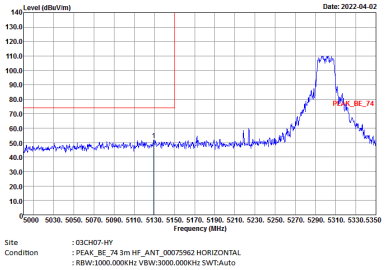
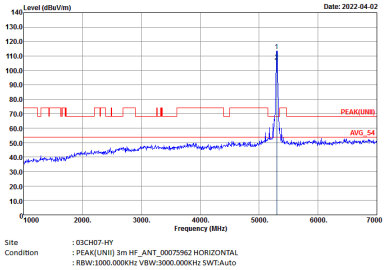
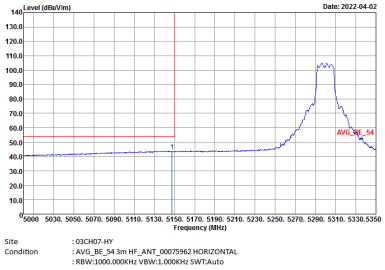
WIFI 802.11a (Band Edge @ 3m)

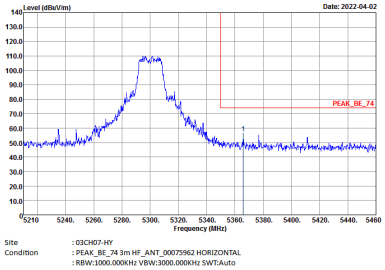
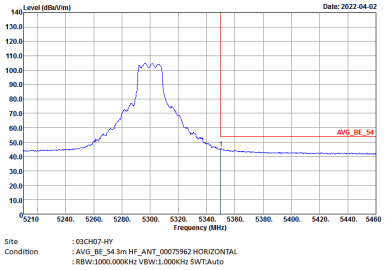
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

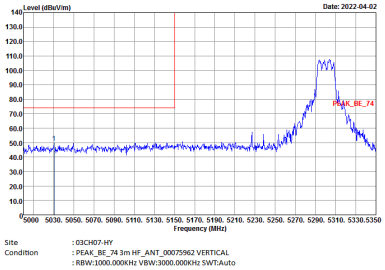
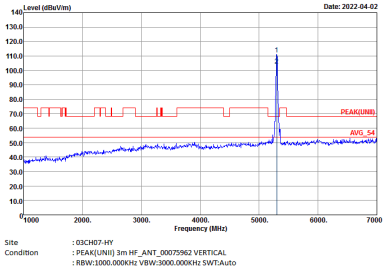
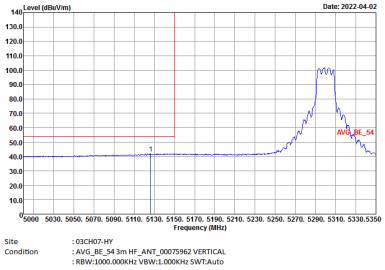
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

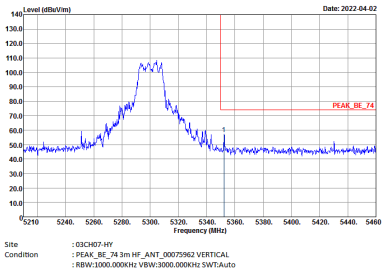
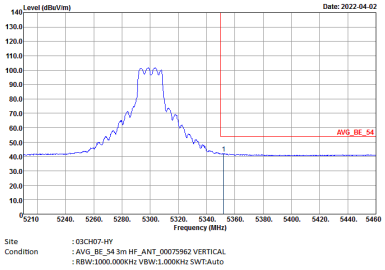
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

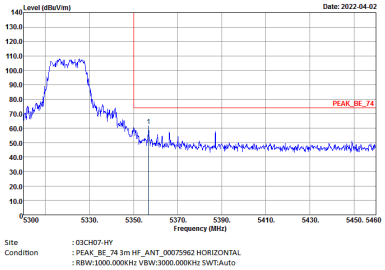
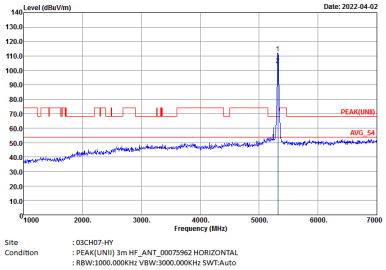
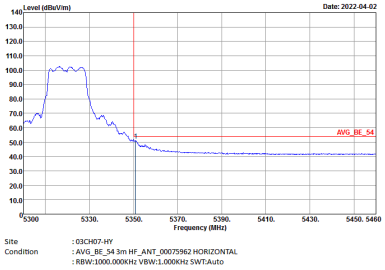
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

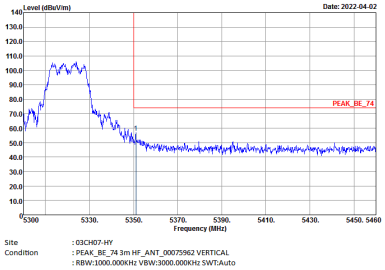
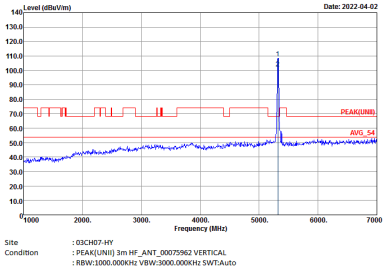
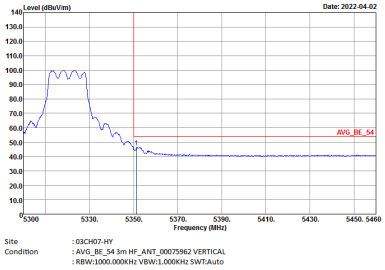
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

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.		Left blank

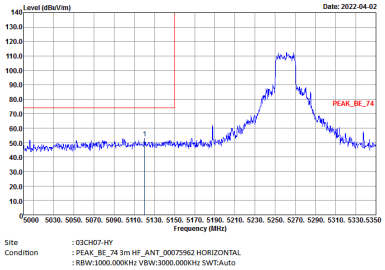
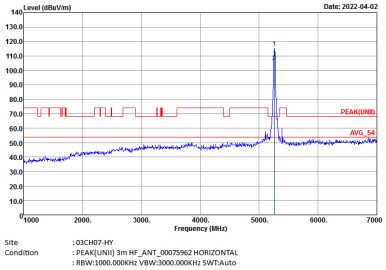
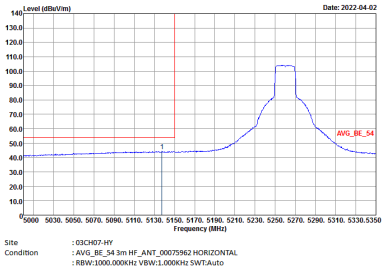
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

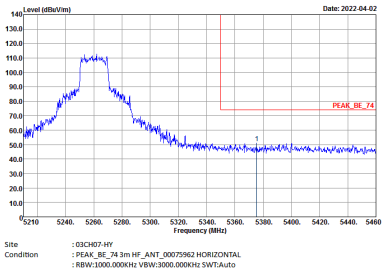
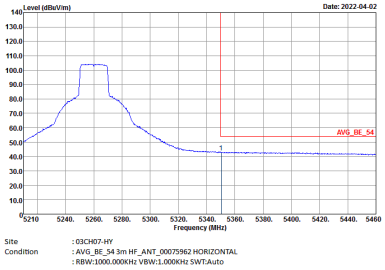
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

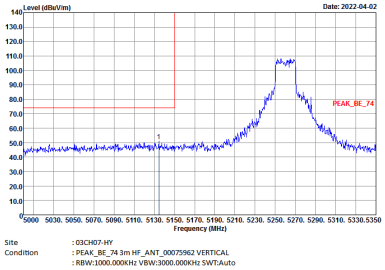
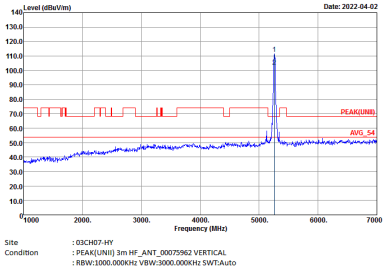
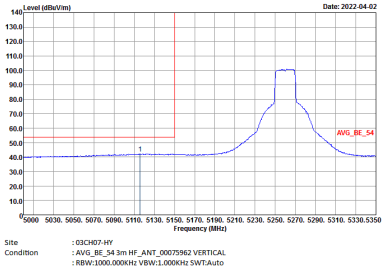
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

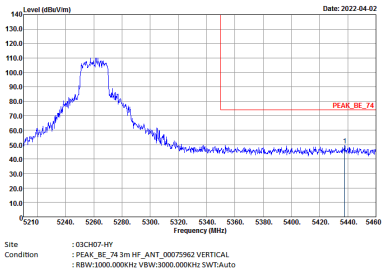
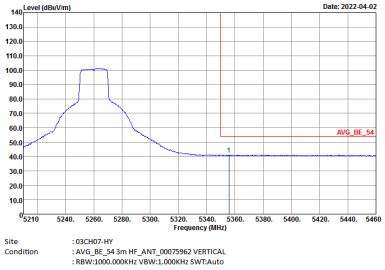
Band 2 5250~5350MHz

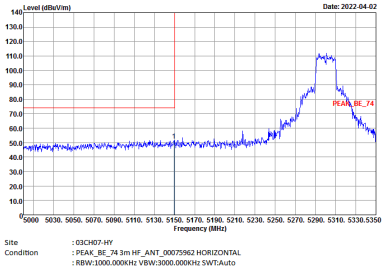
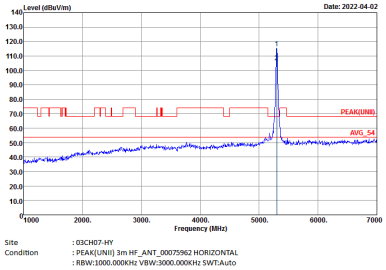
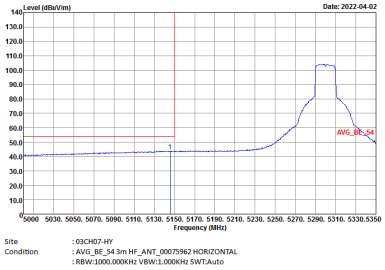
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

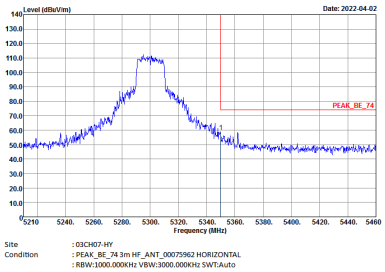
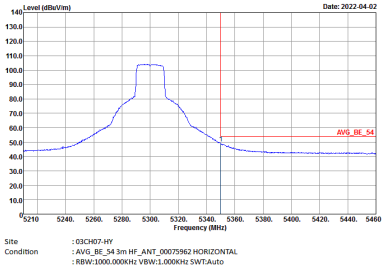
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

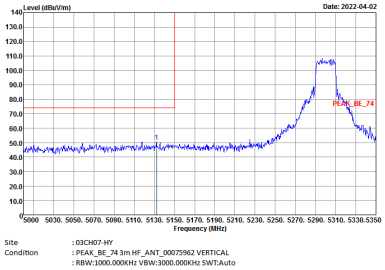
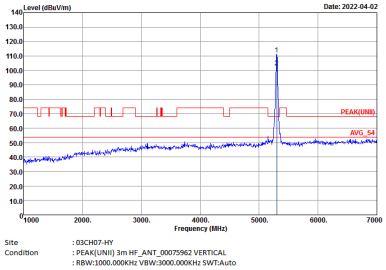
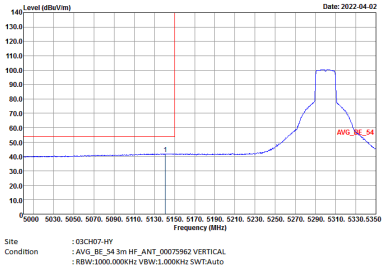
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

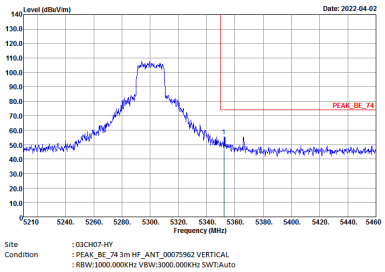
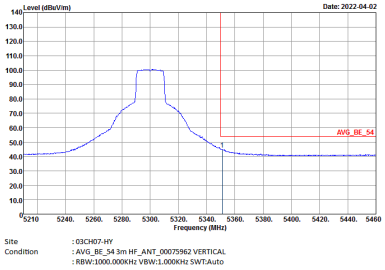
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

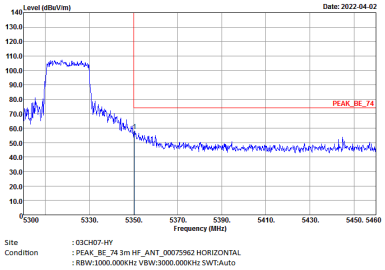
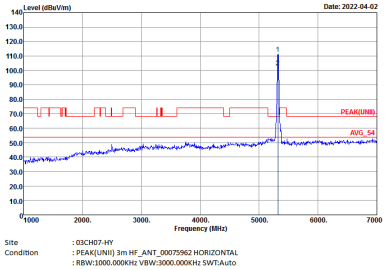
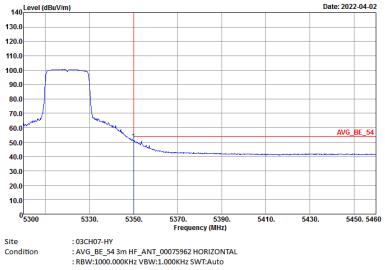
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

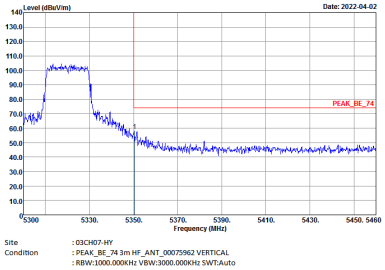
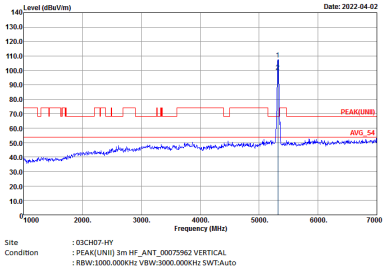
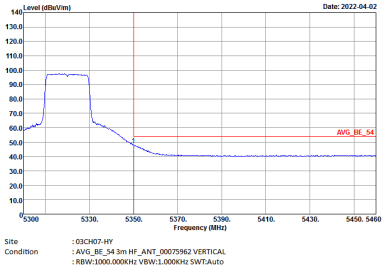
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

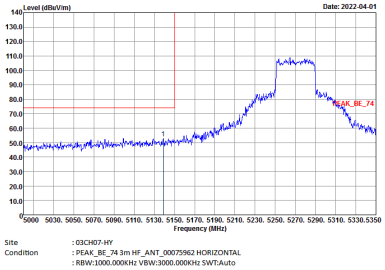
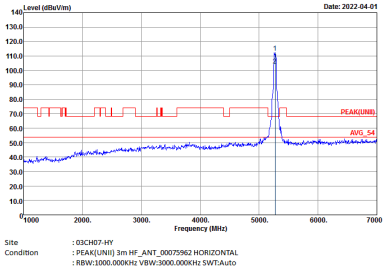
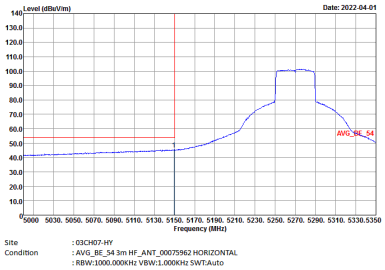
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

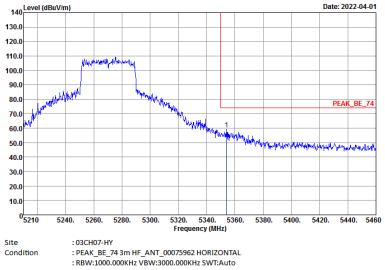
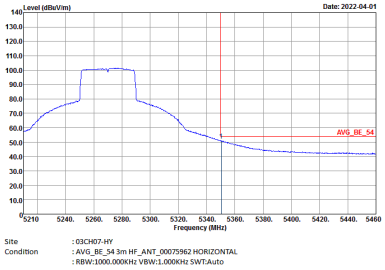
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

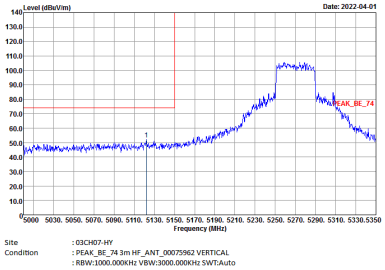
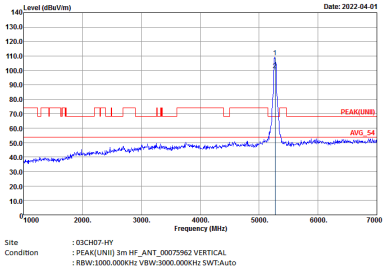
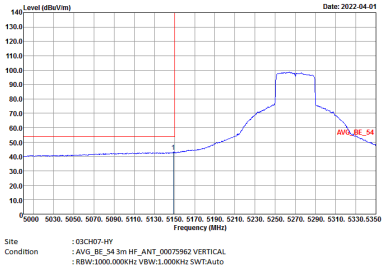
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

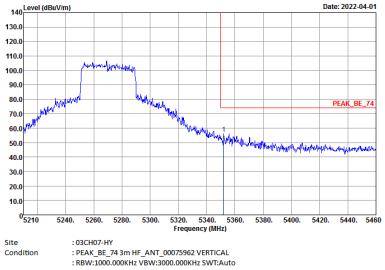
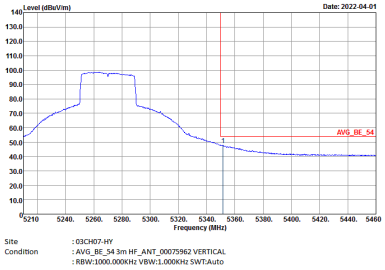
Band 2 - 5250~5350MHz

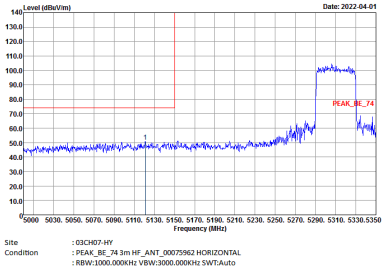
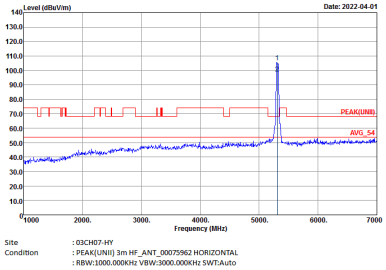
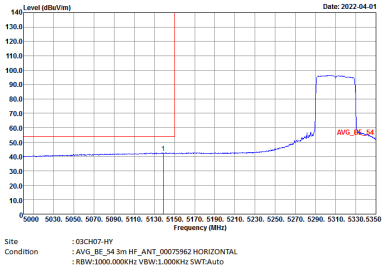
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

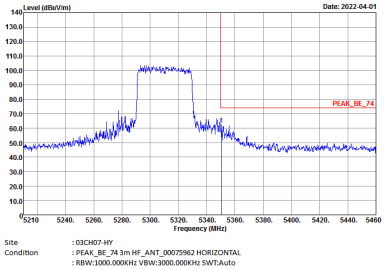
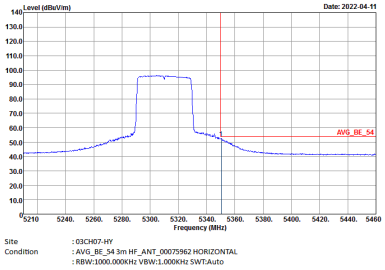
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

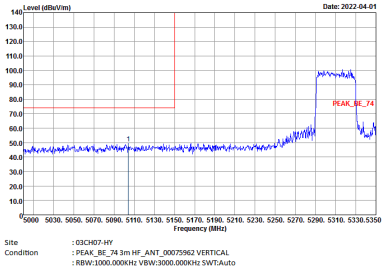
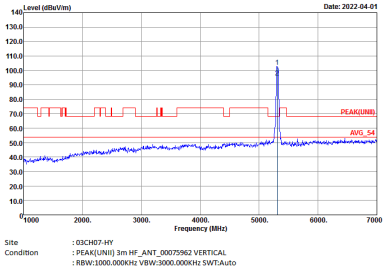
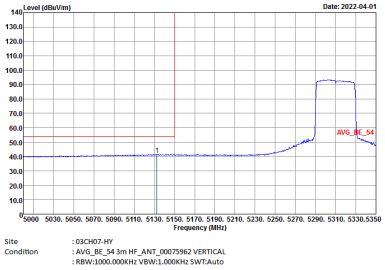
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

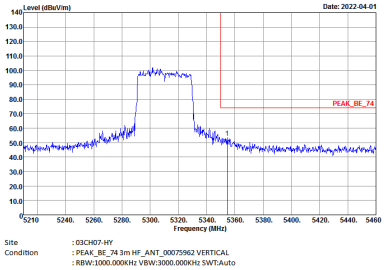
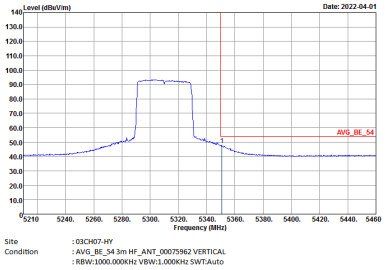
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

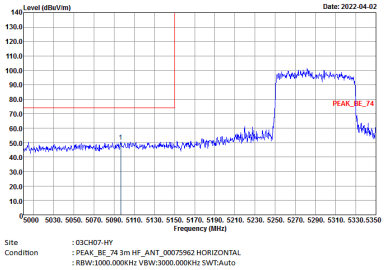
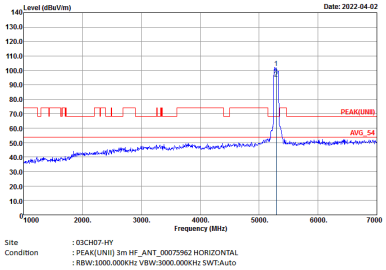
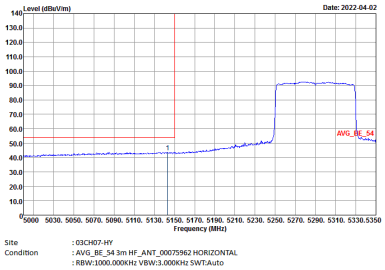
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

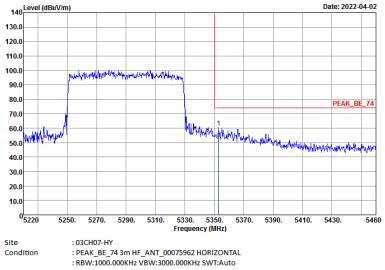
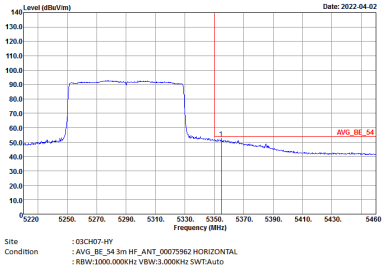
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

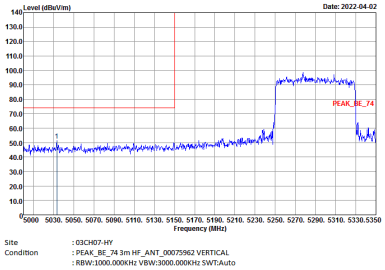
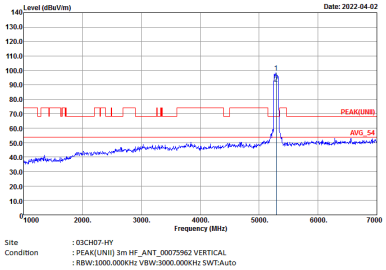
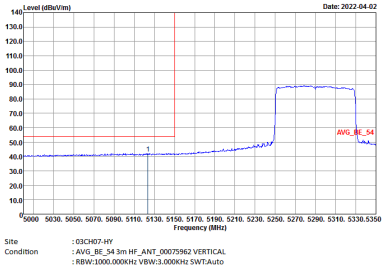
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

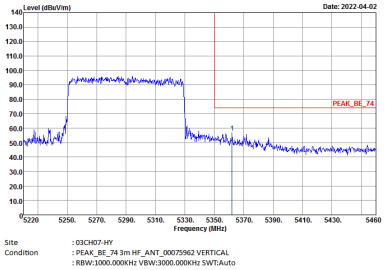
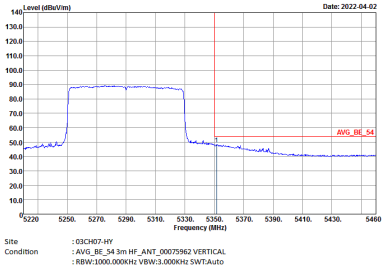
Band 2 5250~5350MHz

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

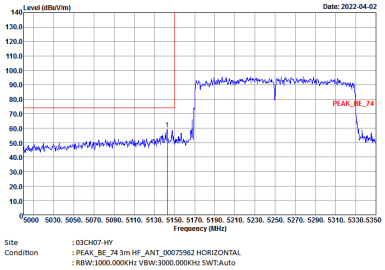
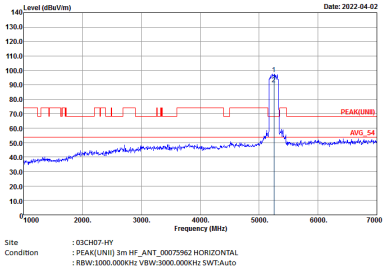
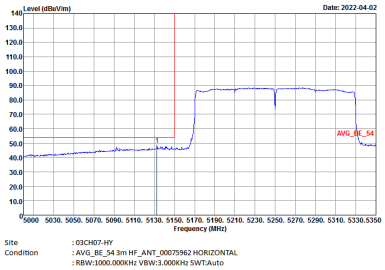
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

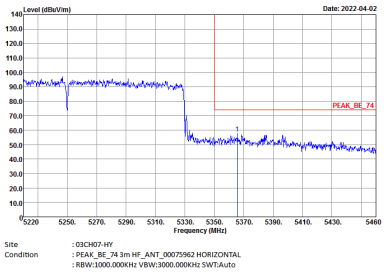
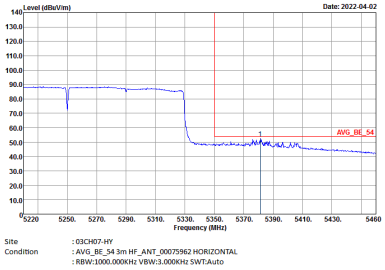
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

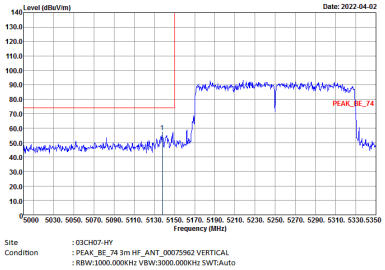
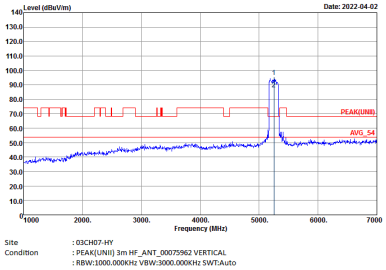
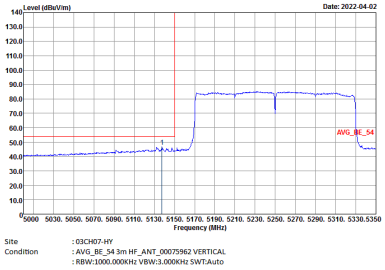
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

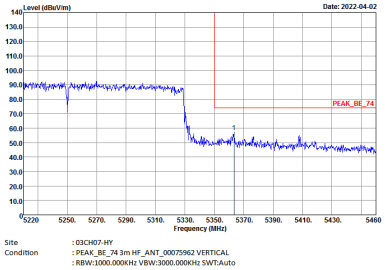
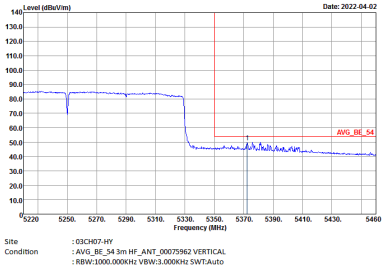
Band 2 5250~5350MHz

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

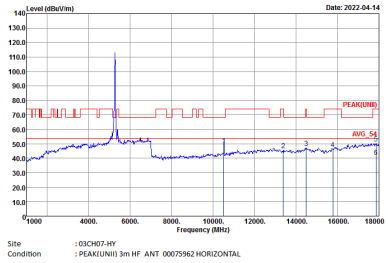
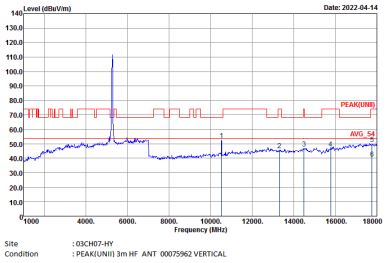
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

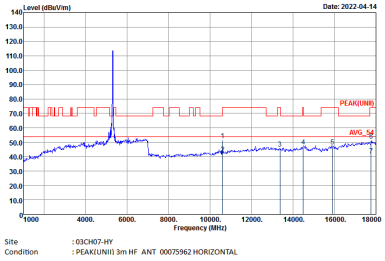
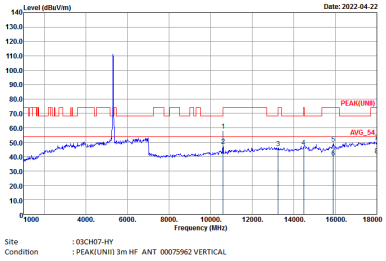
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

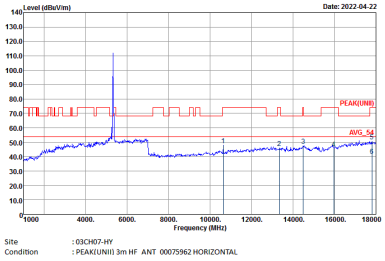
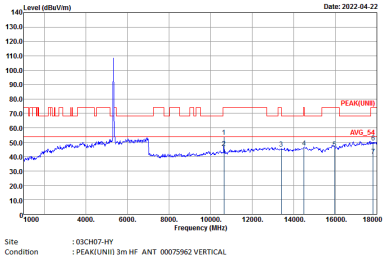
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

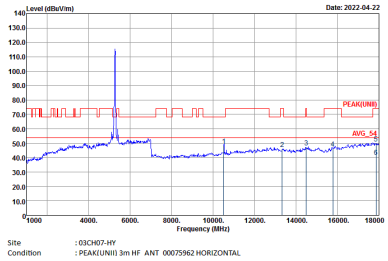
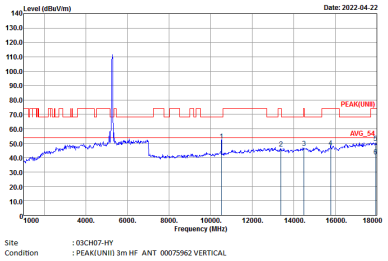
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
4+3	Horizontal	Vertical
Peak Avg.		

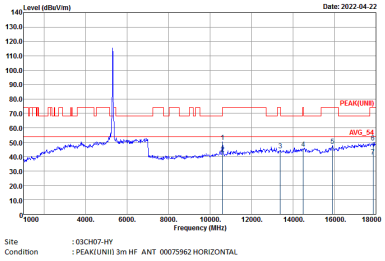
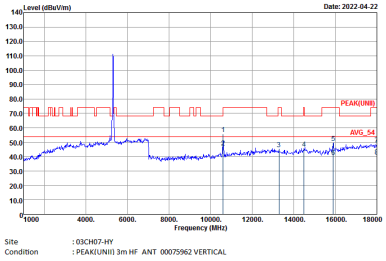
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
4+3	Horizontal	Vertical
Peak Avg.		

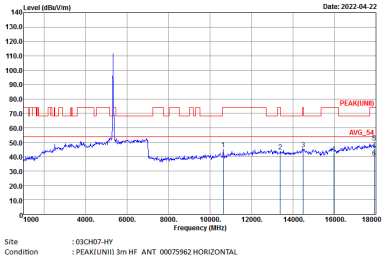
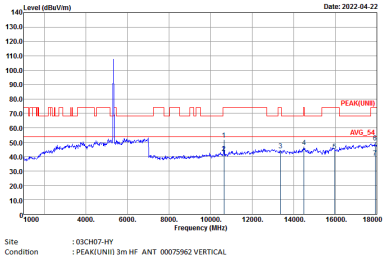
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

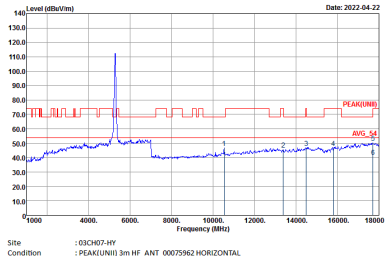
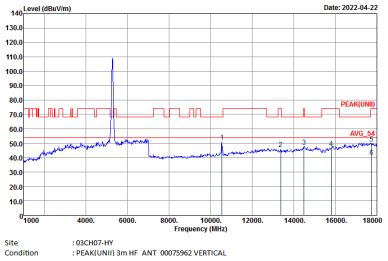
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz	
4+3	Horizontal	Vertical
Peak Avg.		

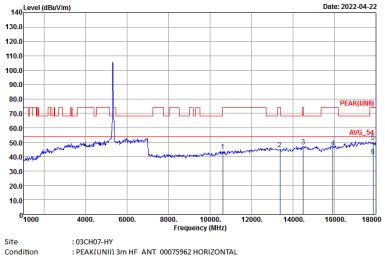
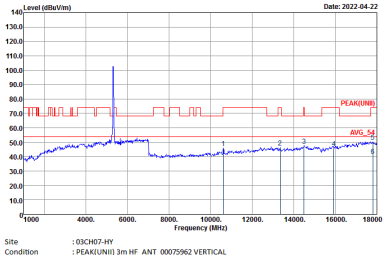
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 2 - 5250~5350MHz

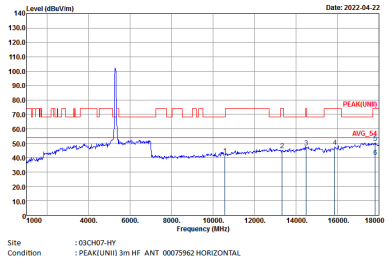
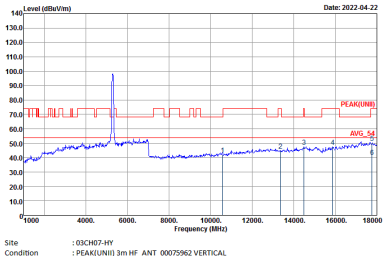
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH54 5270	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH62 5310	
4+3	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz	
4+3	Horizontal	Vertical
Peak Avg.