FCC RADIO TEST REPORT

FCC ID	**:**	**A4RGQML3**
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. 23, 2022 to May 20, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR1O2843-05E	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	1.57 dB under the limit at 5728.280 MHz
3.5	15.207	AC Conducted Emission	Pass	21.09 dB under the limit at 1.473 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: Kaye Yang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Phone
FCC ID	A4RGQML3
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**
23031FDH20007N	RF Conducted Measurement
23121FDH20002A	Radiated Spurious Emission
23121FDH20005C	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: 22.86 dBm / 0.1932 W 802.11n HT40: 23.76 dBm / 0.2377 W 802.11ac VHT20: 22.96 dBm / 0.1977 W 802.11ac VHT40: 23.86 dBm / 0.2432 W 802.11ac VHT80: 18.60 dBm / 0.0724 W 802.11ac VHT160: 17.23 dBm / 0.0528 W 802.11ax HE20: 23.06 dBm / 0.2023 W 802.11ax HE40: 23.91 dBm / 0.2460 W 802.11ax HE80: 18.70 dBm / 0.0741 W 802.11ax HE160: 17.33 dBm / 0.0541 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 4+3>** 802.11a: 22.56 dBm / 0.1803 W 802.11n HT20: 22.91 dBm / 0.1954 W 802.11n HT40: 23.66 dBm / 0.2323 W 802.11ac VHT20: 23.01 dBm / 0.2000 W 802.11ac VHT40: 23.76 dBm / 0.2377 W 802.11ac VHT80: 18.23 dBm / 0.0665 W 802.11ax HE20: 23.11 dBm / 0.2046 W 802.11ax HE40: 23.86 dBm / 0.2432 W 802.11ax HE80: 18.33 dBm / 0.0681 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 4+3>** 802.11a: 22.67 dBm / 0.1849 W 802.11n HT20: 23.23 dBm / 0.2104 W 802.11n HT40: 23.58 dBm / 0.2280 W 802.11ac VHT20: 23.33 dBm / 0.2153 W 802.11ac VHT40: 23.66 dBm / 0.2323 W 802.11ac VHT80: 23.52 dBm / 0.2249 W 802.11ac VHT160: 18.07 dBm / 0.0641 W 802.11ax HE20: 23.43 dBm / 0.2203 W 802.11ax HE40: 23.76 dBm / 0.2377 W 802.11ax HE80: 23.62 dBm / 0.2301 W 802.11ax HE160: 18.17 dBm / 0.0656 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: 18.33 MHz
802.11ax HE20: 19.88 MHz
802.11ax HE40: 48.55 MHz
802.11ax HE80: 77.92 MHz
802.11ax HE160: 156.56 MHz
MIMO <Ant. 3>
802.11a: 17.78 MHz
802.11ax HE20: 19.63 MHz
802.11ax HE40: 40.46 MHz
802.11ax HE80: 77.56 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>: -4.7 dBi
<Ant. 3>: -1.7 dBi
<5260 MHz ~ 5320 MHz>
<Ant. 4>: -6.1 dBi
<Ant. 3>: -2.2 dBi
<5500 MHz ~ 5720 MHz>
<Ant. 4>: -4.0 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 (TAF Code: 1190)
Remark	The Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

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

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

FCC designation No.: TW1190 and TW3786

1.5 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

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-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**
802.11ac VHT160 (Covered by HE160)	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**
802.11ax HE160	**MCS0**

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

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

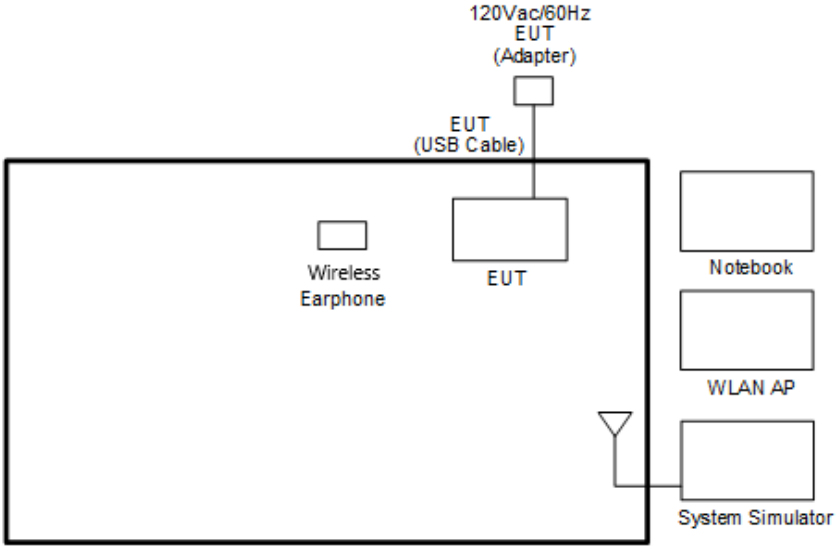
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

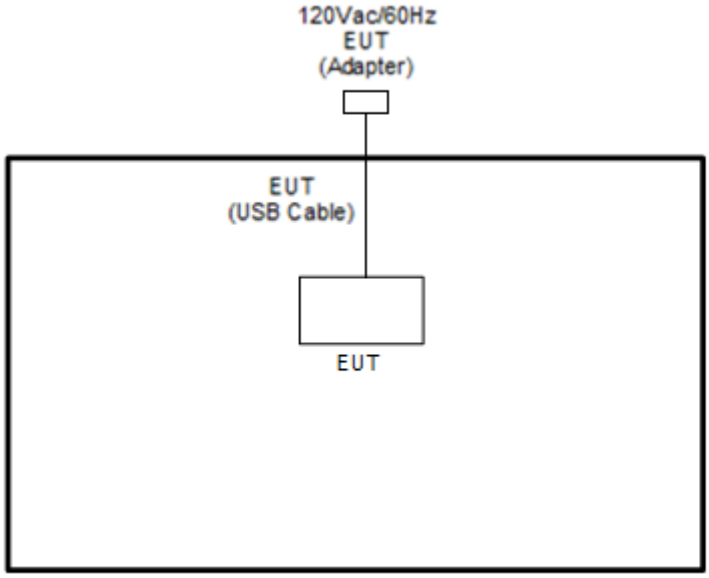
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

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 “adb Command 1.0.36” 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.

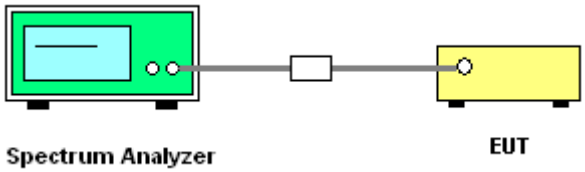
3.1.2 Measuring Instruments

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

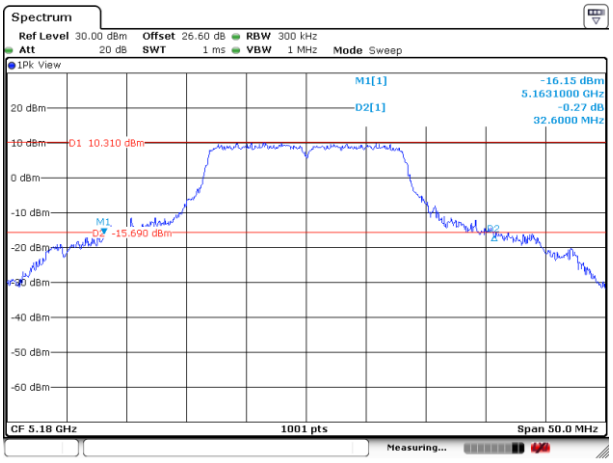
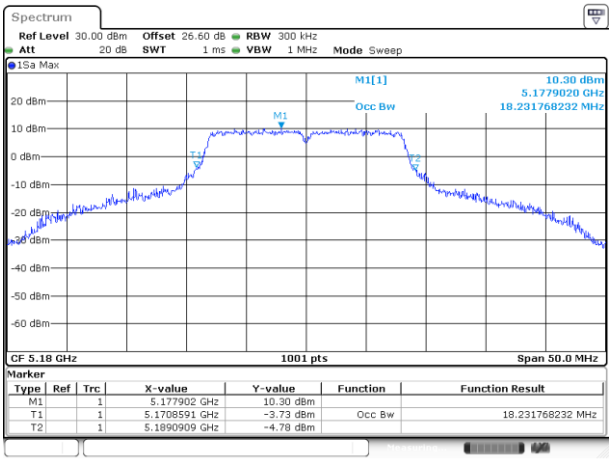


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

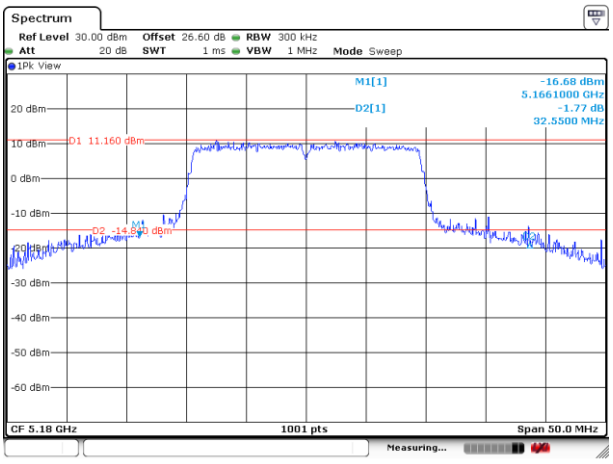
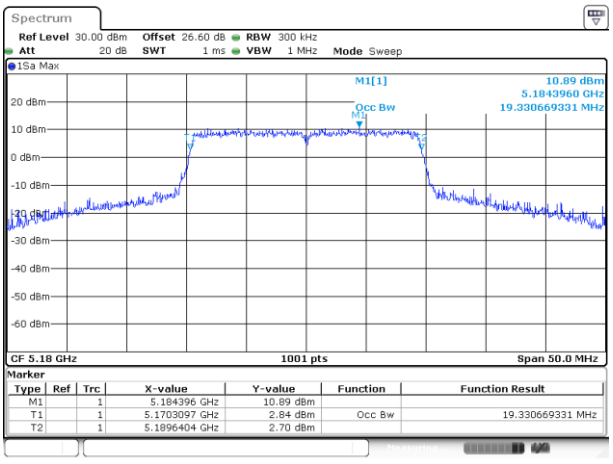
MIMO <Ant. 4+3>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

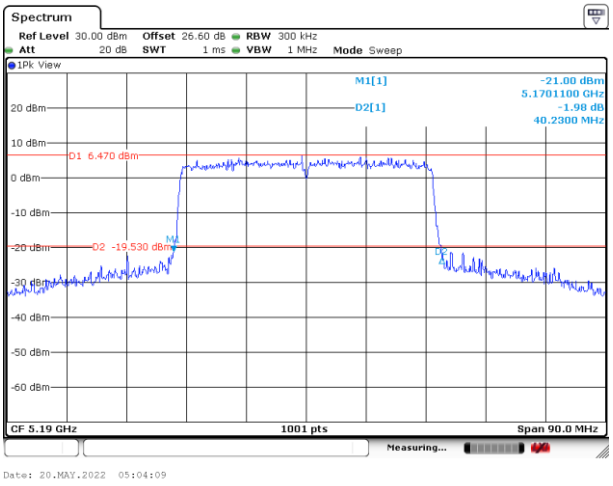
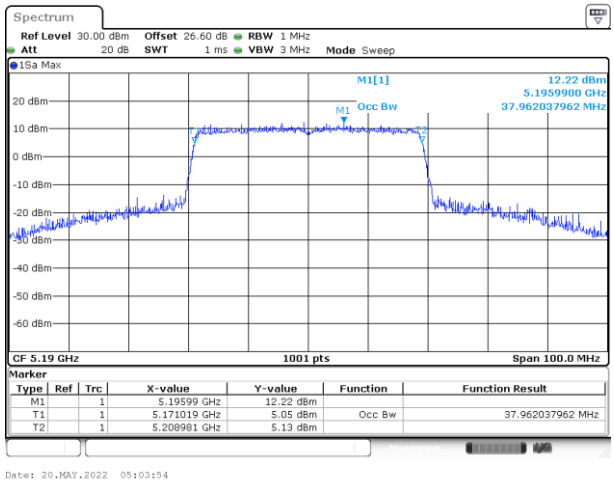
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

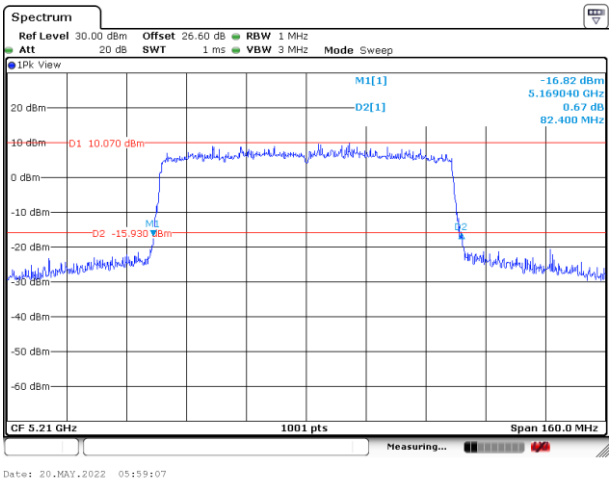
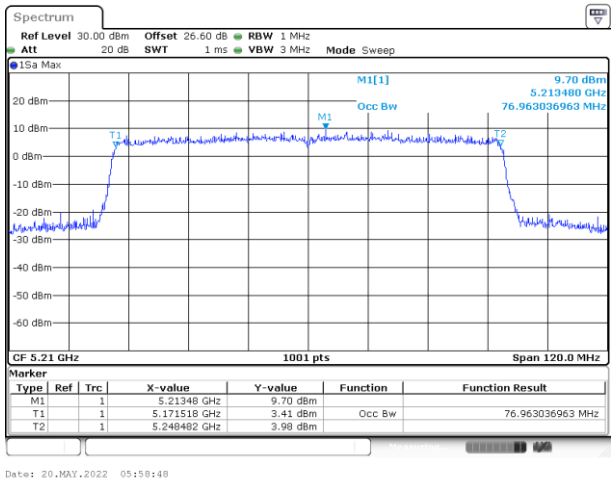
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

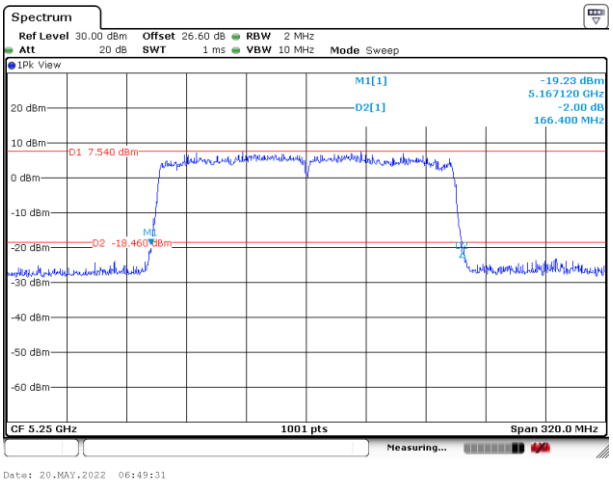
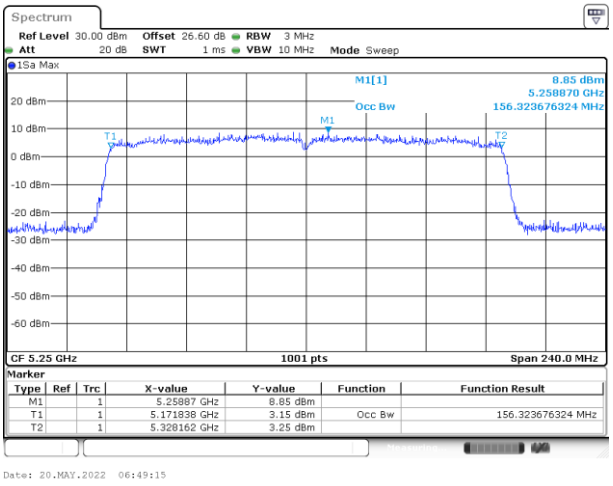
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<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

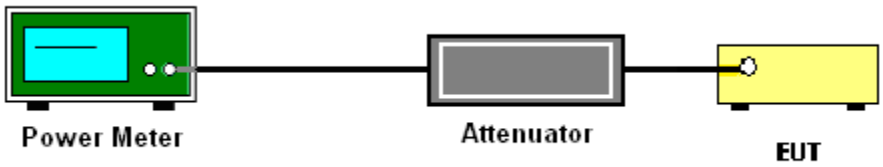
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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).

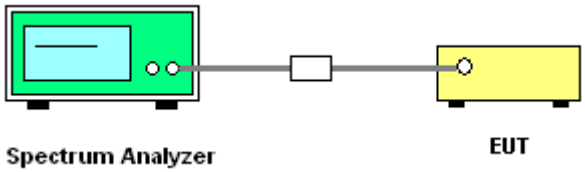
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), 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

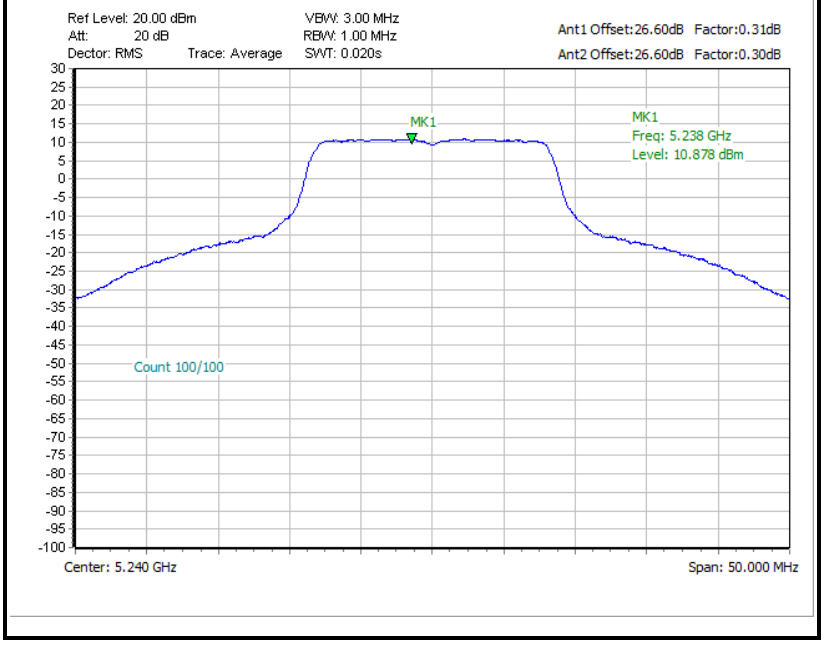


3.3.5 Test Result of Power Spectral Density

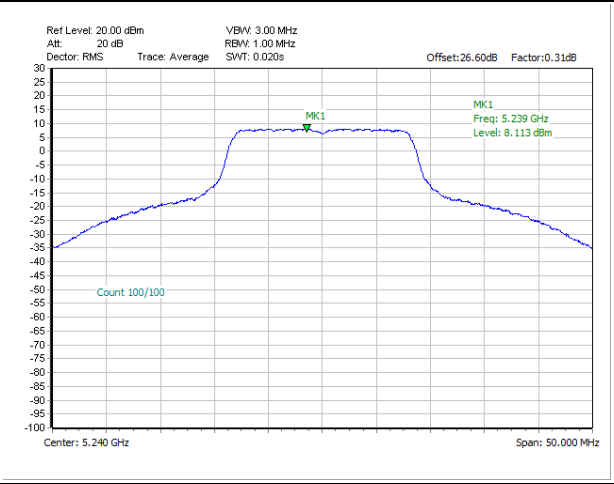
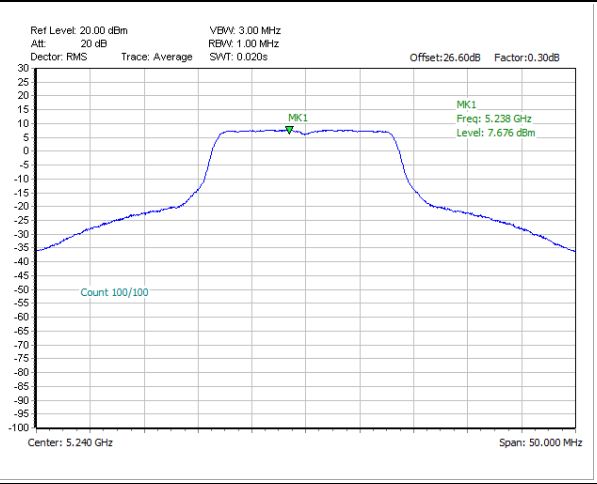
Please refer to Appendix A.

<802.11a>

Maximum Power Density Plot (dBm/MHz)
MIMO <Ant. 4+3>



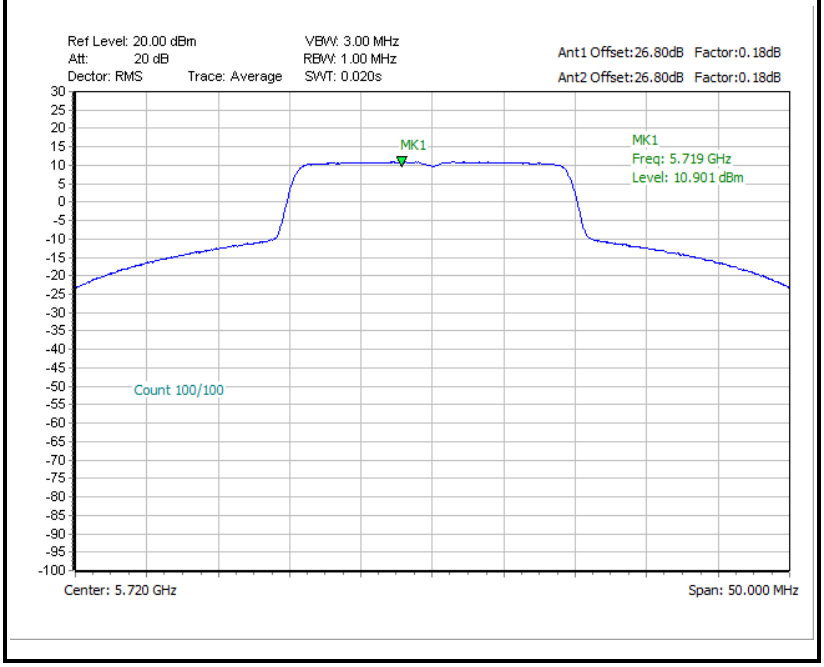
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

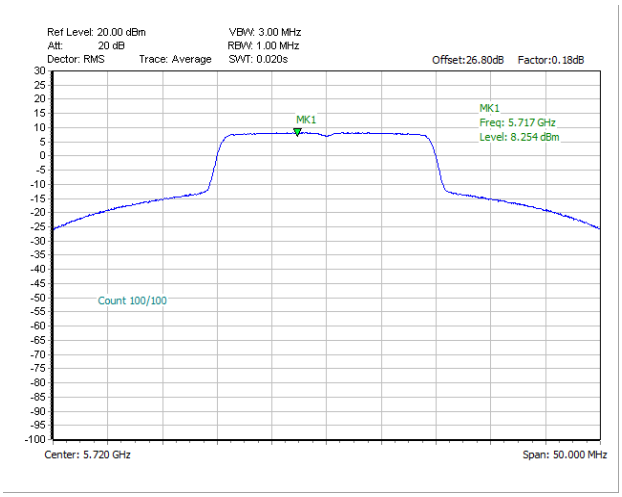
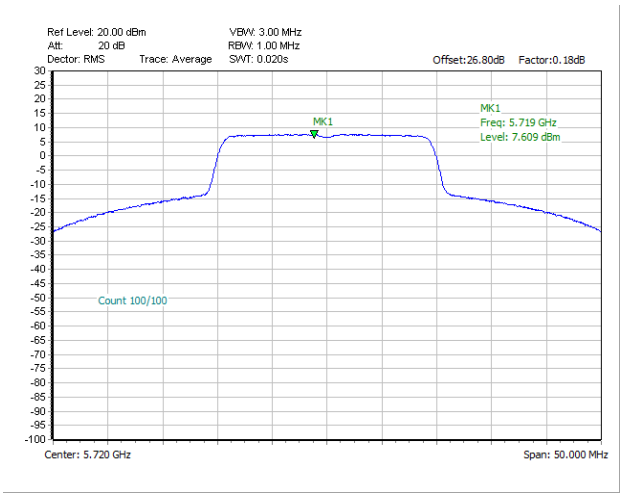
<802.11ax Mode>

<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)
MIMO <Ant. 4+3>

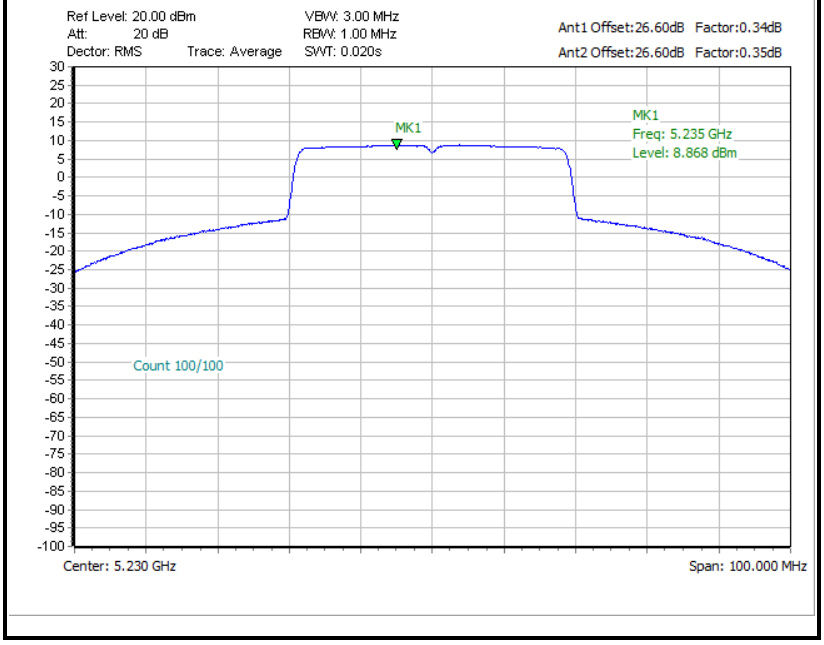


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

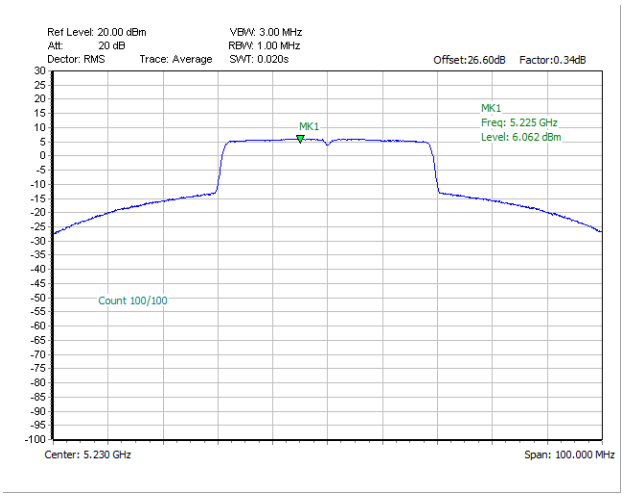
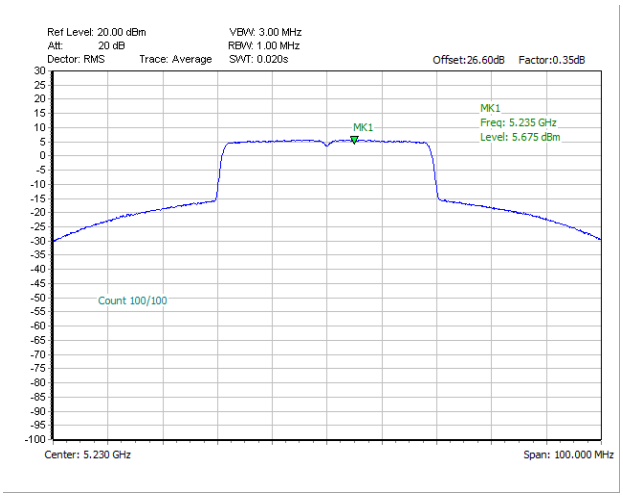
Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)
MIMO <Ant. 4+3>

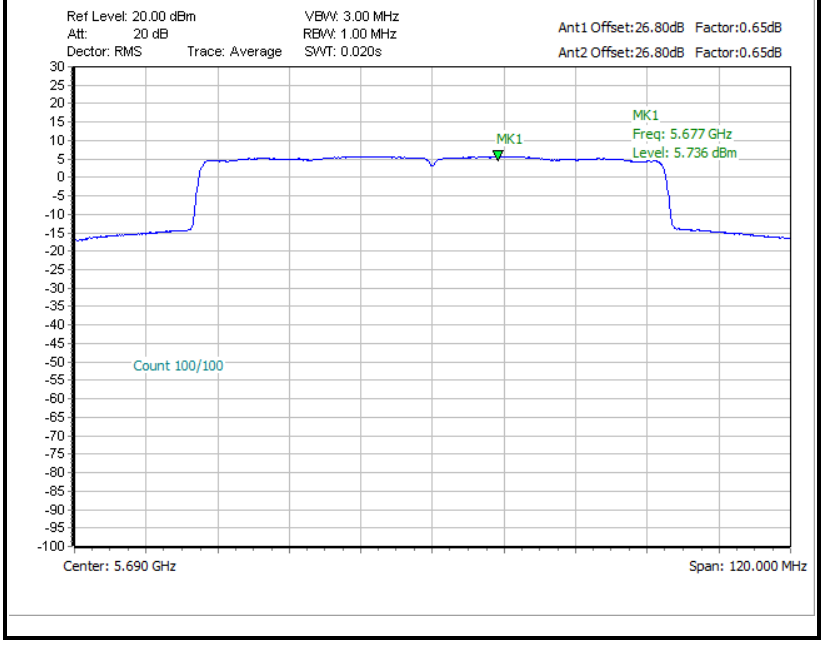


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

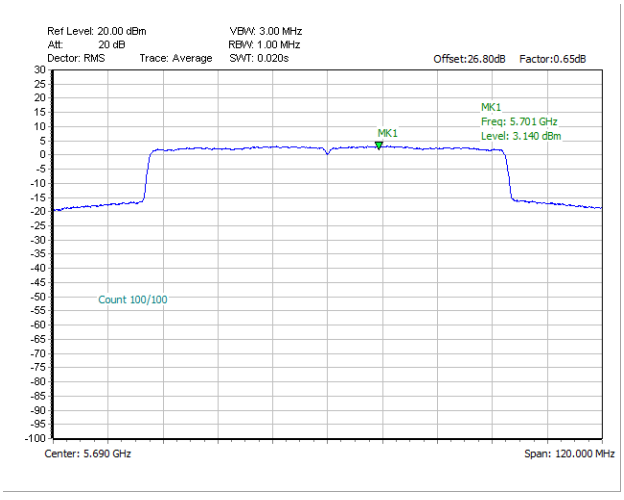
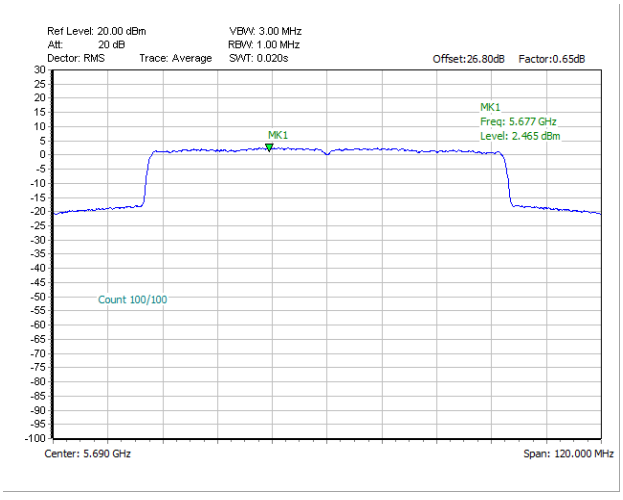
Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)
MIMO <Ant. 4+3>

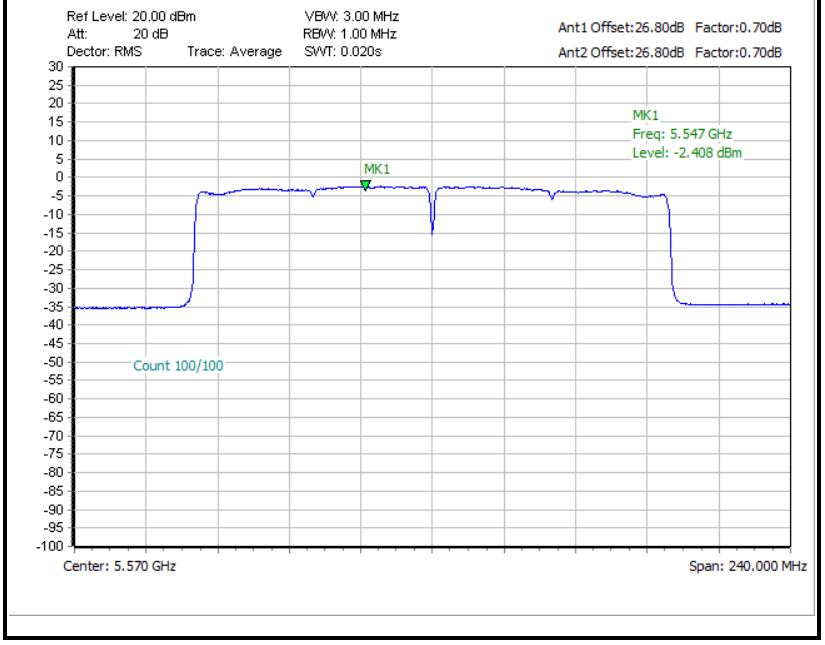


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

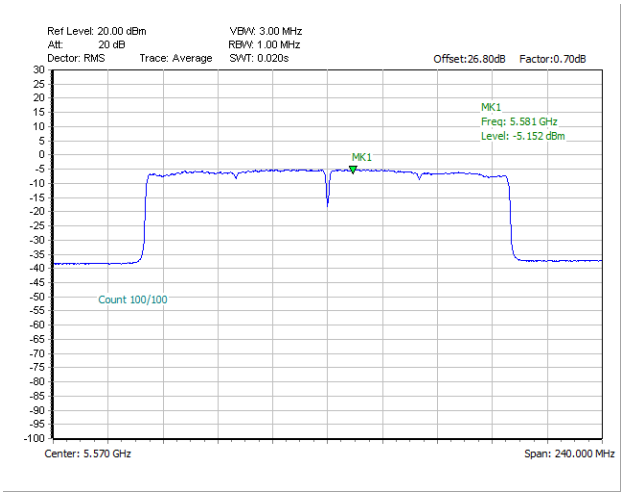
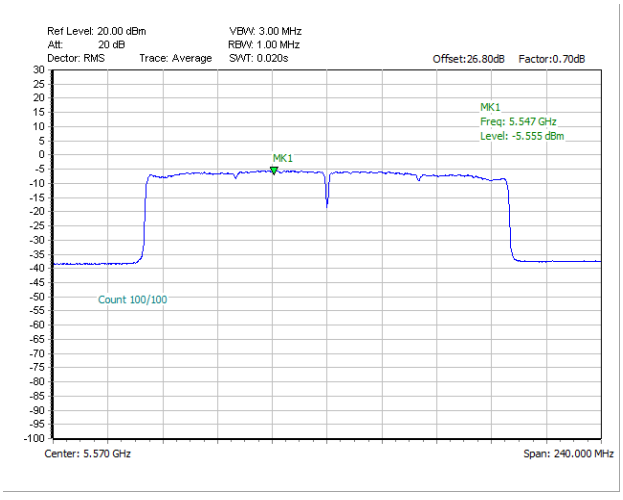
Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)
MIMO <Ant. 4+3>



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)
	

Note: Average Power Density (dB) = Measured value+ Duty Factor

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

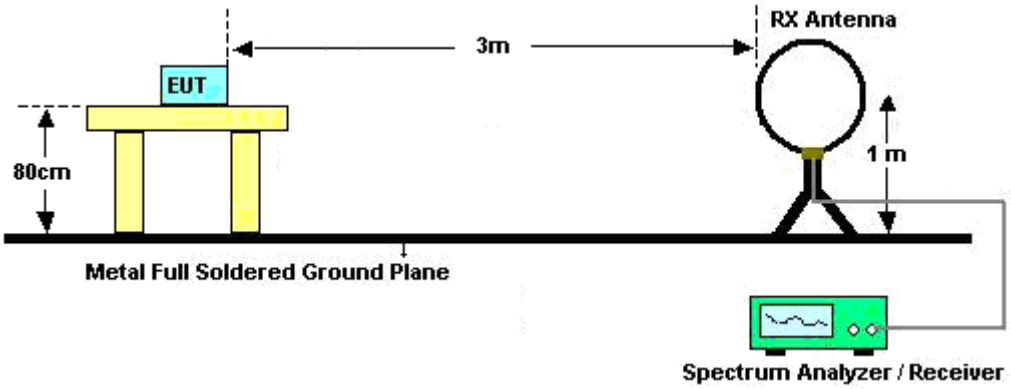
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

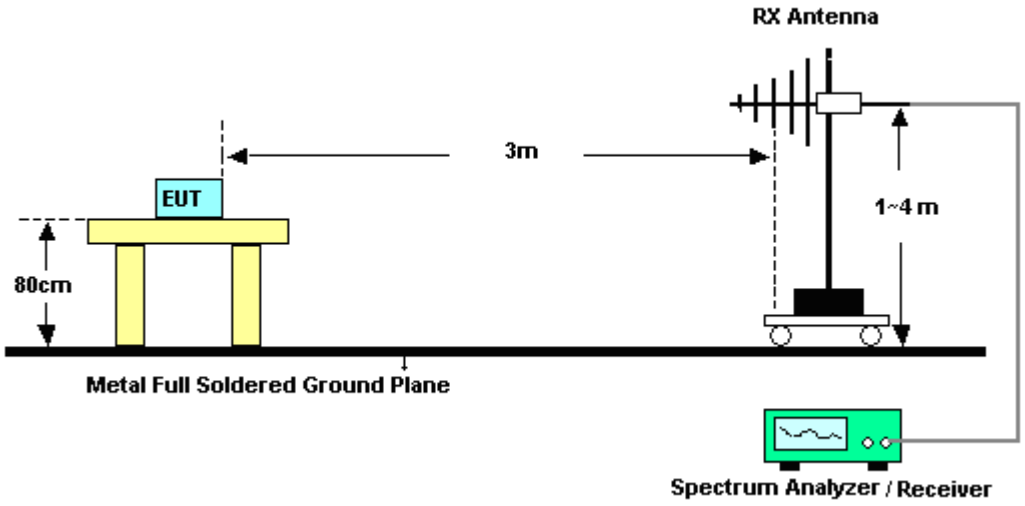
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

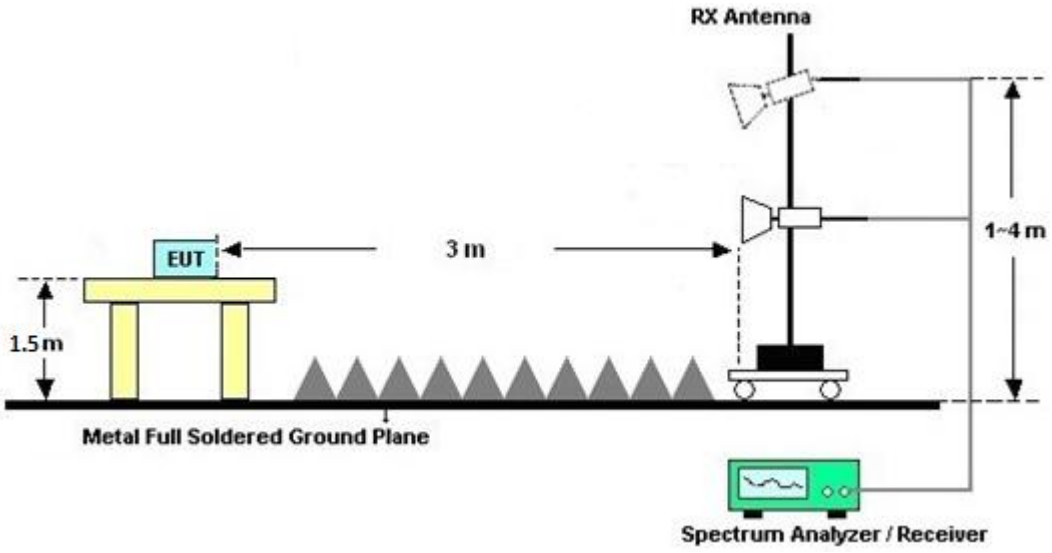
For radiated emissions below 30MHz



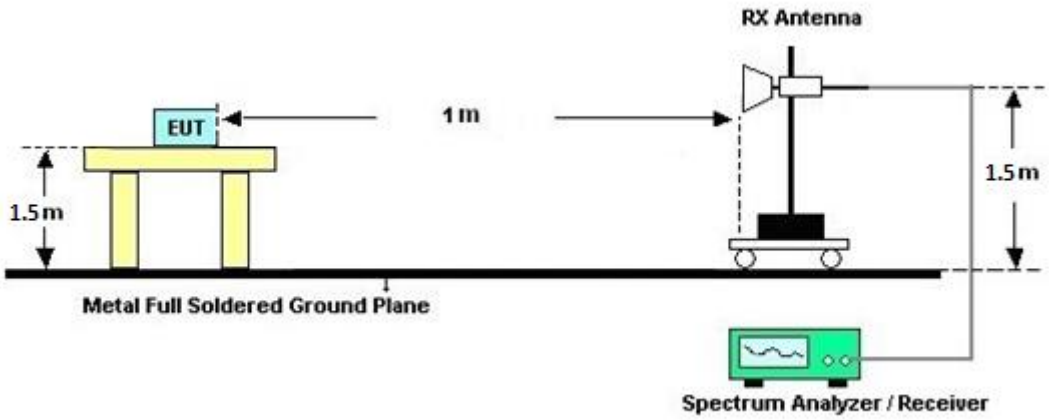
For radiated emissions from 30MHz to 1GHz



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.

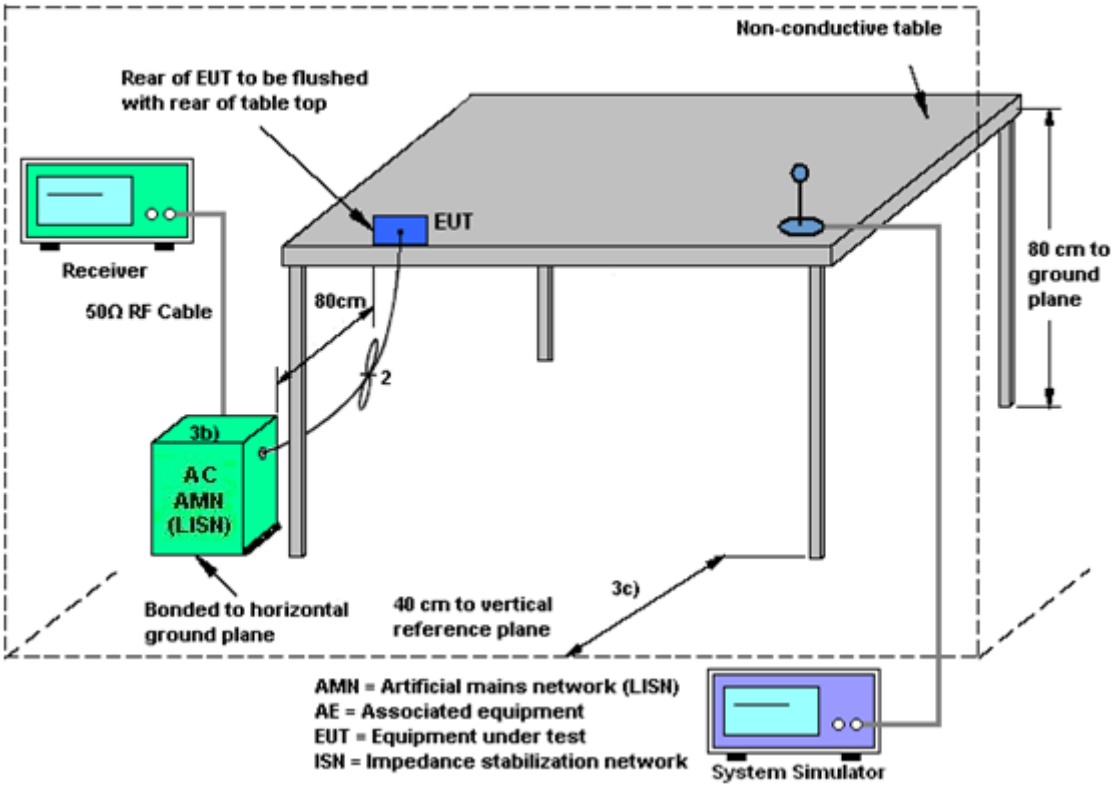
3.5.2 Measuring Instruments

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 “DG” is calculated as following table.

<CDD Modes>						
	Ant. 4 (dBi)	Ant. 3 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-4.70	-1.70	-1.70	-0.06	0.00	0.00
Band II	-6.10	-2.20	-2.20	-0.92	0.00	0.00
Band III	-4.00	-2.80	-2.80	-0.37	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^ (-4.70 dBi / 20) + 10^ (-1.70 dBi / 20)] ^ 2 } / 2 }
= -0.06 dBi

4 List of Measuring Equipment

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. 23, 2022~ May 20, 2022	Nov. 15. 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO12 (NO:113)	10MHz~6GHz	Dec. 16, 2021	Mar. 23, 2022~ May 20, 2022	Dec. 15, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Mar. 23, 2022~ May 20, 2022	Aug. 29, 2022	Conducted (TH05-HY)
Switch Control Mainframe	E-IUSTRUMENT	ETF-1405-0	EC1900067 (BOX7)	N/A	Aug. 12, 2021	Mar. 23, 2022~ May 20, 2022	Aug. 11, 2022	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 07, 2021	Apr. 13, 2022~ May 18, 2022	Sep. 06, 2022	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz to 1GHz	Oct. 09, 2021	Apr. 13, 2022~ May 18, 2022	Oct. 08, 2022	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1G~18GHz	Aug. 04, 2021	Apr. 13, 2022~ May 18, 2022	Aug. 03, 2022	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00993	18GHz ~40GHz	Nov. 30, 2021	Apr. 13, 2022~ May 18, 2022	Nov. 29, 2022	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Jul. 05, 2021	Apr. 13, 2022~ May 18, 2022	Jul. 04, 2022	Radiation (03CH16-HY)
Amplifier	EMCI	EMC051845SE	980729	1-18GHz	Jul. 09, 2021	Apr. 13, 2022~ May 18, 2022	Jul. 08, 2022	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 22, 2021	Apr. 13, 2022~ May 18, 2022	Jun. 21, 2022	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 09, 2021	Apr. 13, 2022~ May 18, 2022	Dec. 08, 2022	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A	MY59053012	3Hz~26.5GHz	Nov. 18, 2021	Apr. 13, 2022~ May 18, 2022	Nov. 17, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/4PE	NA	Aug. 28, 2021	Apr. 13, 2022~ May 18, 2022	Aug. 27, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/4PE	NA	Aug. 28, 2021	Apr. 13, 2022~ May 18, 2022	Aug. 27, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5757	NA	Aug. 28, 2021	Apr. 13, 2022~ May 18, 2022	Aug. 27, 2022	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Apr. 13, 2022~ May 18, 2022	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 13, 2022~ May 18, 2022	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 13, 2022~ May 18, 2022	N/A	Radiation (03CH16-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
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	SCHWARZBECK	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))	**5.8 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.2 dB**

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu	Temperature:	21~25	°C
Test Date:	2022/3/23-2022/5/20	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	18.23	17.33	32.60	30.45	23.39		22.39			
11a	6Mbps	2	44	5220	18.23	17.43	34.10	29.50	23.41		22.41			
11a	6Mbps	2	48	5240	18.33	17.43	34.05	29.60	23.41		22.41			

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	19.40	19.20	22.31	24.00		-1.70			Pass
11a	6Mbps	2	44	5220	19.60	19.30	22.46	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	18.60	18.30	21.46	24.00		-1.70			Pass
HT20	MCS0	2	44	5220	20.00	19.70	22.86	24.00		-1.70			Pass
HT20	MCS0	2	48	5240	19.90	19.80	22.86	24.00		-1.70			Pass
HT40	MCS0	2	38	5190	16.70	15.80	19.28	24.00		-1.70			Pass
HT40	MCS0	2	46	5230	20.90	20.60	23.76	24.00		-1.70			Pass
VHT20	MCS0	2	36	5180	18.70	18.40	21.56	24.00		-1.70			Pass
VHT20	MCS0	2	44	5220	20.10	19.80	22.96	24.00		-1.70			Pass
VHT20	MCS0	2	48	5240	20.00	19.90	22.96	24.00		-1.70			Pass
VHT40	MCS0	2	38	5190	16.80	15.90	19.38	24.00		-1.70			Pass
VHT40	MCS0	2	46	5230	21.00	20.70	23.86	24.00		-1.70			Pass
VHT80	MCS0	2	42	5210	16.10	15.00	18.60	24.00		-1.70			Pass
VHT160	MCS0	2	50	5250	14.60	13.80	17.23	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	0.31	0.30			10.52	11.00		-0.06			Pass
11a	6Mbps	2	44	5220	0.31	0.30			10.78	11.00		-0.06			Pass
11a	6Mbps	2	48	5240	0.31	0.30			10.88	11.00		-0.06			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	17.93	17.48	32.70	30.75	23.43		29.43		23.98		
11a	6Mbps	2	60	5300	18.08	17.58	32.50	30.15	23.45		29.45		23.98		
11a	6Mbps	2	64	5320	18.23	17.48	32.50	30.75	23.43		29.43		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	19.50	19.40	22.46	23.98		-2.20		30	Pass
11a	6Mbps	2	60	5300	19.60	19.50	22.56	23.98		-2.20		30	Pass
11a	6Mbps	2	64	5320	19.60	19.50	22.56	23.98		-2.20		30	Pass
HT20	MCS0	2	52	5260	19.80	19.80	22.81	23.98		-2.20		30	Pass
HT20	MCS0	2	60	5300	20.00	19.80	22.91	23.98		-2.20		30	Pass
HT20	MCS0	2	64	5320	18.90	18.60	21.76	23.98		-2.20		30	Pass
HT40	MCS0	2	54	5270	20.70	20.60	23.66	23.98		-2.20		30	Pass
HT40	MCS0	2	62	5310	16.40	15.90	19.17	23.98		-2.20		30	Pass
VHT20	MCS0	2	52	5260	19.90	19.90	22.91	23.98		-2.20		30	Pass
VHT20	MCS0	2	60	5300	20.10	19.90	23.01	23.98		-2.20		30	Pass
VHT20	MCS0	2	64	5320	19.00	18.70	21.86	23.98		-2.20		30	Pass
VHT40	MCS0	2	54	5270	20.80	20.70	23.76	23.98		-2.20		30	Pass
VHT40	MCS0	2	62	5310	16.50	16.00	19.27	23.98		-2.20		30	Pass
VHT80	MCS0	2	58	5290	15.60	14.80	18.23	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	0.31	0.30			10.74	11.00		-0.92			Pass
11a	6Mbps	2	60	5300	0.31	0.30			10.85	11.00		-0.92			Pass
11a	6Mbps	2	64	5320	0.31	0.30			10.73	11.00		-0.92			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	17.78	17.38	30.60	28.20	23.40		29.40		23.98		----	----
11a	6Mbps	2	116	5580	18.18	17.78	34.05	31.00	23.50		29.50		23.98		----	----
11a	6Mbps	2	140	5700	17.28	17.08	24.30	22.00	23.33		29.33		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	14.04	13.99	21.65	21.40	22.46		28.46		23.98		3.2	3.2

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	19.70	19.30	22.51	23.98		-2.80		30	Pass
11a	6Mbps	2	116	5580	20.00	19.30	22.67	23.98		-2.80		30	Pass
11a	6Mbps	2	140	5700	18.10	17.30	20.73	23.98		-2.80		30	Pass
HT20	MCS0	2	100	5500	18.20	18.00	21.11	23.98		-2.80		30	Pass
HT20	MCS0	2	116	5580	20.30	19.80	23.07	23.98		-2.80		30	Pass
HT20	MCS0	2	140	5700	16.70	15.80	19.28	23.98		-2.80		30	Pass
HT40	MCS0	2	102	5510	14.80	14.60	17.71	23.98		-2.80		30	Pass
HT40	MCS0	2	110	5550	20.70	20.40	23.56	23.98		-2.80		30	Pass
HT40	MCS0	2	134	5670	18.90	18.40	21.67	23.98		-2.80		30	Pass
VHT20	MCS0	2	100	5500	18.30	18.10	21.21	23.98		-2.80		30	Pass
VHT20	MCS0	2	116	5580	20.40	19.90	23.17	23.98		-2.80		30	Pass
VHT20	MCS0	2	140	5700	16.80	15.90	19.38	23.98		-2.80		30	Pass
VHT40	MCS0	2	102	5510	14.90	14.70	17.81	23.98		-2.80		30	Pass
VHT40	MCS0	2	110	5550	20.80	20.50	23.66	23.98		-2.80		30	Pass
VHT40	MCS0	2	134	5670	19.00	18.50	21.77	23.98		-2.80		30	Pass
VHT80	MCS0	2	106	5530	15.20	14.80	18.01	23.98		-2.80		30	Pass
VHT80	MCS0	2	122	5610	20.80	20.20	23.52	23.98		-2.80		30	Pass
VHT160	MCS0	2	114	5570	15.30	14.80	18.07	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	19.80	19.20	22.52	23.98		-2.80		30	Pass
HT20	MCS0	2	144	5720	20.60	19.80	23.23	23.98		-2.80		30	Pass
HT40	MCS0	2	142	5710	21.00	20.10	23.58	23.98		-2.80		30	Pass
VHT20	MCS0	2	144	5720	20.70	19.90	23.33	23.98		-2.80		30	Pass
VHT40	MCS0	2	142	5710	21.00	20.20	23.63	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	0.31	0.30			10.58	11.00		-0.37			Pass
11a	6Mbps	2	116	5580	0.31	0.30			10.75	11.00		-0.37			Pass
11a	6Mbps	2	140	5700	0.31	0.30			8.69	11.00		-0.37			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	0.31	0.30			10.56	11.00		-0.37			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	19.33	19.23	32.55	31.95	23.84		22.84			
HE20	MCS0	2	44	5220	Full	19.88	19.48	41.55	39.85	23.90		22.90			
HE20	MCS0	2	48	5240	Full	19.83	19.53	39.90	36.70	23.91		22.91			
HE40	MCS0	2	38	5190	Full	37.96	37.76	40.23	39.96	23.98		23.01			
HE40	MCS0	2	46	5230	Full	48.55	39.96	81.90	74.61	23.98		23.01			
HE80	MCS0	2	42	5210	Full	76.96	76.96	82.40	82.08	23.98		23.01			
HE160	MCS0	2	50	5250	Full	156.32	156.56	166.40	166.08	23.98		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	18.80	18.50	21.66	24.00		-1.70			Pass
HE20	MCS0	2	36	5180	26/0	9.40	9.00	12.21	24.00		-1.70			Pass
HE20	MCS0	2	36	5180	52/37	12.50	11.80	15.17	24.00		-1.70			Pass
HE20	MCS0	2	36	5180	106/53	15.20	14.70	17.97	24.00		-1.70			Pass
HE20	MCS0	2	44	5220	Full	20.20	19.90	23.06	24.00		-1.70			Pass
HE20	MCS0	2	44	5220	26/4	12.10	11.00	14.60	24.00		-1.70			Pass
HE20	MCS0	2	44	5220	52/39	13.80	13.00	16.43	24.00		-1.70			Pass
HE20	MCS0	2	44	5220	106/53	16.80	16.30	19.57	24.00		-1.70			Pass
HE20	MCS0	2	48	5240	Full	20.10	20.00	23.06	24.00		-1.70			Pass
HE20	MCS0	2	48	5240	26/8	10.90	10.10	13.53	24.00		-1.70			Pass
HE20	MCS0	2	48	5240	52/40	13.90	13.10	16.53	24.00		-1.70			Pass
HE20	MCS0	2	48	5240	106/54	16.80	16.30	19.57	24.00		-1.70			Pass
HE40	MCS0	2	38	5190	Full	16.90	16.00	19.48	24.00		-1.70			Pass
HE40	MCS0	2	46	5230	Full	21.00	20.80	23.91	24.00		-1.70			Pass
HE80	MCS0	2	42	5210	Full	16.20	15.10	18.70	24.00		-1.70			Pass
HE160	MCS0	2	50	5250	Full	14.70	13.90	17.33	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			9.24	11.00		-0.06			Pass
HE20	MCS0	2	36	5180	26/0	0.48	0.49			8.80	11.00		-0.06			Pass
HE20	MCS0	2	36	5180	52/37	0.52	0.52			8.78	11.00		-0.06			Pass
HE20	MCS0	2	36	5180	106/53	0.58	0.60			8.93	11.00		-0.06			Pass
HE20	MCS0	2	44	5220	Full	0.18	0.18			10.72	11.00		-0.06			Pass
HE20	MCS0	2	44	5220	26/4	0.48	0.49			10.38	11.00		-0.06			Pass
HE20	MCS0	2	44	5220	52/39	0.52	0.52			10.37	11.00		-0.06			Pass
HE20	MCS0	2	44	5220	106/53	0.58	0.60			10.71	11.00		-0.06			Pass
HE20	MCS0	2	48	5240	Full	0.18	0.18			10.71	11.00		-0.06			Pass
HE20	MCS0	2	48	5240	26/8	0.48	0.49			10.39	11.00		-0.06			Pass
HE20	MCS0	2	48	5240	52/40	0.52	0.52			10.42	11.00		-0.06			Pass
HE20	MCS0	2	48	5240	106/54	0.58	0.60			10.65	11.00		-0.06			Pass
HE40	MCS0	2	38	5190	Full	0.34	0.35			4.13	11.00		-0.06			Pass
HE40	MCS0	2	46	5230	Full	0.34	0.35			8.87	11.00		-0.06			Pass
HE80	MCS0	2	42	5210	Full	0.65	0.65			0.95	11.00		-0.06			Pass
HE160	MCS0	2	50	5250	Full	0.70	0.70			-3.70	11.00		-0.06			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	19.83	19.48	40.75	39.25	23.90		29.90		23.98		
HE20	MCS0	2	60	5300	Full	19.78	19.48	37.15	33.20	23.90		29.90		23.98		
HE20	MCS0	2	64	5320	Full	19.38	19.28	32.90	28.35	23.85		29.85		23.98		
HE40	MCS0	2	54	5270	Full	46.95	40.46	80.64	80.37	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.96	37.76	40.41	39.96	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.96	77.08	82.56	81.92	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	20.00	20.00	23.01	23.98		-2.20		30	Pass
HE20	MCS0	2	52	5260	26/0	10.70	10.50	13.61	23.98		-2.20		30	Pass
HE20	MCS0	2	52	5260	52/37	13.70	13.40	16.56	23.98		-2.20		30	Pass
HE20	MCS0	2	52	5260	106/53	16.60	16.50	19.56	23.98		-2.20		30	Pass
HE20	MCS0	2	60	5300	Full	20.20	20.00	23.11	23.98		-2.20		30	Pass
HE20	MCS0	2	60	5300	26/4	12.20	11.40	14.83	23.98		-2.20		30	Pass
HE20	MCS0	2	60	5300	52/39	13.80	13.20	16.52	23.98		-2.20		30	Pass
HE20	MCS0	2	60	5300	106/54	16.70	16.60	19.66	23.98		-2.20		30	Pass
HE20	MCS0	2	64	5320	Full	19.00	18.80	21.91	23.98		-2.20		30	Pass
HE20	MCS0	2	64	5320	26/8	10.00	9.40	12.72	23.98		-2.20		30	Pass
HE20	MCS0	2	64	5320	52/40	12.40	11.80	15.12	23.98		-2.20		30	Pass
HE20	MCS0	2	64	5320	106/54	15.30	15.20	18.26	23.98		-2.20		30	Pass
HE40	MCS0	2	54	5270	Full	20.90	20.80	23.86	23.98		-2.20		30	Pass
HE40	MCS0	2	62	5310	Full	16.60	16.10	19.37	23.98		-2.20		30	Pass
HE80	MCS0	2	58	5290	Full	15.70	14.90	18.33	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			10.54	11.00		-0.92			Pass
HE20	MCS0	2	52	5260	26/0	0.48	0.49			10.38	11.00		-0.92			Pass
HE20	MCS0	2	52	5260	52/37	0.52	0.52			10.39	11.00		-0.92			Pass
HE20	MCS0	2	52	5260	106/53	0.58	0.60			10.41	11.00		-0.92			Pass
HE20	MCS0	2	60	5300	Full	0.18	0.18			10.73	11.00		-0.92			Pass
HE20	MCS0	2	60	5300	26/4	0.48	0.49			10.49	11.00		-0.92			Pass
HE20	MCS0	2	60	5300	52/39	0.52	0.52			10.43	11.00		-0.92			Pass
HE20	MCS0	2	60	5300	106/54	0.58	0.60			10.58	11.00		-0.92			Pass
HE20	MCS0	2	64	5320	Full	0.18	0.18			9.46	11.00		-0.92			Pass
HE20	MCS0	2	64	5320	26/8	0.48	0.49			9.34	11.00		-0.92			Pass
HE20	MCS0	2	64	5320	52/40	0.52	0.52			9.12	11.00		-0.92			Pass
HE20	MCS0	2	64	5320	106/54	0.58	0.60			9.01	11.00		-0.92			Pass
HE40	MCS0	2	54	5270	Full	0.34	0.35			8.73	11.00		-0.92			Pass
HE40	MCS0	2	62	5310	Full	0.34	0.35			4.03	11.00		-0.92			Pass
HE80	MCS0	2	58	5290	Full	0.65	0.65			0.38	11.00		-0.92			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	19.23	19.18	25.00	22.70	23.83		29.83		23.98		----	----
HE20	MCS0	2	116	5580	Full	19.88	19.63	42.35	40.35	23.93		29.93		23.98		----	----
HE20	MCS0	2	140	5700	Full	19.13	19.18	21.75	21.80	23.82		29.82		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.86	37.76	40.23	39.87	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	41.16	38.76	77.22	74.88	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	38.56	38.26	68.76	57.15	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.08	76.96	82.24	82.08	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.92	77.56	152.32	146.08	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.56	156.32	166.08	166.40	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	15.14	15.04	24.10	26.55	22.77		28.77		23.98		4.551	4.45
HE40	MCS0	2	142	5710	Full	37.18	34.98	56.67	52.98	23.98		30.00		23.98		3.72	3.9
HE80	MCS0	2	138	5690	Full	74.08	73.96	111.96	109.81	23.98		30.00		23.98		3.082	2.922

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	18.40	18.20	21.31	23.98		-2.80		30	Pass
HE20	MCS0	2	100	5500	26/0	8.90	8.70	11.81	23.98		-2.80		30	Pass
HE20	MCS0	2	100	5500	52/37	12.30	11.70	15.02	23.98		-2.80		30	Pass
HE20	MCS0	2	100	5500	106/53	15.00	15.00	18.01	23.98		-2.80		30	Pass
HE20	MCS0	2	116	5580	Full	20.50	20.00	23.27	23.98		-2.80		30	Pass
HE20	MCS0	2	116	5580	26/4	12.50	11.70	15.13	23.98		-2.80		30	Pass
HE20	MCS0	2	116	5580	52/38	14.20	13.30	16.78	23.98		-2.80		30	Pass
HE20	MCS0	2	116	5580	106/53	17.00	16.60	19.81	23.98		-2.80		30	Pass
HE20	MCS0	2	140	5700	Full	16.90	16.00	19.48	23.98		-2.80		30	Pass
HE20	MCS0	2	140	5700	26/8	7.70	6.80	10.28	23.98		-2.80		30	Pass
HE20	MCS0	2	140	5700	52/40	10.00	9.30	12.67	23.98		-2.80		30	Pass
HE20	MCS0	2	140	5700	106/54	12.80	12.50	15.66	23.98		-2.80		30	Pass
HE40	MCS0	2	102	5510	Full	15.00	14.80	17.91	23.98		-2.80		30	Pass
HE40	MCS0	2	110	5550	Full	20.90	20.60	23.76	23.98		-2.80		30	Pass
HE40	MCS0	2	134	5670	Full	19.00	18.60	21.81	23.98		-2.80		30	Pass
HE80	MCS0	2	106	5530	Full	15.30	14.90	18.11	23.98		-2.80		30	Pass
HE80	MCS0	2	122	5610	Full	20.90	20.30	23.62	23.98		-2.80		30	Pass
HE160	MCS0	2	114	5570	Full	15.40	14.90	18.17	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	20.80	20.00	23.43	23.98		-2.80		30	Pass
HE20	MCS0	2	144	5720	26/8	11.20	10.50	13.87	23.98		-2.80		30	Pass
HE20	MCS0	2	144	5720	52/40	14.50	13.70	17.13	23.98		-2.80		30	Pass
HE20	MCS0	2	144	5720	106/54	17.10	17.00	20.06	23.98		-2.80		30	Pass
HE40	MCS0	2	142	5710	Full	21.00	20.30	23.67	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			8.83	11.00		-0.37			Pass
HE20	MCS0	2	100	5500	26/0	0.48	0.49			8.46	11.00		-0.37			Pass
HE20	MCS0	2	100	5500	52/37	0.52	0.52			8.79	11.00		-0.37			Pass
HE20	MCS0	2	100	5500	106/53	0.58	0.60			8.76	11.00		-0.37			Pass
HE20	MCS0	2	116	5580	Full	0.18	0.18			10.81	11.00		-0.37			Pass
HE20	MCS0	2	116	5580	26/4	0.48	0.49			10.66	11.00		-0.37			Pass
HE20	MCS0	2	116	5580	52/38	0.52	0.52			10.46	11.00		-0.37			Pass
HE20	MCS0	2	116	5580	106/53	0.58	0.60			10.62	11.00		-0.37			Pass
HE20	MCS0	2	140	5700	Full	0.18	0.18			6.85	11.00		-0.37			Pass
HE20	MCS0	2	140	5700	26/8	0.48	0.49			6.50	11.00		-0.37			Pass
HE20	MCS0	2	140	5700	52/40	0.52	0.52			6.49	11.00		-0.37			Pass
HE20	MCS0	2	140	5700	106/54	0.58	0.60			6.60	11.00		-0.37			Pass
HE40	MCS0	2	102	5510	Full	0.34	0.35			3.05	11.00		-0.37			Pass
HE40	MCS0	2	110	5550	Full	0.34	0.35			8.53	11.00		-0.37			Pass
HE40	MCS0	2	134	5670	Full	0.34	0.35			6.59	11.00		-0.37			Pass
HE80	MCS0	2	106	5530	Full	0.65	0.65			0.48	11.00		-0.37			Pass
HE80	MCS0	2	122	5610	Full	0.65	0.65			5.70	11.00		-0.37			Pass
HE160	MCS0	2	114	5570	Full	0.70	0.70			-2.41	11.00		-0.37			Pass

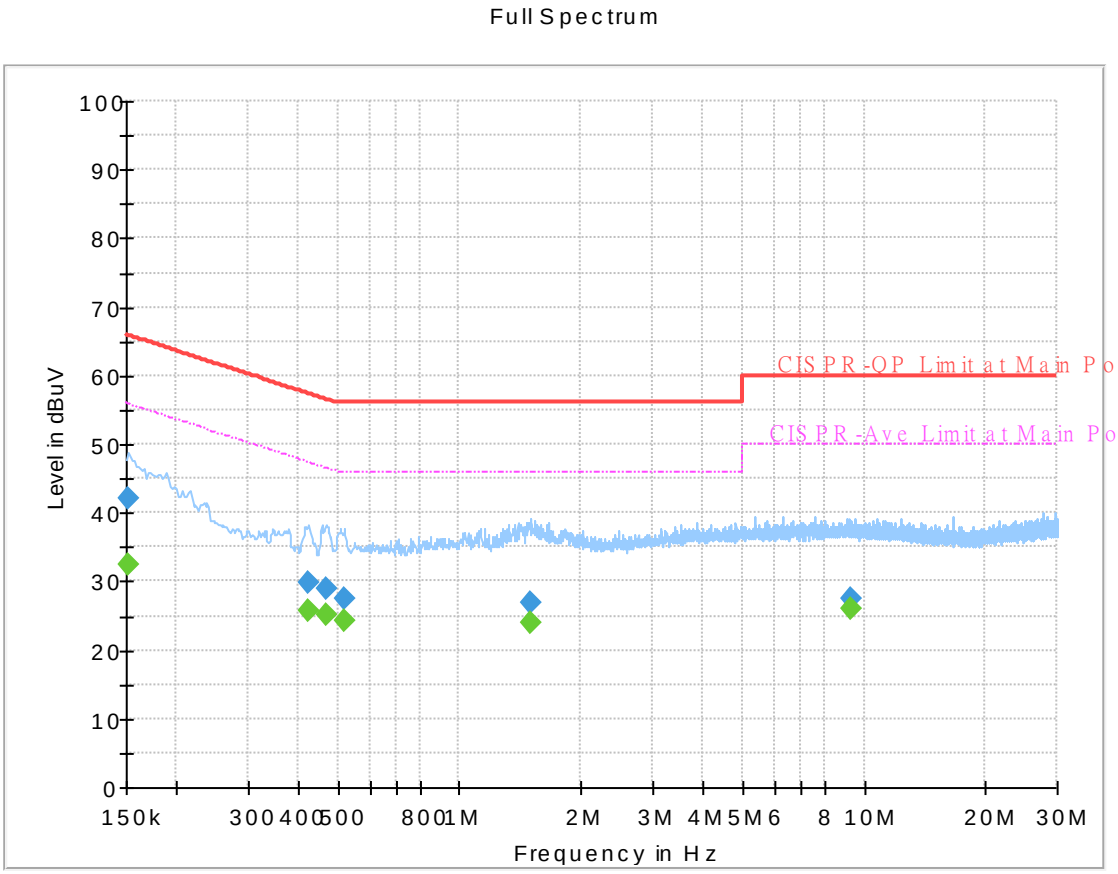
Band III straddle channel MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	144	5720	Full	0.18	0.18			10.90	11.00		-0.37			Pass
HE20	MCS0	2	144	5720	26/8	0.48	0.49			10.53	11.00		-0.37			Pass
HE20	MCS0	2	144	5720	52/40	0.52	0.52			10.79	11.00		-0.37			Pass
HE20	MCS0	2	144	5720	106/54	0.58	0.60			10.82	11.00		-0.37			Pass
HE40	MCS0	2	142	5710	Full	0.34	0.35			8.47	11.00		-0.37			Pass
HE80	MCS0	2	138	5690	Full	0.65	0.65			5.74	11.00		-0.37			Pass

Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	1O2843-05
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



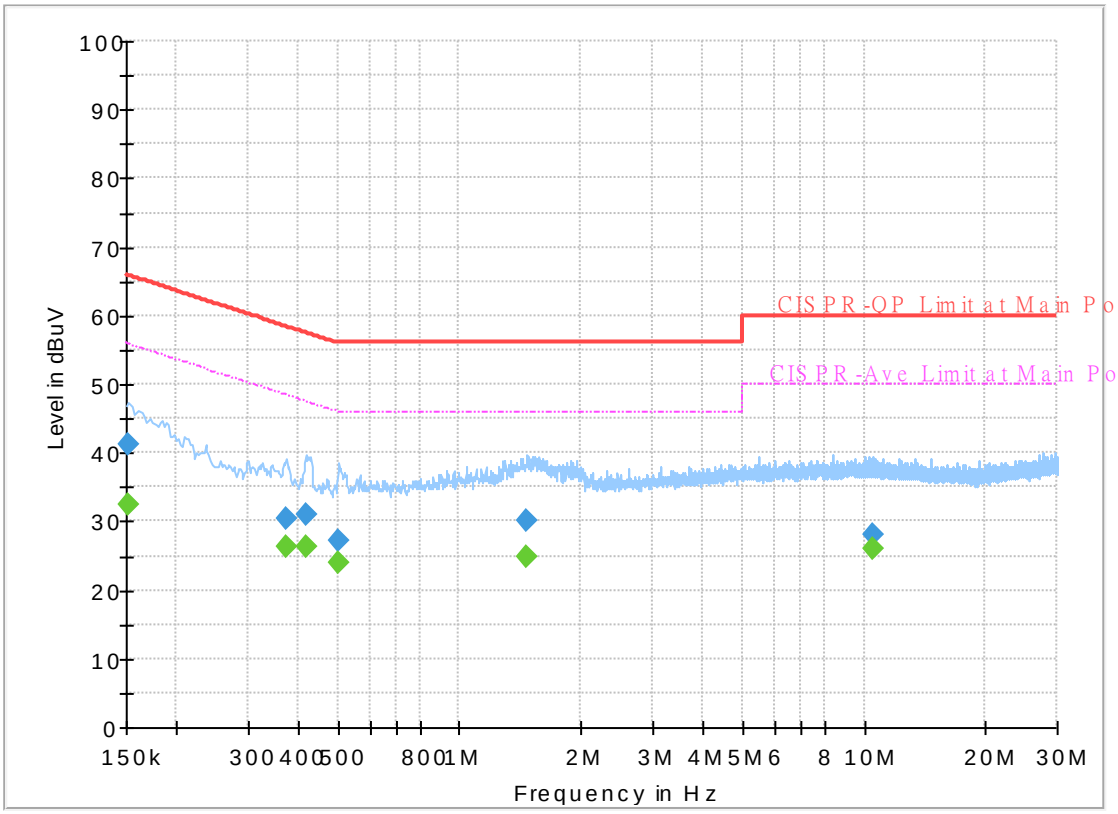
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.54	55.88	23.34	L1	OFF	19.6
0.152250	42.16	---	65.88	23.72	L1	OFF	19.6
0.424500	---	25.87	47.36	21.49	L1	OFF	19.6
0.424500	29.80	---	57.36	27.56	L1	OFF	19.6
0.467250	---	25.16	46.56	21.40	L1	OFF	19.6
0.467250	28.84	---	56.56	27.72	L1	OFF	19.6
0.519000	---	24.31	46.00	21.69	L1	OFF	19.6
0.519000	27.61	---	56.00	28.39	L1	OFF	19.6
1.493250	---	23.95	46.00	22.05	L1	OFF	19.7
1.493250	26.98	---	56.00	29.02	L1	OFF	19.7
9.330000	---	25.96	50.00	24.04	L1	OFF	20.0
9.330000	27.52	---	60.00	32.48	L1	OFF	20.0

EUT Information

Report NO :	1O2843-05
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.41	55.88	23.47	N	OFF	19.6
0.152250	41.09	---	65.88	24.79	N	OFF	19.6
0.372750	---	26.29	48.44	22.15	N	OFF	19.6
0.372750	30.35	---	58.44	28.09	N	OFF	19.6
0.417750	---	26.38	47.49	21.11	N	OFF	19.6
0.417750	31.02	---	57.49	26.47	N	OFF	19.6
0.503250	---	23.94	46.00	22.06	N	OFF	19.6
0.503250	27.12	---	56.00	28.88	N	OFF	19.6
1.473000	---	24.91	46.00	21.09	N	OFF	19.7
1.473000	30.22	---	56.00	25.78	N	OFF	19.7
10.473000	---	26.13	50.00	23.87	N	OFF	20.1
10.473000	27.96	---	60.00	32.04	N	OFF	20.1

Appendix C. Radiated Spurious Emission

Test Engineer :	Karl Hou and Andy Yang	**Temperature :**	20~25°C
		Relative Humidity :	50~60%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	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		5144.56	69.05	-4.95	74	53.56	32.93	12.02	29.46	100	59	P	H
		5150	51.6	-2.4	54	36.13	32.9	12.03	29.46	100	59	A	H
	*	5180	114.61	-	-	99.04	32.96	12.08	29.47	100	59	P	H
	*	5180	105.81	-	-	90.24	32.96	12.08	29.47	100	59	A	H
													H
													H
		5143	64.55	-9.45	74	49.05	32.94	12.02	29.46	336	112	P	V
		5149.5	49.24	-4.76	54	33.77	32.9	12.03	29.46	336	112	A	V
	*	5180	110.78	-	-	95.21	32.96	12.08	29.47	336	112	P	V
	*	5180	102.66	-	-	87.09	32.96	12.08	29.47	336	112	A	V
													V
													V
802.11a CH 44 5220MHz		5147.42	56.35	-17.65	74	40.86	32.92	12.03	29.46	100	60	P	H
		5103.48	45.4	-8.6	54	29.7	33.18	11.96	29.44	100	60	A	H
	*	5220	113.98	-	-	98.32	32.96	12.18	29.48	100	60	P	H
	*	5220	105.41	-	-	89.75	32.96	12.18	29.48	100	60	A	H
		5418.28	55.55	-18.45	74	39.39	32.9	12.8	29.54	100	60	P	H
		5362.84	45.08	-8.92	54	29.12	32.83	12.66	29.53	100	60	A	H
		5112.06	54.66	-19.34	74	39.01	33.13	11.97	29.45	345	99	P	V
		5106.6	44.23	-9.77	54	28.54	33.16	11.97	29.44	345	99	A	V
	*	5220	111.47	-	-	95.81	32.96	12.18	29.48	345	99	P	V
	*	5220	102.82	-	-	87.16	32.96	12.18	29.48	345	99	A	V
		5421.08	54.58	-19.42	74	38.42	32.9	12.8	29.54	345	99	P	V
		5392.52	44.3	-9.7	54	28.19	32.89	12.76	29.54	345	99	A	V

802.11a CH 48 5240MHz		5111.02	60.65	-13.35	74	45	33.13	11.97	29.45	100	58	P	H
		5099.32	45.23	-8.77	54	29.53	33.19	11.95	29.44	100	58	A	H
	*	5240	114.2	-	-	98.52	32.92	12.25	29.49	100	58	P	H
	*	5240	105.03	-	-	89.35	32.92	12.25	29.49	100	58	A	H
		5364.24	60.96	-13.04	74	44.99	32.83	12.67	29.53	100	58	P	H
		5390	45.01	-8.99	54	28.9	32.88	12.76	29.53	100	58	A	H
		5110.76	56.86	-17.14	74	41.2	33.14	11.97	29.45	326	90	P	V
		5091	44.24	-9.76	54	28.61	33.13	11.94	29.44	326	90	A	V
	*	5240	111.81	-	-	96.13	32.92	12.25	29.49	326	90	P	V
	*	5240	102.89	-	-	87.21	32.92	12.25	29.49	326	90	A	V
		5428.08	54.25	-19.75	74	38.1	32.9	12.8	29.55	326	90	P	V
		5436.76	44.03	-9.97	54	27.87	32.9	12.81	29.55	326	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	52.81	-15.39	68.2	50.85	38.66	18.9	55.6	-	-	P	H
		11279	48.79	-25.21	74	45.65	39.16	19.14	55.16	-	-	P	H
		11279	38.9	-15.1	54	35.76	39.16	19.14	55.16	-	-	A	H
		14471	47.57	-26.43	74	39.76	40.4	21.73	54.32	-	-	P	H
		14471	42.39	-11.61	54	34.58	40.4	21.73	54.32	-	-	A	H
		15540	46.94	-27.06	74	40.69	38.28	22.65	54.68	-	-	P	H
		17978	53.31	-20.69	74	41.61	42.82	25.47	56.59	-	-	P	H
		17978	43.34	-10.66	54	31.64	42.82	25.47	56.59	-	-	A	H
													H
													H
													H
802.11a CH 36 5180MHz													H
		10360	63.55	-4.65	68.2	61.59	38.66	18.9	55.6	100	117	P	V
		11323	48.99	-25.01	74	45.76	39.2	19.16	55.13	-	-	P	V
		11323	38.85	-15.15	54	35.62	39.2	19.16	55.13	-	-	A	V
		14471	48.6	-25.4	74	40.79	40.4	21.73	54.32	-	-	P	V
		14471	42.55	-11.45	54	34.74	40.4	21.73	54.32	-	-	A	V
		15540	46.76	-27.24	74	40.51	38.28	22.65	54.68	-	-	P	V
		17923	53.1	-20.9	74	41.82	42.38	25.45	56.55	-	-	P	V
		17923	42.91	-11.09	54	31.63	42.38	25.45	56.55	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	49.88	-18.32	68.2	47.85	38.66	18.91	55.54	-	-	P	H
		11004	48.59	-25.41	74	46.05	38.9	19.01	55.37	-	-	P	H
		11004	38.09	-15.91	54	35.55	38.9	19.01	55.37	-	-	A	H
		14471	48.04	-25.96	74	40.23	40.4	21.73	54.32	-	-	P	H
		14471	42.56	-11.44	54	34.75	40.4	21.73	54.32	-	-	A	H
		15660	46.5	-27.5	74	40.76	37.86	22.74	54.86	-	-	P	H
		17978	53.26	-20.74	74	41.56	42.82	25.47	56.59	-	-	P	H
		17978	43.18	-10.82	54	31.48	42.82	25.47	56.59	-	-	A	H
													H
													H
													H
802.11a													H
CH 44		10440	62.23	-5.97	68.2	60.2	38.66	18.91	55.54	100	119	P	V
5220MHz		11092	48.8	-25.2	74	46.15	38.9	19.05	55.3	-	-	P	V
		11092	39.23	-14.77	54	36.58	38.9	19.05	55.3	-	-	A	V
		14471	48.44	-25.56	74	40.63	40.4	21.73	54.32	-	-	P	V
		14471	42.47	-11.53	54	34.66	40.4	21.73	54.32	-	-	A	V
		15660	46.06	-27.94	74	40.32	37.86	22.74	54.86	-	-	P	V
		17967	53.9	-20.1	74	42.28	42.74	25.46	56.58	-	-	P	V
		17967	43.19	-10.81	54	31.57	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	51.26	-16.94	68.2	49.23	38.62	18.92	55.51	-	-	P	H
		10674	48.8	-25.2	74	46.3	39	18.95	55.45	-	-	P	H
		10674	38.28	-15.72	54	35.78	39	18.95	55.45	-	-	A	H
		14471	48.34	-25.66	74	40.53	40.4	21.73	54.32	-	-	P	H
		14471	42.27	-11.73	54	34.46	40.4	21.73	54.32	-	-	A	H
		15720	46.86	-27.14	74	41.33	37.7	22.78	54.95	-	-	P	H
		17967	53.48	-20.52	74	41.86	42.74	25.46	56.58	-	-	P	H
		17967	42.96	-11.04	54	31.34	42.74	25.46	56.58	-	-	A	H
													H
													H
													H
													H
802.11a CH 48 5240MHz		10480	61.43	-6.77	68.2	59.4	38.62	18.92	55.51	100	117	P	V
		11642	48.59	-25.41	74	45.52	38.72	19.3	54.95	-	-	P	V
		11642	38.87	-15.13	54	35.8	38.72	19.3	54.95	-	-	A	V
		14471	48.05	-25.95	74	40.24	40.4	21.73	54.32	-	-	P	V
		14471	42.48	-11.52	54	34.67	40.4	21.73	54.32	-	-	A	V
		15720	46.26	-27.74	74	40.73	37.7	22.78	54.95	-	-	P	V
		17967	53.71	-20.29	74	42.09	42.74	25.46	56.58	-	-	P	V
		17967	43.06	-10.94	54	31.44	42.74	25.46	56.58	-	-	A	V
													V
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													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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5140.92	68.11	-5.89	74	52.6	32.95	12.02	29.46	100	57	P	H
		5150	51.54	-2.46	54	36.07	32.9	12.03	29.46	100	57	P	H
	*	5180	114.1	-	-	98.53	32.96	12.08	29.47	100	57	P	H
	*	5180	103.9	-	-	88.33	32.96	12.08	29.47	100	57	A	H
802.11ax													H
HE20 Full													H
CH 36		5146.64	64.11	-9.89	74	48.62	32.92	12.03	29.46	400	99	P	V
5180MHz		5150	48.07	-5.93	54	32.6	32.9	12.03	29.46	400	99	A	V
	*	5180	110.17	-	-	94.6	32.96	12.08	29.47	400	99	P	V
	*	5180	100.12	-	-	84.55	32.96	12.08	29.47	400	99	A	V
													V
													V
		5091.52	60.49	-13.51	74	44.86	33.13	11.94	29.44	100	59	P	H
		5147.68	45.42	-8.58	54	29.94	32.91	12.03	29.46	100	59	A	H
	*	5220	115.55	-	-	99.89	32.96	12.18	29.48	100	59	P	H
	*	5220	104.68	-	-	89.02	32.96	12.18	29.48	100	59	A	H
802.11ax		5352.76	59.14	-14.86	74	43.22	32.81	12.63	29.52	100	59	P	H
HE20 Full		5359.48	45.19	-8.81	54	29.25	32.82	12.65	29.53	100	59	A	H
CH 44		5150	57.31	-16.69	74	41.84	32.9	12.03	29.46	336	106	P	V
5220MHz		5103.48	44.09	-9.91	54	28.39	33.18	11.96	29.44	336	106	A	V
	*	5220	112	-	-	96.34	32.96	12.18	29.48	336	106	P	V
	*	5220	101.57	-	-	85.91	32.96	12.18	29.48	336	106	A	V
		5401.76	55.34	-18.66	74	39.19	32.9	12.79	29.54	336	106	P	V
		5387.76	44.21	-9.79	54	28.11	32.88	12.75	29.53	336	106	A	V

		5102.96	61.24	-12.76	74	45.54	33.18	11.96	29.44	100	58	P	H
		5111.8	45.45	-8.55	54	29.8	33.13	11.97	29.45	100	58	A	H
	*	5240	115.63	-	-	99.95	32.92	12.25	29.49	100	58	P	H
	*	5240	105.09	-	-	89.41	32.92	12.25	29.49	100	58	A	H
802.11ax		5365.08	60.66	-13.34	74	44.69	32.83	12.67	29.53	100	58	P	H
HE20 Full		5350.8	45.21	-8.79	54	29.31	32.8	12.62	29.52	100	58	A	H
CH 48		5104.26	57.12	-16.88	74	41.43	33.17	11.96	29.44	326	109	P	V
5240MHz		5096.2	44.32	-9.68	54	28.64	33.17	11.95	29.44	326	109	A	V
	*	5240	112.4	-	-	96.72	32.92	12.25	29.49	326	109	P	V
	*	5240	101.74	-	-	86.06	32.92	12.25	29.49	326	109	A	V
		5372.92	58.38	-15.62	74	42.36	32.85	12.7	29.53	326	109	P	V
		5424.72	44.26	-9.74	54	28.11	32.9	12.8	29.55	326	109	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	50.81	-17.39	68.2	48.85	38.66	18.9	55.6	-	-	P	H
		10880	48.26	-25.74	74	45.79	38.88	18.99	55.4	-	-	P	H
		10880	38.88	-15.12	54	36.41	38.88	18.99	55.4	-	-	A	H
		14491	49.13	-24.87	74	41.31	40.4	21.75	54.33	-	-	P	H
		14491	40.23	-13.77	54	32.41	40.4	21.75	54.33	-	-	A	H
		15540	47.83	-26.17	74	41.58	38.28	22.65	54.68	-	-	P	H
		17945	54.77	-19.23	74	43.32	42.56	25.45	56.56	-	-	P	H
		17945	43.75	-10.25	54	32.3	42.56	25.45	56.56	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	57.99	-10.21	68.2	56.03	38.66	18.9	55.6	-	-	P	V
5180MHz		10883	48.35	-25.65	74	45.89	38.87	18.99	55.4	-	-	P	V
		10883	38.72	-15.28	54	36.26	38.87	18.99	55.4	-	-	A	V
		14491	49.16	-24.84	74	41.34	40.4	21.75	54.33	-	-	P	V
		14491	40.16	-13.84	54	32.34	40.4	21.75	54.33	-	-	A	V
		15540	47.47	-26.53	74	41.22	38.28	22.65	54.68	-	-	P	V
		17956	54.41	-19.59	74	42.87	42.65	25.46	56.57	-	-	P	V
		17956	43.91	-10.09	54	32.37	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	51.61	-16.59	68.2	49.58	38.66	18.91	55.54	-	-	P	H
		10883	48	-26	74	45.54	38.87	18.99	55.4	-	-	P	H
		10883	38.8	-15.2	54	36.34	38.87	18.99	55.4	-	-	A	H
		14491	49.13	-24.87	74	41.31	40.4	21.75	54.33	-	-	P	H
		14491	40.31	-13.69	54	32.49	40.4	21.75	54.33	-	-	A	H
		15660	47.89	-26.11	74	42.15	37.86	22.74	54.86	-	-	P	H
		17956	53.98	-20.02	74	42.44	42.65	25.46	56.57	-	-	P	H
		17956	43.9	-10.1	54	32.36	42.65	25.46	56.57	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	56.74	-11.46	68.2	54.71	38.66	18.91	55.54	-	-	P	V
5220MHz		10880	48.14	-25.86	74	45.67	38.88	18.99	55.4	-	-	P	V
		10880	38.74	-15.26	54	36.27	38.88	18.99	55.4	-	-	A	V
		14491	49.02	-24.98	74	41.2	40.4	21.75	54.33	-	-	P	V
		14491	40.33	-13.67	54	32.51	40.4	21.75	54.33	-	-	A	V
		15660	46.5	-27.5	74	40.76	37.86	22.74	54.86	-	-	P	V
		17890	54	-20	74	43.03	42.08	25.42	56.53	-	-	P	V
		17890	43.39	-10.61	54	32.42	42.08	25.42	56.53	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	49.83	-18.37	68.2	47.8	38.62	18.92	55.51	-	-	P	H
		10880	48.18	-25.82	74	45.71	38.88	18.99	55.4	-	-	P	H
		10880	38.94	-15.06	54	36.47	38.88	18.99	55.4	-	-	A	H
		14491	48.85	-25.15	74	41.03	40.4	21.75	54.33	-	-	P	H
		14491	40.27	-13.73	54	32.45	40.4	21.75	54.33	-	-	A	H
		15720	47.05	-26.95	74	41.52	37.7	22.78	54.95	-	-	P	H
		17945	54.22	-19.78	74	42.77	42.56	25.45	56.56	-	-	P	H
		17945	43.62	-10.38	54	32.17	42.56	25.45	56.56	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	55.68	-12.52	68.2	53.65	38.62	18.92	55.51	-	-	P	V
5240MHz		10883	48.26	-25.74	74	45.8	38.87	18.99	55.4	-	-	P	V
		10883	38.68	-15.32	54	36.22	38.87	18.99	55.4	-	-	A	V
		14491	48.86	-25.14	74	41.04	40.4	21.75	54.33	-	-	P	V
		14491	40.28	-13.72	54	32.46	40.4	21.75	54.33	-	-	A	V
		15720	47.03	-26.97	74	41.5	37.7	22.78	54.95	-	-	P	V
		17967	53.99	-20.01	74	42.37	42.74	25.46	56.58	-	-	P	V
		17967	44.04	-9.96	54	32.42	42.74	25.46	56.58	-	-	A	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150	66.71	-7.29	74	51.24	32.9	12.03	29.46	100	61	P	H
		5148.2	52.1	-1.9	54	36.62	32.91	12.03	29.46	100	61	A	H
	*	5190	108.42	-	-	92.82	32.98	12.09	29.47	100	61	P	H
	*	5190	97.67	-	-	82.07	32.98	12.09	29.47	100	61	A	H
802.11ax		5372.92	54.26	-19.74	74	38.24	32.85	12.7	29.53	100	61	P	H
HE40 Full		5407.08	44.38	-9.62	54	28.23	32.9	12.79	29.54	100	61	A	H
CH 38		5147.42	60.35	-13.65	74	44.86	32.92	12.03	29.46	367	91	P	V
5190MHz		5149.76	48.87	-5.13	54	33.4	32.9	12.03	29.46	367	91	A	V
	*	5190	105.48	-	-	89.88	32.98	12.09	29.47	367	91	P	V
	*	5190	94.57	-	-	78.97	32.98	12.09	29.47	367	91	A	V
		5442.36	54.47	-19.53	74	38.31	32.9	12.81	29.55	367	91	P	V
		5398.68	43.85	-10.15	54	27.7	32.9	12.79	29.54	367	91	A	V
		5146.64	60.75	-13.25	74	45.26	32.92	12.03	29.46	100	60	P	H
		5149.76	49.33	-4.67	54	33.86	32.9	12.03	29.46	100	60	A	H
	*	5230	112.92	-	-	97.25	32.94	12.21	29.48	100	60	P	H
	*	5230	103.08	-	-	87.41	32.94	12.21	29.48	100	60	A	H
802.11ax		5379.08	59.18	-14.82	74	43.13	32.86	12.72	29.53	100	60	P	H
HE40 Full		5351.92	46.03	-7.97	54	30.12	32.8	12.63	29.52	100	60	A	H
CH 46		5144.3	56.92	-17.08	74	41.43	32.93	12.02	29.46	331	114	P	V
5230MHz		5149.5	46.83	-7.17	54	31.36	32.9	12.03	29.46	331	114	A	V
	*	5230	109.81	-	-	94.14	32.94	12.21	29.48	331	114	P	V
	*	5230	99.65	-	-	83.98	32.94	12.21	29.48	331	114	A	V
		5363.12	55.61	-18.39	74	39.65	32.83	12.66	29.53	331	114	P	V
		5400.08	44.61	-9.39	54	28.46	32.9	12.79	29.54	331	114	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	48.59	-19.61	68.2	46.6	38.68	18.9	55.59	-	-	P	H
		10880	48	-26	74	45.53	38.88	18.99	55.4	-	-	P	H
		10880	38.87	-15.13	54	36.4	38.88	18.99	55.4	-	-	A	H
		14491	49.05	-24.95	74	41.23	40.4	21.75	54.33	-	-	P	H
		14491	40.43	-13.57	54	32.61	40.4	21.75	54.33	-	-	A	H
		15570	47.55	-26.45	74	41.41	38.19	22.68	54.73	-	-	P	H
		17901	54.56	-19.44	74	43.45	42.21	25.43	56.53	-	-	P	H
		17901	43.7	-10.3	54	32.59	42.21	25.43	56.53	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	52.15	-16.05	68.2	50.16	38.68	18.9	55.59	-	-	P	V
5190MHz		10883	48.38	-25.62	74	45.92	38.87	18.99	55.4	-	-	P	V
		10883	38.75	-15.25	54	36.29	38.87	18.99	55.4	-	-	A	V
		14491	49.02	-24.98	74	41.2	40.4	21.75	54.33	-	-	P	V
		14491	40.24	-13.76	54	32.42	40.4	21.75	54.33	-	-	A	V
		15570	47.45	-26.55	74	41.31	38.19	22.68	54.73	-	-	P	V
		17890	53.81	-20.19	74	42.84	42.08	25.42	56.53	-	-	P	V
		17890	43.59	-10.41	54	32.62	42.08	25.42	56.53	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	49.09	-19.11	68.2	47.06	38.64	18.91	55.52	-	-	P	H
		10883	48.16	-25.84	74	45.7	38.87	18.99	55.4	-	-	P	H
		10883	38.73	-15.27	54	36.27	38.87	18.99	55.4	-	-	A	H
		14491	48.53	-25.47	74	40.71	40.4	21.75	54.33	-	-	P	H
		14491	40.02	-13.98	54	32.2	40.4	21.75	54.33	-	-	A	H
		15690	46.95	-27.05	74	41.36	37.74	22.76	54.91	-	-	P	H
		17967	54.32	-19.68	74	42.7	42.74	25.46	56.58	-	-	P	H
		17967	44.07	-9.93	54	32.45	42.74	25.46	56.58	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	56.2	-12	68.2	54.17	38.64	18.91	55.52	-	-	P	V
5230MHz		10880	48.21	-25.79	74	45.74	38.88	18.99	55.4	-	-	P	V
		10880	38.77	-15.23	54	36.3	38.88	18.99	55.4	-	-	A	V
		14491	49.09	-24.91	74	41.27	40.4	21.75	54.33	-	-	P	V
		14491	40.21	-13.79	54	32.39	40.4	21.75	54.33	-	-	A	V
		15690	47.19	-26.81	74	41.6	37.74	22.76	54.91	-	-	P	V
		17967	53.65	-20.35	74	42.03	42.74	25.46	56.58	-	-	P	V
		17967	43.97	-10.03	54	32.35	42.74	25.46	56.58	-	-	A	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5137.28	62.33	-11.67	74	46.79	32.98	12.01	29.45	100	59	P	H
		5149.76	52.2	-1.8	54	36.73	32.9	12.03	29.46	100	59	A	H
	*	5210	106.22	-	-	90.58	32.98	12.14	29.48	100	59	P	H
	*	5210	95.31	-	-	79.67	32.98	12.14	29.48	100	59	A	H
		5382.72	55.74	-18.26	74	39.67	32.87	12.73	29.53	100	59	P	H
		5414.64	45.62	-8.38	54	29.46	32.9	12.8	29.54	100	59	A	H
		5132.34	57.59	-16.41	74	42.02	33.01	12.01	29.45	373	100	P	V
		5146.38	48.41	-5.59	54	32.92	32.92	12.03	29.46	373	100	A	V
	*	5210	100.41	-	-	84.77	32.98	12.14	29.48	373	100	P	V
	*	5210	91.56	-	-	75.92	32.98	12.14	29.48	373	100	A	V
		5419.4	54.12	-19.88	74	37.96	32.9	12.8	29.54	373	100	P	V
		5350.52	45.14	-8.86	54	29.24	32.8	12.62	29.52	373	100	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	47.94	-20.26	68.2	45.9	38.68	18.91	55.55	-	-	P	H
		10880	48.04	-25.96	74	45.57	38.88	18.99	55.4	-	-	P	H
		10880	38.98	-15.02	54	36.51	38.88	18.99	55.4	-	-	A	H
		14491	49.54	-24.46	74	41.72	40.4	21.75	54.33	-	-	P	H
		14491	40.2	-13.8	54	32.38	40.4	21.75	54.33	-	-	A	H
		15630	46.27	-27.73	74	40.39	37.98	22.72	54.82	-	-	P	H
		17978	54.26	-19.74	74	42.56	42.82	25.47	56.59	-	-	P	H
		17978	43.95	-10.05	54	32.25	42.82	25.47	56.59	-	-	A	H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	48.85	-19.35	68.2	46.81	38.68	18.91	55.55	-	-	P	V
5210MHz		10883	48.35	-25.65	74	45.89	38.87	18.99	55.4	-	-	P	V
		10883	39.01	-14.99	54	36.55	38.87	18.99	55.4	-	-	A	V
		14491	48.89	-25.11	74	41.07	40.4	21.75	54.33	-	-	P	V
		14491	40.17	-13.83	54	32.35	40.4	21.75	54.33	-	-	A	V
		15630	47.28	-26.72	74	41.4	37.98	22.72	54.82	-	-	P	V
		17978	54.34	-19.66	74	42.64	42.82	25.47	56.59	-	-	P	V
		17978	44.09	-9.91	54	32.39	42.82	25.47	56.59	-	-	A	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 HE160 Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 50 5250MHz		5147.94	58.2	-15.8	74	42.72	32.91	12.03	29.46	100	60	P	H
		5139.1	46.98	-7.02	54	31.44	32.97	12.02	29.45	100	60	A	H
	*	5250	100.85	-	-	85.16	32.9	12.28	29.49	100	60	P	H
	*	5250	90.58	-	-	74.89	32.9	12.28	29.49	100	60	A	H
		5384.96	59.53	-14.47	74	43.45	32.87	12.74	29.53	100	60	P	H
		5381.6	51.12	-2.88	54	35.06	32.86	12.73	29.53	100	60	A	H
		5148.72	54.87	-19.13	74	39.39	32.91	12.03	29.46	334	109	P	V
		5132.6	45.47	-8.53	54	29.91	33	12.01	29.45	334	109	A	V
	*	5250	97.17	-	-	81.48	32.9	12.28	29.49	334	109	P	V
	*	5250	87.66	-	-	71.97	32.9	12.28	29.49	334	109	A	V
		5373.48	56.58	-17.42	74	40.56	32.85	12.7	29.53	334	109	P	V
		5378.8	48.63	-5.37	54	32.58	32.86	12.72	29.53	334	109	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10500	47.68	-20.52	68.2	45.64	38.6	18.93	55.49	-	-	P	H
		10729	48.43	-25.57	74	45.85	39.06	18.96	55.44	-	-	P	H
		10729	38.43	-15.57	54	35.85	39.06	18.96	55.44	-	-	A	H
		14471	47.91	-26.09	74	40.1	40.4	21.73	54.32	-	-	P	H
		14471	42.72	-11.28	54	34.91	40.4	21.73	54.32	-	-	A	H
		15750	47.25	-26.75	74	41.74	37.7	22.81	55	-	-	P	H
		17934	53.37	-20.63	74	42.01	42.47	25.45	56.56	-	-	P	H
		17934	42.72	-11.28	54	31.36	42.47	25.45	56.56	-	-	A	H
													H
													H
802.11ax													H
HE160 Full													H
CH 50		10500	47.35	-20.85	68.2	45.31	38.6	18.93	55.49	-	-	P	V
5250MHz		10982	48.62	-25.38	74	46.1	38.88	19.01	55.37	-	-	P	V
		10982	38.17	-15.83	54	35.65	38.88	19.01	55.37	-	-	A	V
		14471	48.52	-25.48	74	40.71	40.4	21.73	54.32	-	-	P	V
		14471	42.25	-11.75	54	34.44	40.4	21.73	54.32	-	-	A	V
		15750	46.84	-27.16	74	41.33	37.7	22.81	55	-	-	P	V
		17956	52.86	-21.14	74	41.32	42.65	25.46	56.57	-	-	P	V
		17956	43.12	-10.88	54	31.58	42.65	25.46	56.57	-	-	A	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 Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5123.76	59.96	-14.04	74	44.36	33.06	11.99	29.45	100	57	P	H
		5130.9	45.71	-8.29	54	30.15	33.01	12	29.45	100	57	A	H
	*	5260	114.82	-	-	99.08	32.92	12.31	29.49	100	57	P	H
	*	5260	106.15	-	-	90.41	32.92	12.31	29.49	100	57	A	H
		5395.92	58.99	-15.01	74	42.86	32.89	12.78	29.54	100	57	P	H
		5351.52	45.29	-8.71	54	29.38	32.8	12.63	29.52	100	57	A	H
		5122.74	55.62	-18.38	74	40.02	33.06	11.99	29.45	364	108	P	V
		5099.96	44.83	-9.17	54	29.12	33.2	11.95	29.44	364	108	A	V
	*	5260	111.56	-	-	95.82	32.92	12.31	29.49	364	108	P	V
	*	5260	103.12	-	-	87.38	32.92	12.31	29.49	364	108	A	V
		5402.64	56.51	-17.49	74	40.36	32.9	12.79	29.54	364	108	P	V
		5395.44	44.63	-9.37	54	28.51	32.89	12.77	29.54	364	108	A	V
802.11a CH 60 5300MHz		5110.5	55.38	-18.62	74	39.72	33.14	11.97	29.45	100	60	P	H
		5106.08	45.54	-8.46	54	29.86	33.16	11.96	29.44	100	60	A	H
	*	5300	114.37	-	-	98.43	33	12.45	29.51	100	60	P	H
	*	5300	106.11	-	-	90.17	33	12.45	29.51	100	60	A	H
		5353.92	64.6	-9.4	74	48.68	32.81	12.63	29.52	100	60	P	H
		5350.32	46.51	-7.49	54	30.61	32.8	12.62	29.52	100	60	A	H
		5114.92	54.68	-19.32	74	39.04	33.11	11.98	29.45	354	81	P	V
		5088.06	44.44	-9.56	54	28.84	33.1	11.94	29.44	354	81	A	V
	*	5300	111.05	-	-	95.11	33	12.45	29.51	354	81	P	V
	*	5300	103.28	-	-	87.34	33	12.45	29.51	354	81	A	V
		5350.32	58.86	-15.14	74	42.96	32.8	12.62	29.52	354	81	P	V
		5385.12	44.64	-9.36	54	28.56	32.87	12.74	29.53	354	81	A	V

802.11a CH 64 5320MHz	*	5320	113.42	-	-	97.49	32.92	12.52	29.51	100	62	P	H
	*	5320	105.15	-	-	89.22	32.92	12.52	29.51	100	62	A	H
		5350.56	67.05	-6.95	74	51.15	32.8	12.62	29.52	100	62	P	H
		5350.24	51.66	-2.34	54	35.76	32.8	12.62	29.52	100	62	A	H
													H
													H
	*	5320	110.79	-	-	94.86	32.92	12.52	29.51	300	115	P	V
	*	5320	102.37	-	-	86.44	32.92	12.52	29.51	300	115	A	V
		5350.56	65.34	-8.66	74	49.44	32.8	12.62	29.52	300	115	P	V
		5350.08	49.28	-4.72	54	33.38	32.8	12.62	29.52	300	115	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	50.45	-17.75	68.2	48.33	38.68	18.93	55.49	-	-	P	H
		11730	48.54	-25.46	74	45.55	38.57	19.34	54.92	-	-	P	H
		11730	38.62	-15.38	54	35.63	38.57	19.34	54.92	-	-	A	H
		14471	47.65	-26.35	74	39.84	40.4	21.73	54.32	-	-	P	H
		14471	42.3	-11.7	54	34.49	40.4	21.73	54.32	-	-	A	H
		15780	46.8	-27.2	74	41.32	37.7	22.83	55.05	-	-	P	H
		17978	52.67	-21.33	74	40.97	42.82	25.47	56.59	-	-	P	H
		17978	43.04	-10.96	54	31.34	42.82	25.47	56.59	-	-	A	H
													H
													H
													H
802.11a CH 52 5260MHz													H
		10520	59.79	-8.41	68.2	57.67	38.68	18.93	55.49	100	116	P	V
		11004	49.31	-24.69	74	46.77	38.9	19.01	55.37	-	-	P	V
		11004	38.3	-15.7	54	35.76	38.9	19.01	55.37	-	-	A	V
		14471	48.51	-25.49	74	40.7	40.4	21.73	54.32	-	-	P	V
		14471	42.6	-11.4	54	34.79	40.4	21.73	54.32	-	-	A	V
		15780	46.58	-27.42	74	41.1	37.7	22.83	55.05	-	-	P	V
		17967	53.63	-20.37	74	42.01	42.74	25.46	56.58	-	-	P	V
		17967	43.06	-10.94	54	31.44	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	52.5	-21.5	74	50.02	39	18.95	55.47	100	76	P	H
		10600	43.19	-10.81	54	40.71	39	18.95	55.47	100	76	A	H
		14471	48.57	-25.43	74	40.76	40.4	21.73	54.32	-	-	P	H
		14471	42.5	-11.5	54	34.69	40.4	21.73	54.32	-	-	A	H
		15900	45.75	-28.25	74	40.18	37.9	22.9	55.23	-	-	P	H
		17890	53.46	-20.54	74	42.49	42.08	25.42	56.53	-	-	P	H
		17890	42.62	-11.38	54	31.65	42.08	25.42	56.53	-	-	A	H
													H
													H
													H
													H
802.11a													H
CH 60		10600	57.3	-16.7	74	54.82	39	18.95	55.47	100	116	P	V
5300MHz		10600	48.32	-5.68	54	45.84	39	18.95	55.47	100	116	A	V
		14471	48.72	-25.28	74	40.91	40.4	21.73	54.32	-	-	P	V
		14471	42.66	-11.34	54	34.85	40.4	21.73	54.32	-	-	A	V
		15900	46.54	-27.46	74	40.97	37.9	22.9	55.23	-	-	P	V
		17846	53.59	-20.41	74	43.14	41.55	25.4	56.5	-	-	P	V
		17846	41.9	-12.1	54	31.45	41.55	25.4	56.5	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz		10640	52.01	-21.99	74	49.52	39	18.95	55.46	100	77	P	H
		10640	42.65	-11.35	54	40.16	39	18.95	55.46	100	77	A	H
		14471	48.83	-25.17	74	41.02	40.4	21.73	54.32	-	-	P	H
		14471	42.47	-11.53	54	34.66	40.4	21.73	54.32	-	-	A	H
		15960	46.3	-27.7	74	40.95	37.72	22.95	55.32	-	-	P	H
		17956	53.75	-20.25	74	42.21	42.65	25.46	56.57	-	-	P	H
		17956	43.02	-10.98	54	31.48	42.65	25.46	56.57	-	-	A	H
													H
													H
													H
													H
													H
		10640	57.04	-16.96	74	54.55	39	18.95	55.46	100	118	P	V
		10640	46.6	-7.4	54	44.11	39	18.95	55.46	100	118	A	V
		14471	48.31	-25.69	74	40.5	40.4	21.73	54.32	-	-	P	V
		14471	42.45	-11.55	54	34.64	40.4	21.73	54.32	-	-	A	V
		15960	45.76	-28.24	74	40.41	37.72	22.95	55.32	-	-	P	V
		17945	53.55	-20.45	74	42.1	42.56	25.45	56.56	-	-	P	V
		17945	42.92	-11.08	54	31.47	42.56	25.45	56.56	-	-	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5120.7	61.73	-12.27	74	46.11	33.08	11.99	29.45	100	56	P	H
		5122.06	45.96	-8.04	54	30.35	33.07	11.99	29.45	100	56	A	H
	*	5260	115.75	-	-	100.01	32.92	12.31	29.49	100	56	P	H
	*	5260	105.11	-	-	89.37	32.92	12.31	29.49	100	56	A	H
802.11ax		5391.12	60.66	-13.34	74	44.56	32.88	12.76	29.54	100	56	P	H
HE20 Full		5410.08	45.31	-8.69	54	29.16	32.9	12.79	29.54	100	56	A	H
CH 52		5122.06	57.59	-16.41	74	41.98	33.07	11.99	29.45	347	105	P	V
5260MHz		5083.3	44.47	-9.53	54	28.91	33.07	11.93	29.44	347	105	A	V
	*	5260	111.85	-	-	96.11	32.92	12.31	29.49	347	105	P	V
	*	5260	101.39	-	-	85.65	32.92	12.31	29.49	347	105	A	V
		5401.68	56.85	-17.15	74	40.7	32.9	12.79	29.54	347	105	P	V
		5396.4	44.69	-9.31	54	28.56	32.89	12.78	29.54	347	105	A	V
		5096.56	56.3	-17.7	74	40.62	33.17	11.95	29.44	100	58	P	H
		5125.12	45.64	-8.36	54	30.05	33.05	11.99	29.45	100	58	A	H
	*	5300	115.92	-	-	99.98	33	12.45	29.51	100	58	P	H
	*	5300	105.36	-	-	89.42	33	12.45	29.51	100	58	A	H
802.11ax		5352.72	65.55	-8.45	74	49.63	32.81	12.63	29.52	100	58	P	H
HE20 Full		5350.32	47.1	-6.9	54	31.2	32.8	12.62	29.52	100	58	A	H
CH 60		5126.48	54.16	-19.84	74	38.57	33.04	12	29.45	342	99	P	V
5300MHz		5147.22	44.26	-9.74	54	28.77	32.92	12.03	29.46	342	99	A	V
	*	5300	112.06	-	-	96.12	33	12.45	29.51	342	99	P	V
	*	5300	101.83	-	-	85.89	33	12.45	29.51	342	99	A	V
		5350.8	60.65	-13.35	74	44.75	32.8	12.62	29.52	342	99	P	V
		5351.28	44.81	-9.19	54	28.91	32.8	12.62	29.52	342	99	A	V

	*	5320	113.46	-	-	97.53	32.92	12.52	29.51	100	61	P	H
	*	5320	102.91	-	-	86.98	32.92	12.52	29.51	100	61	A	H
		5352.48	66.23	-7.77	74	50.32	32.8	12.63	29.52	100	61	P	H
		5350.08	51.94	-2.06	54	36.04	32.8	12.62	29.52	100	61	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	108.86	-	-	92.93	32.92	12.52	29.51	348	100	P	V
5320MHz	*	5320	99	-	-	83.07	32.92	12.52	29.51	348	100	A	V
		5353.76	63.64	-10.36	74	47.72	32.81	12.63	29.52	348	100	P	V
		5350.4	48.52	-5.48	54	32.62	32.8	12.62	29.52	348	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 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	51.81	-16.39	68.2	49.69	38.68	18.93	55.49	-	-	P	H
		11103	48.93	-25.07	74	46.27	38.9	19.05	55.29	-	-	P	H
		11103	38.11	-15.89	54	35.45	38.9	19.05	55.29	-	-	A	H
		14471	48.43	-25.57	74	40.62	40.4	21.73	54.32	-	-	P	H
		14471	42.58	-11.42	54	34.77	40.4	21.73	54.32	-	-	A	H
		15780	47.31	-26.69	74	41.83	37.7	22.83	55.05	-	-	P	H
		17945	53.87	-20.13	74	42.42	42.56	25.45	56.56	-	-	P	H
		17945	42.98	-11.02	54	31.53	42.56	25.45	56.56	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	55.43	-12.77	68.2	53.31	38.68	18.93	55.49	-	-	P	V
5260MHz		10685	49.29	-24.71	74	46.78	39	18.96	55.45	-	-	P	V
		10685	37.97	-16.03	54	35.46	39	18.96	55.45	-	-	A	V
		14471	48.47	-25.53	74	40.66	40.4	21.73	54.32	-	-	P	V
		14471	42.77	-11.23	54	34.96	40.4	21.73	54.32	-	-	A	V
		15780	47.27	-26.73	74	41.79	37.7	22.83	55.05	-	-	P	V
		17978	53.82	-20.18	74	42.12	42.82	25.47	56.59	-	-	P	V
		17978	43.26	-10.74	54	31.56	42.82	25.47	56.59	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	52.77	-21.23	74	50.29	39	18.95	55.47	100	9	P	H
		10600	43.48	-10.52	54	41	39	18.95	55.47	100	9	A	H
		14471	48.71	-25.29	74	40.9	40.4	21.73	54.32	-	-	P	H
		14471	42.56	-11.44	54	34.75	40.4	21.73	54.32	-	-	A	H
		15900	45.49	-28.51	74	39.92	37.9	22.9	55.23	-	-	P	H
		17978	53.57	-20.43	74	41.87	42.82	25.47	56.59	-	-	P	H
		17978	43.37	-10.63	54	31.67	42.82	25.47	56.59	-	-	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	56.99	-17.01	74	54.51	39	18.95	55.47	100	116	P	V
5300MHz		10600	47.66	-6.34	54	45.18	39	18.95	55.47	100	116	A	V
		14471	48.11	-25.89	74	40.3	40.4	21.73	54.32	-	-	P	V
		14471	42.58	-11.42	54	34.77	40.4	21.73	54.32	-	-	A	V
		15900	46.35	-27.65	74	40.78	37.9	22.9	55.23	-	-	P	V
		17989	53.51	-20.49	74	41.71	42.91	25.48	56.59	-	-	P	V
		17989	43.42	-10.58	54	31.62	42.91	25.48	56.59	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	51.48	-22.52	74	48.99	39	18.95	55.46	104	11	P	H
		10640	41.72	-12.28	54	39.23	39	18.95	55.46	104	11	A	H
		14471	49.1	-24.9	74	41.29	40.4	21.73	54.32	-	-	P	H
		14471	42.68	-11.32	54	34.87	40.4	21.73	54.32	-	-	A	H
		15960	46.77	-27.23	74	41.42	37.72	22.95	55.32	-	-	P	H
		17967	53.18	-20.82	74	41.56	42.74	25.46	56.58	-	-	P	H
		17967	43.3	-10.7	54	31.68	42.74	25.46	56.58	-	-	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	54.06	-19.94	74	51.57	39	18.95	55.46	100	116	P	V
5320MHz		10640	44.7	-9.3	54	42.21	39	18.95	55.46	100	116	A	V
		14471	48.45	-25.55	74	40.64	40.4	21.73	54.32	-	-	P	V
		14471	42.65	-11.35	54	34.84	40.4	21.73	54.32	-	-	A	V
		15960	45.84	-28.16	74	40.49	37.72	22.95	55.32	-	-	P	V
		17956	53.68	-20.32	74	42.14	42.65	25.46	56.57	-	-	P	V
		17956	43.09	-10.91	54	31.55	42.65	25.46	56.57	-	-	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5100.64	56.47	-17.53	74	40.75	33.2	11.96	29.44	100	60	P	H
		5144.16	45.95	-8.05	54	30.45	32.94	12.02	29.46	100	60	A	H
	*	5270	114.1	-	-	98.31	32.94	12.35	29.5	100	60	P	H
	*	5270	103.35	-	-	87.56	32.94	12.35	29.5	100	60	A	H
802.11ax		5350.8	61.93	-12.07	74	46.03	32.8	12.62	29.52	100	60	P	H
HE40 Full		5350.32	50.23	-3.77	54	34.33	32.8	12.62	29.52	100	60	A	H
CH 54		5129.88	54.67	-19.33	74	39.1	33.02	12	29.45	361	108	P	V
5270MHz		5123.76	44.57	-9.43	54	28.97	33.06	11.99	29.45	361	108	A	V
	*	5270	110.26	-	-	94.47	32.94	12.35	29.5	361	108	P	V
	*	5270	100.34	-	-	84.55	32.94	12.35	29.5	361	108	A	V
		5351.76	57.37	-16.63	74	41.46	32.8	12.63	29.52	361	108	P	V
		5350.8	46.93	-7.07	54	31.03	32.8	12.62	29.52	361	108	A	V
		5118.32	55.58	-18.42	74	39.96	33.09	11.98	29.45	100	60	P	H
		5140.42	44.65	-9.35	54	29.12	32.96	12.02	29.45	100	60	A	H
	*	5310	107.98	-	-	92.05	32.96	12.48	29.51	100	60	P	H
	*	5310	97.6	-	-	81.67	32.96	12.48	29.51	100	60	A	H
802.11ax		5356.56	62.5	-11.5	74	46.57	32.81	12.64	29.52	100	60	P	H
HE40 Full		5350.08	52.08	-1.92	54	36.18	32.8	12.62	29.52	100	60	A	H
CH 62		5035.02	53.5	-20.5	74	38.18	32.89	11.85	29.42	319	114	P	V
5310MHz		5099.28	43.97	-10.03	54	28.27	33.19	11.95	29.44	319	114	A	V
	*	5310	105.09	-	-	89.16	32.96	12.48	29.51	319	114	P	V
	*	5310	94.36	-	-	78.43	32.96	12.48	29.51	319	114	A	V
		5350.08	63.01	-10.99	74	47.11	32.8	12.62	29.52	319	114	P	V
		5350.08	49.49	-4.51	54	33.59	32.8	12.62	29.52	319	114	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	49.62	-18.58	68.2	47.4	38.76	18.94	55.48	-	-	P	H
		10740	48.8	-25.2	74	46.18	39.08	18.97	55.43	-	-	P	H
		10740	38.05	-15.95	54	35.43	39.08	18.97	55.43	-	-	A	H
		14471	48.55	-25.45	74	40.74	40.4	21.73	54.32	-	-	P	H
		14471	42.66	-11.34	54	34.85	40.4	21.73	54.32	-	-	A	H
		15810	45.5	-28.5	74	40.02	37.72	22.85	55.09	-	-	P	H
		17956	53.46	-20.54	74	41.92	42.65	25.46	56.57	-	-	P	H
		17956	43.2	-10.8	54	31.66	42.65	25.46	56.57	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	52.77	-15.43	68.2	50.55	38.76	18.94	55.48	-	-	P	V
5270MHz		10751	48.82	-25.18	74	46.19	39.1	18.96	55.43	-	-	P	V
		10751	38.05	-15.95	54	35.42	39.1	18.96	55.43	-	-	A	V
		14471	48.37	-25.63	74	40.56	40.4	21.73	54.32	-	-	P	V
		14471	42.55	-11.45	54	34.74	40.4	21.73	54.32	-	-	A	V
		15810	45.82	-28.18	74	40.34	37.72	22.85	55.09	-	-	P	V
		17967	53.34	-20.66	74	41.72	42.74	25.46	56.58	-	-	P	V
		17967	43.15	-10.85	54	31.53	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	47.28	-26.72	74	44.79	39	18.95	55.46	-	-	P	H
		14471	48.72	-25.28	74	40.91	40.4	21.73	54.32	-	-	P	H
		14471	42.53	-11.47	54	34.72	40.4	21.73	54.32	-	-	A	H
		15930	45.99	-28.01	74	40.52	37.81	22.93	55.27	-	-	P	H
		17934	52.87	-21.13	74	41.51	42.47	25.45	56.56	-	-	P	H
		17934	42.88	-11.12	54	31.52	42.47	25.45	56.56	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	50.95	-23.05	74	48.46	39	18.95	55.46	100	116	P	V
5310MHz		10620	41.19	-12.81	54	38.7	39	18.95	55.46	100	116	A	V
		14471	47.6	-26.4	74	39.79	40.4	21.73	54.32	-	-	P	V
		14471	42.5	-11.5	54	34.69	40.4	21.73	54.32	-	-	A	V
		15930	46.73	-27.27	74	41.26	37.81	22.93	55.27	-	-	P	V
		17967	53.56	-20.44	74	41.94	42.74	25.46	56.58	-	-	P	V
		17967	43.06	-10.94	54	31.44	42.74	25.46	56.58	-	-	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 HE80 Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		5105.74	55.22	-18.78	74	39.53	33.17	11.96	29.44	100	60	P	H
		5105.4	45.68	-8.32	54	29.99	33.17	11.96	29.44	100	60	A	H
	*	5290	104.65	-	-	88.75	32.98	12.42	29.5	100	60	P	H
	*	5290	95.09	-	-	79.19	32.98	12.42	29.5	100	60	A	H
		5350.32	61.61	-12.39	74	45.71	32.8	12.62	29.52	100	60	P	H
		5353.92	51.86	-2.14	54	35.94	32.81	12.63	29.52	100	60	A	H
		5062.9	54.08	-19.92	74	38.71	32.9	11.9	29.43	325	115	P	V
		5094.18	44.8	-9.2	54	29.14	33.15	11.95	29.44	325	115	A	V
	*	5290	102.59	-	-	86.69	32.98	12.42	29.5	325	115	P	V
	*	5290	92	-	-	76.1	32.98	12.42	29.5	325	115	A	V
		5353.2	57.57	-16.43	74	41.65	32.81	12.63	29.52	325	115	P	V
		5351.52	47.96	-6.04	54	32.05	32.8	12.63	29.52	325	115	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.94	-21.26	68.2	44.55	38.92	18.94	55.47	-	-	P	H
		10993	48.6	-25.4	74	46.07	38.89	19.01	55.37	-	-	P	H
		10993	38.38	-15.62	54	35.85	38.89	19.01	55.37	-	-	A	H
		14471	47.68	-26.32	74	39.87	40.4	21.73	54.32	-	-	P	H
		14471	42.58	-11.42	54	34.77	40.4	21.73	54.32	-	-	A	H
		15870	45.68	-28.32	74	40.13	37.84	22.89	55.18	-	-	P	H
		17967	53.68	-20.32	74	42.06	42.74	25.46	56.58	-	-	P	H
		17967	43.16	-10.84	54	31.54	42.74	25.46	56.58	-	-	A	H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	47.39	-20.81	68.2	45	38.92	18.94	55.47	-	-	P	V
5290MHz		11070	49.31	-24.69	74	46.68	38.9	19.05	55.32	-	-	P	V
		11070	38.43	-15.57	54	35.8	38.9	19.05	55.32	-	-	A	V
		14471	48.7	-25.3	74	40.89	40.4	21.73	54.32	-	-	P	V
		14471	42.25	-11.75	54	34.44	40.4	21.73	54.32	-	-	A	V
		15870	45.65	-28.35	74	40.1	37.84	22.89	55.18	-	-	P	V
		17967	53.09	-20.91	74	41.47	42.74	25.46	56.58	-	-	P	V
		17967	43.15	-10.85	54	31.53	42.74	25.46	56.58	-	-	A	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.6	63.19	-10.81	74	47.05	32.88	12.82	29.56	111	58	P	H
		5466.64	65.14	-3.06	68.2	49.01	32.87	12.82	29.56	111	58	P	H
		5459.6	47.15	-6.85	54	31.01	32.88	12.82	29.56	111	58	A	H
	*	5500	112.93	-	-	96.86	32.8	12.84	29.57	111	58	P	H
	*	5500	104.79	-	-	88.72	32.8	12.84	29.57	111	58	A	H
													H
		5459.28	58.04	-15.96	74	41.9	32.88	12.82	29.56	314	113	P	V
		5469.04	61.12	-7.08	68.2	45	32.86	12.82	29.56	314	113	P	V
		5460	45.76	-8.24	54	29.62	32.88	12.82	29.56	314	113	A	V
	*	5500	110.75	-	-	94.68	32.8	12.84	29.57	314	113	P	V
	*	5500	102.81	-	-	86.74	32.8	12.84	29.57	314	113	A	V
													V
802.11a CH 116 5580MHz		5452.48	60.23	-13.77	74	44.07	32.9	12.81	29.55	100	58	P	H
		5461.12	55.57	-12.63	68.2	39.43	32.88	12.82	29.56	100	58	P	H
		5443.36	45.32	-8.68	54	29.16	32.9	12.81	29.55	100	58	A	H
	*	5580	113.14	-	-	96.81	33.04	12.87	29.58	100	58	P	H
	*	5580	105.39	-	-	89.06	33.04	12.87	29.58	100	58	A	H
		5729.09	56.23	-11.97	68.2	39.42	33.47	12.95	29.61	100	58	P	H
		5458.48	57.46	-16.54	74	41.32	32.88	12.82	29.56	303	110	P	V
		5461.36	54.78	-13.42	68.2	38.64	32.88	12.82	29.56	303	110	P	V
		5420.56	44.46	-9.54	54	28.3	32.9	12.8	29.54	303	110	A	V
	*	5580	111.4	-	-	95.07	33.04	12.87	29.58	303	110	P	V
	*	5580	103.2	-	-	86.87	33.04	12.87	29.58	303	110	A	V
		5741.69	55.04	-13.16	68.2	38.14	33.55	12.96	29.61	303	110	P	V

802.11a CH 140 5700MHz	*	5700	110.81	-	-	94.19	33.3	12.93	29.61	100	58	P	H
	*	5700	103.11	-	-	86.49	33.3	12.93	29.61	100	58	A	H
		5728.28	66.63	-1.57	68.2	49.82	33.47	12.95	29.61	100	58	P	H
													H
													H
													H
	*	5700	108.97	-	-	92.35	33.3	12.93	29.61	350	104	P	V
	*	5700	101.35	-	-	84.73	33.3	12.93	29.61	350	104	A	V
		5735	64.54	-3.66	68.2	47.69	33.51	12.95	29.61	350	104	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	47.43	-26.57	74	44.89	38.9	19.01	55.37	-	-	P	H
		14471	47.8	-26.2	74	39.99	40.4	21.73	54.32	-	-	P	H
		14471	42.56	-11.44	54	34.75	40.4	21.73	54.32	-	-	A	H
		16500	47.55	-20.65	68.2	39.93	38.5	23.98	54.86	-	-	P	H
		17901	53.46	-20.54	74	42.35	42.21	25.43	56.53	-	-	P	H
		17901	42.58	-11.42	54	31.47	42.21	25.43	56.53	-	-	A	H
													H
													H
													H
													H
													H
802.11a CH 100 5500MHz													H
		11000	54.83	-19.17	74	52.29	38.9	19.01	55.37	100	120	P	V
		11000	44.23	-9.77	54	41.69	38.9	19.01	55.37	100	120	A	V
		14471	49.17	-24.83	74	41.36	40.4	21.73	54.32	-	-	P	V
		14471	42.59	-11.41	54	34.78	40.4	21.73	54.32	-	-	A	V
		16500	48.5	-19.7	68.2	40.88	38.5	23.98	54.86	-	-	P	V
		17890	53.48	-20.52	74	42.51	42.08	25.42	56.53	-	-	P	V
		17890	42.94	-11.06	54	31.97	42.08	25.42	56.53	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	49.66	-24.34	74	46.86	38.96	19.09	55.25	100	69	P	H
		11160	39.81	-14.19	54	37.01	38.96	19.09	55.25	100	69	A	H
		14471	49.4	-24.6	74	41.59	40.4	21.73	54.32	-	-	P	H
		14471	42.58	-11.42	54	34.77	40.4	21.73	54.32	-	-	A	H
		16740	48.99	-19.21	68.2	41.66	37.88	24.46	55.01	-	-	P	H
		17956	53.59	-20.41	74	42.05	42.65	25.46	56.57	-	-	P	H
		17956	42.73	-11.27	54	31.19	42.65	25.46	56.57	-	-	A	H
													H
													H
													H
													H
802.11a													H
CH 116		11160	52.88	-21.12	74	50.08	38.96	19.09	55.25	100	120	P	V
5580MHz		11160	43.8	-10.2	54	41	38.96	19.09	55.25	100	120	A	V
		14471	48.14	-25.86	74	40.33	40.4	21.73	54.32	-	-	P	V
		14471	42.19	-11.81	54	34.38	40.4	21.73	54.32	-	-	A	V
		16740	49.58	-18.62	68.2	42.25	37.88	24.46	55.01	-	-	P	V
		17901	53.17	-20.83	74	42.06	42.21	25.43	56.53	-	-	P	V
		17901	42.58	-11.42	54	31.47	42.21	25.43	56.53	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	47.08	-26.92	74	43.76	39.2	19.19	55.07	-	-	P	H
		14471	48.46	-25.54	74	40.65	40.4	21.73	54.32	-	-	P	H
		14471	42.66	-11.34	54	34.85	40.4	21.73	54.32	-	-	A	H
		17100	47.35	-20.85	68.2	40.02	37.7	25.03	55.4	-	-	P	H
		17934	53.03	-20.97	74	41.67	42.47	25.45	56.56	-	-	P	H
		17934	42.8	-11.2	54	31.44	42.47	25.45	56.56	-	-	A	H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz													H
		11400	47.43	-26.57	74	44.11	39.2	19.19	55.07	-	-	P	V
		14471	48.14	-25.86	74	40.33	40.4	21.73	54.32	-	-	P	V
		14471	42.37	-11.63	54	34.56	40.4	21.73	54.32	-	-	A	V
		17100	47.61	-20.59	68.2	40.28	37.7	25.03	55.4	-	-	P	V
		17956	54.08	-19.92	74	42.54	42.65	25.46	56.57	-	-	P	V
		17956	43.17	-10.83	54	31.63	42.65	25.46	56.57	-	-	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.52	65.82	-8.18	74	49.68	32.88	12.82	29.56	100	57	P	H
		5460.4	66.26	-1.94	68.2	50.12	32.88	12.82	29.56	100	57	P	H
		5459.12	46.82	-7.18	54	30.68	32.88	12.82	29.56	100	57	A	H
	*	5500	112.57	-	-	96.5	32.8	12.84	29.57	100	57	P	H
802.11ax	*	5500	102.1	-	-	86.03	32.8	12.84	29.57	100	57	A	H
HE20 Full		5457.52	59.29	-14.71	74	43.15	32.88	12.82	29.56	312	113	P	V
CH 100		5468.56	59.72	-8.48	68.2	43.6	32.86	12.82	29.56	312	113	P	V
5500MHz		5459.92	45.35	-8.65	54	29.21	32.88	12.82	29.56	312	113	A	V
	*	5500	109.18	-	-	93.11	32.8	12.84	29.57	312	113	P	V
	*	5500	99.32	-	-	83.25	32.8	12.84	29.57	312	113	A	V
													V
													V
		5448.64	60.69	-13.31	74	44.53	32.9	12.81	29.55	100	59	P	H
		5460	54.47	-13.73	68.2	38.33	32.88	12.82	29.56	100	59	P	H
		5451.28	45.37	-8.63	54	29.21	32.9	12.81	29.55	100	59	A	H
	*	5580	114.56	-	-	98.23	33.04	12.87	29.58	100	59	P	H
802.11ax	*	5580	103.84	-	-	87.51	33.04	12.87	29.58	100	59	A	H
HE20 Full		5737.28	58.25	-9.95	68.2	41.38	33.52	12.96	29.61	100	59	P	H
CH 116		5436.88	58.03	-15.97	74	41.87	32.9	12.81	29.55	322	110	P	V
5580MHz		5466.4	55.24	-12.96	68.2	39.11	32.87	12.82	29.56	322	110	P	V
		5426.08	44.78	-9.22	54	28.63	32.9	12.8	29.55	322	110	A	V
	*	5580	112.49	-	-	96.16	33.04	12.87	29.58	322	110	P	V
	*	5580	102.15	-	-	85.82	33.04	12.87	29.58	322	110	A	V
		5733.5	54.83	-13.37	68.2	37.99	33.5	12.95	29.61	322	110	P	V

	*	5700	110.19	-	-	93.57	33.3	12.93	29.61	100	57	P	H
	*	5700	99.36	-	-	82.74	33.3	12.93	29.61	100	57	A	H
		5725.32	66.23	-1.97	68.2	49.44	33.45	12.95	29.61	100	57	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	108.4	-	-	91.78	33.3	12.93	29.61	310	113	P	V
5700MHz	*	5700	97.98	-	-	81.36	33.3	12.93	29.61	310	113	A	V
		5725.08	60.85	-7.35	68.2	44.06	33.45	12.95	29.61	310	113	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	49.61	-24.39	74	47.07	38.9	19.01	55.37	100	66	P	H
		11000	38.7	-15.3	54	36.16	38.9	19.01	55.37	100	66	A	H
		14471	48.43	-25.57	74	40.62	40.4	21.73	54.32	-	-	P	H
		14471	42.65	-11.35	54	34.84	40.4	21.73	54.32	-	-	A	H
		16500	47.91	-20.29	68.2	40.29	38.5	23.98	54.86	-	-	P	H
		17956	53.93	-20.07	74	42.39	42.65	25.46	56.57	-	-	P	H
		17956	43.4	-10.6	54	31.86	42.65	25.46	56.57	-	-	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	51.68	-22.32	74	49.14	38.9	19.01	55.37	100	271	P	V
5500MHz		11000	42.52	-11.48	54	39.98	38.9	19.01	55.37	100	271	A	V
		14471	48.17	-25.83	74	40.36	40.4	21.73	54.32	-	-	P	V
		14471	42.25	-11.75	54	34.44	40.4	21.73	54.32	-	-	A	V
		16500	46.84	-21.36	68.2	39.22	38.5	23.98	54.86	-	-	P	V
		17901	52.59	-21.41	74	41.48	42.21	25.43	56.53	-	-	P	V
		17901	42.74	-11.26	54	31.63	42.21	25.43	56.53	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	48.93	-25.07	74	46.13	38.96	19.09	55.25	100	69	P	H
		11160	39.65	-14.35	54	36.85	38.96	19.09	55.25	100	69	A	H
		14471	47.49	-26.51	74	39.68	40.4	21.73	54.32	-	-	P	H
		14471	42.13	-11.87	54	34.32	40.4	21.73	54.32	-	-	A	H
		16740	48.43	-19.77	68.2	41.1	37.88	24.46	55.01	-	-	P	H
		17956	52.81	-21.19	74	41.27	42.65	25.46	56.57	-	-	P	H
		17956	43.17	-10.83	54	31.63	42.65	25.46	56.57	-	-	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	52.39	-21.61	74	49.59	38.96	19.09	55.25	100	273	P	V
5580MHz		11160	43.55	-10.45	54	40.75	38.96	19.09	55.25	100	273	A	V
		14471	47.9	-26.1	74	40.09	40.4	21.73	54.32	-	-	P	V
		14471	42.69	-11.31	54	34.88	40.4	21.73	54.32	-	-	A	V
		16740	51.86	-16.34	68.2	44.53	37.88	24.46	55.01	-	-	P	V
		17967	53.12	-20.88	74	41.5	42.74	25.46	56.58	-	-	P	V
		17967	42.84	-11.16	54	31.22	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	47.4	-26.6	74	44.08	39.2	19.19	55.07	-	-	P	H
		14471	47.78	-26.22	74	39.97	40.4	21.73	54.32	-	-	P	H
		14471	42.25	-11.75	54	34.44	40.4	21.73	54.32	-	-	A	H
		17100	47.75	-20.45	68.2	40.42	37.7	25.03	55.4	-	-	P	H
		17945	53.61	-20.39	74	42.16	42.56	25.45	56.56	-	-	P	H
		17945	42.81	-11.19	54	31.36	42.56	25.45	56.56	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	46.93	-27.07	74	43.61	39.2	19.19	55.07	-	-	P	V
5700MHz		14471	49.42	-24.58	74	41.61	40.4	21.73	54.32	-	-	P	V
		14471	42.65	-11.35	54	34.84	40.4	21.73	54.32	-	-	A	V
		17100	46.92	-21.28	68.2	39.59	37.7	25.03	55.4	-	-	P	V
		17967	53.01	-20.99	74	41.39	42.74	25.46	56.58	-	-	P	V
		17967	43.15	-10.85	54	31.53	42.74	25.46	56.58	-	-	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.92	58.12	-15.88	74	41.98	32.88	12.82	29.56	100	58	P	H
		5468.8	66.35	-1.85	68.2	50.23	32.86	12.82	29.56	100	58	P	H
		5459.92	45.83	-8.17	54	29.69	32.88	12.82	29.56	100	58	A	H
	*	5510	107.63	-	-	91.56	32.8	12.84	29.57	100	58	P	H
802.11ax	*	5510	96.21	-	-	80.14	32.8	12.84	29.57	100	58	A	H
HE40 Full		5760.59	55.72	-12.48	68.2	38.75	33.62	12.97	29.62	100	58	P	H
CH 102		5386.96	55.96	-18.04	74	39.87	32.87	12.75	29.53	365	112	P	V
5510MHz		5469.28	58.16	-10.04	68.2	42.04	32.86	12.82	29.56	365	112	P	V
		5459.68	44.31	-9.69	54	28.17	32.88	12.82	29.56	365	112	A	V
	*	5510	104.77	-	-	88.7	32.8	12.84	29.57	365	112	P	V
	*	5510	102.74	-	-	86.67	32.8	12.84	29.57	365	112	A	V
		5763.425	55.51	-12.69	68.2	38.53	33.63	12.97	29.62	365	112	P	V
		5404.24	60.74	-13.26	74	44.59	32.9	12.79	29.54	100	59	P	H
		5465.2	61.48	-6.72	68.2	45.35	32.87	12.82	29.56	100	59	P	H
		5458.96	47.51	-6.49	54	31.37	32.88	12.82	29.56	100	59	A	H
	*	5550	111.64	-	-	95.56	32.8	12.86	29.58	100	59	P	H
802.11ax	*	5550	101.5	-	-	85.42	32.8	12.86	29.58	100	59	A	H
HE40 Full		5764.37	55.59	-12.61	68.2	38.61	33.63	12.97	29.62	100	59	P	H
CH 110		5420.08	56.86	-17.14	74	40.7	32.9	12.8	29.54	362	109	P	V
5550MHz		5468.56	56.81	-11.39	68.2	40.69	32.86	12.82	29.56	362	109	P	V
		5459.44	45.64	-8.36	54	29.5	32.88	12.82	29.56	362	109	A	V
	*	5550	109.08	-	-	93	32.8	12.86	29.58	362	109	P	V
	*	5550	99.2	-	-	83.12	32.8	12.86	29.58	362	109	A	V
		5753.345	55.46	-12.74	68.2	38.51	33.61	12.96	29.62	362	109	P	V

		5449.05	54.59	-19.41	74	38.43	32.9	12.81	29.55	108	58	P	H
		5463.75	54.41	-13.79	68.2	38.28	32.87	12.82	29.56	108	58	P	H
		5455	44.43	-9.57	54	28.29	32.89	12.81	29.56	108	58	A	H
	*	5670	110.37	-	-	93.75	33.3	12.92	29.6	108	58	P	H
802.11ax	*	5670	99.85	-	-	83.23	33.3	12.92	29.6	108	58	A	H
HE40 Full		5725.625	66.22	-1.98	68.2	49.43	33.45	12.95	29.61	108	58	P	H
CH 134		5418.95	54.75	-19.25	74	38.59	32.9	12.8	29.54	361	110	P	V
5670MHz		5462.7	54.28	-13.92	68.2	38.15	32.87	12.82	29.56	361	110	P	V
		5430.85	44.01	-9.99	54	27.86	32.9	12.8	29.55	361	110	A	V
	*	5670	107.29	-	-	90.67	33.3	12.92	29.6	361	110	P	V
	*	5670	97.77	-	-	81.15	33.3	12.92	29.6	361	110	A	V
		5728.95	62.69	-5.51	68.2	45.88	33.47	12.95	29.61	361	110	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	46.62	-27.38	74	44.06	38.9	19.02	55.36	-	-	P	H
		14471	48.98	-25.02	74	41.17	40.4	21.73	54.32	-	-	P	H
		14471	42.62	-11.38	54	34.81	40.4	21.73	54.32	-	-	A	H
		16530	46.55	-21.65	68.2	38.95	38.44	24.04	54.88	-	-	P	H
		17945	53.53	-20.47	74	42.08	42.56	25.45	56.56	-	-	P	H
		17945	42.86	-11.14	54	31.41	42.56	25.45	56.56	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	46.63	-27.37	74	44.07	38.9	19.02	55.36	-	-	P	V
5510MHz		14471	48.13	-25.87	74	40.32	40.4	21.73	54.32	-	-	P	V
		14471	42.04	-11.96	54	34.23	40.4	21.73	54.32	-	-	A	V
		16530	46.97	-21.23	68.2	39.37	38.44	24.04	54.88	-	-	P	V
		17978	53.59	-20.41	74	41.89	42.82	25.47	56.59	-	-	P	V
		17978	42.93	-11.07	54	31.23	42.82	25.47	56.59	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	46.64	-27.36	74	43.98	38.9	19.06	55.3	-	-	P	H
		14471	49.52	-24.48	74	41.71	40.4	21.73	54.32	-	-	P	H
		14471	42.47	-11.53	54	34.66	40.4	21.73	54.32	-	-	A	H
		16650	47.44	-20.76	68.2	39.97	38.15	24.28	54.96	-	-	P	H
		17978	52.65	-21.35	74	40.95	42.82	25.47	56.59	-	-	P	H
		17978	43.53	-10.47	54	31.83	42.82	25.47	56.59	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	51.24	-22.76	74	48.58	38.9	19.06	55.3	100	272	P	V
5550MHz		11100	42.15	-11.85	54	39.49	38.9	19.06	55.3	100	272	A	V
		14471	47.9	-26.1	74	40.09	40.4	21.73	54.32	-	-	P	V
		14471	42.04	-11.96	54	34.23	40.4	21.73	54.32	-	-	A	V
		16650	48.01	-20.19	68.2	40.54	38.15	24.28	54.96	-	-	P	V
		17967	52.9	-21.1	74	41.28	42.74	25.46	56.58	-	-	P	V
		17967	43.2	-10.8	54	31.58	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	47.61	-26.39	74	44.37	39.2	19.16	55.12	-	-	P	H
		14471	48.72	-25.28	74	40.91	40.4	21.73	54.32	-	-	P	H
		14471	42.35	-11.65	54	34.54	40.4	21.73	54.32	-	-	A	H
		17010	48.35	-19.85	68.2	40.86	37.7	24.99	55.2	-	-	P	H
		17956	53.57	-20.43	74	42.03	42.65	25.46	56.57	-	-	P	H
		17956	43.17	-10.83	54	31.63	42.65	25.46	56.57	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	47.85	-26.15	74	44.61	39.2	19.16	55.12	-	-	P	V
5670MHz		14471	48.7	-25.3	74	40.89	40.4	21.73	54.32	-	-	P	V
		14471	42.55	-11.45	54	34.74	40.4	21.73	54.32	-	-	A	V
		17010	48.24	-19.96	68.2	40.75	37.7	24.99	55.2	-	-	P	V
		17956	53.93	-20.07	74	42.39	42.65	25.46	56.57	-	-	P	V
		17956	43.07	-10.93	54	31.53	42.65	25.46	56.57	-	-	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5450.56	59.4	-14.6	74	43.24	32.9	12.81	29.55	100	57	P	H
		5468.56	65.02	-3.18	68.2	48.9	32.86	12.82	29.56	100	57	P	H
		5454.64	51.05	-2.95	54	34.91	32.89	12.81	29.56	100	57	A	H
	*	5530	103.06	-	-	86.99	32.8	12.85	29.58	100	57	P	H
802.11ax	*	5530	93.72	-	-	77.65	32.8	12.85	29.58	100	57	A	H
HE80 Full		5742.95	56.74	-11.46	68.2	39.83	33.56	12.96	29.61	100	57	P	H
CH 106		5459.92	57.36	-16.64	74	41.22	32.88	12.82	29.56	347	111	P	V
5530MHz		5468.8	58.38	-9.82	68.2	42.26	32.86	12.82	29.56	347	111	P	V
		5458.96	47.35	-6.65	54	31.21	32.88	12.82	29.56	347	111	A	V
	*	5530	101.89	-	-	85.82	32.8	12.85	29.58	347	111	P	V
	*	5530	91.95	-	-	75.88	32.8	12.85	29.58	347	111	A	V
		5727.2	54.09	-14.11	68.2	37.29	33.46	12.95	29.61	347	111	P	V
		5458.85	59.95	-14.05	74	43.81	32.88	12.82	29.56	100	58	P	H
		5466.55	59.44	-8.76	68.2	43.31	32.87	12.82	29.56	100	58	P	H
		5459.2	50.2	-3.8	54	34.06	32.88	12.82	29.56	100	58	A	H
	*	5610	109.44	-	-	92.92	33.22	12.89	29.59	100	58	P	H
802.11ax	*	5610	99.68	-	-	83.16	33.22	12.89	29.59	100	58	A	H
HE80 Full		5733.5	63.28	-4.92	68.2	46.44	33.5	12.95	29.61	100	58	P	H
CH 122		5456.75	57.65	-16.35	74	41.5	32.89	12.82	29.56	354	110	P	V
5610MHz		5467.25	58.86	-9.34	68.2	42.73	32.87	12.82	29.56	354	110	P	V
		5458.5	48.53	-5.47	54	32.39	32.88	12.82	29.56	354	110	A	V
	*	5610	107.93	-	-	91.41	33.22	12.89	29.59	354	110	P	V
	*	5610	98.34	-	-	81.82	33.22	12.89	29.59	354	110	A	V
		5737.525	61.04	-7.16	68.2	44.16	33.53	12.96	29.61	354	110	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.22	-26.78	74	44.61	38.9	19.04	55.33	-	-	P	H
		14471	49.61	-24.39	74	41.8	40.4	21.73	54.32	-	-	P	H
		14471	42.47	-11.53	54	34.66	40.4	21.73	54.32	-	-	A	H
		16590	49.16	-19.04	68.2	41.6	38.32	24.16	54.92	-	-	P	H
		17923	54.09	-19.91	74	42.81	42.38	25.45	56.55	-	-	P	H
		17923	43.12	-10.88	54	31.84	42.38	25.45	56.55	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	47.35	-26.65	74	44.74	38.9	19.04	55.33	-	-	P	V
5530MHz		14471	48	-26	74	40.19	40.4	21.73	54.32	-	-	P	V
		14471	42.56	-11.44	54	34.75	40.4	21.73	54.32	-	-	A	V
		16590	48.08	-20.12	68.2	40.52	38.32	24.16	54.92	-	-	P	V
		17978	53.7	-20.3	74	42	42.82	25.47	56.59	-	-	P	V
		17978	43.13	-10.87	54	31.43	42.82	25.47	56.59	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	47.94	-26.06	74	45	39.04	19.11	55.21	-	-	P	H
		14471	48.24	-25.76	74	40.43	40.4	21.73	54.32	-	-	P	H
		14471	42.39	-11.61	54	34.58	40.4	21.73	54.32	-	-	A	H
		16830	49.39	-18.81	68.2	42.11	37.7	24.65	55.07	-	-	P	H
		17956	54.02	-19.98	74	42.48	42.65	25.46	56.57	-	-	P	H
		17956	43.02	-10.98	54	31.48	42.65	25.46	56.57	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	47.82	-26.18	74	44.88	39.04	19.11	55.21	-	-	P	V
5610MHz		14471	50.05	-23.95	74	42.24	40.4	21.73	54.32	-	-	P	V
		14471	42.47	-11.53	54	34.66	40.4	21.73	54.32	-	-	A	V
		16830	48.34	-19.86	68.2	41.06	37.7	24.65	55.07	-	-	P	V
		17978	53.81	-20.19	74	42.11	42.82	25.47	56.59	-	-	P	V
		17978	43.34	-10.66	54	31.64	42.82	25.47	56.59	-	-	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.08	62.89	-11.11	74	46.74	32.89	12.82	29.56	100	58	P	H
		5466.4	64.13	-4.07	68.2	48	32.87	12.82	29.56	100	58	P	H
		5456.32	52.3	-1.7	54	36.15	32.89	12.82	29.56	100	58	A	H
	*	5570	102.35	-	-	86.1	32.96	12.87	29.58	100	58	P	H
802.11ax	*	5570	91.83	-	-	75.58	32.96	12.87	29.58	100	58	A	H
HE160 Full		5726.255	61.52	-6.68	68.2	44.72	33.46	12.95	29.61	100	58	P	H
CH 114		5458.72	59.93	-14.07	74	43.79	32.88	12.82	29.56	363	111	P	V
5570MHz		5463.04	60.82	-7.38	68.2	44.69	32.87	12.82	29.56	363	111	P	V
		5458.48	49.19	-4.81	54	33.05	32.88	12.82	29.56	363	111	A	V
	*	5570	99.28	-	-	83.03	32.96	12.87	29.58	363	111	P	V
	*	5570	89.24	-	-	72.99	32.96	12.87	29.58	363	111	A	V
		5727.83	59.51	-8.69	68.2	42.7	33.47	12.95	29.61	363	111	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11140	47.09	-26.91	74	44.35	38.94	19.07	55.27	-	-	P	H
		14471	48.73	-25.27	74	40.92	40.4	21.73	54.32	-	-	P	H
		14471	42.58	-11.42	54	34.77	40.4	21.73	54.32	-	-	A	H
		16710	48.55	-19.65	68.2	41.17	37.97	24.4	54.99	-	-	P	H
		17956	54	-20	74	42.46	42.65	25.46	56.57	-	-	P	H
		17956	43.49	-10.51	54	31.95	42.65	25.46	56.57	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 114		11140	47.86	-26.14	74	45.12	38.94	19.07	55.27	-	-	P	V
5570MHz		14471	48.61	-25.39	74	40.8	40.4	21.73	54.32	-	-	P	V
		14471	42.36	-11.64	54	34.55	40.4	21.73	54.32	-	-	A	V
		16710	47.67	-20.53	68.2	40.29	37.97	24.4	54.99	-	-	P	V
		17956	53.66	-20.34	74	42.12	42.65	25.46	56.57	-	-	P	V
		17956	42.97	-11.03	54	31.43	42.65	25.46	56.57	-	-	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.				Limit	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		5440.09	54.33	-19.67	74	38.17	32.9	12.81	29.55	112	58	P	H
		5468.17	53.61	-14.59	68.2	37.49	32.86	12.82	29.56	112	58	P	H
		5455.3	44.3	-9.7	54	28.16	32.89	12.81	29.56	112	58	A	H
	*	5720	112.71	-	-	95.95	33.42	12.95	29.61	112	58	P	H
	*	5720	104.89	-	-	88.13	33.42	12.95	29.61	112	58	A	H
		5851	58.67	-9.53	68.2	41.48	34	12.82	29.63	112	58	P	H
		5423.71	54.64	-19.36	74	38.49	32.9	12.8	29.55	290	119	P	V
		5460.76	54.45	-13.75	68.2	38.31	32.88	12.82	29.56	290	119	P	V
		5449.06	44.35	-9.65	54	28.19	32.9	12.81	29.55	290	119	A	V
	*	5720	111.03	-	-	94.27	33.42	12.95	29.61	290	119	P	V
	*	5720	103.23	-	-	86.47	33.42	12.95	29.61	290	119	A	V
		5850.25	57.66	-10.54	68.2	40.46	34	12.83	29.63	290	119	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	47.7	-26.3	74	44.49	39.04	19.21	55.04	-	-	P	H
		14471	48.06	-25.94	74	40.25	40.4	21.73	54.32	-	-	P	H
		14471	42.58	-11.42	54	34.77	40.4	21.73	54.32	-	-	A	H
		17160	48.26	-19.94	68.2	41.03	37.7	25.06	55.53	-	-	P	H
		17945	53.45	-20.55	74	42	42.56	25.45	56.56	-	-	P	H
		17945	42.81	-11.19	54	31.36	42.56	25.45	56.56	-	-	A	H
													H
													H
													H
													H
													H
802.11a CH 144 5720MHz													H
		11440	51.42	-22.58	74	48.21	39.04	19.21	55.04	100	89	P	V
		11440	41.83	-12.17	54	38.62	39.04	19.21	55.04	100	89	A	V
		14471	48.44	-25.56	74	40.63	40.4	21.73	54.32	-	-	P	V
		14471	42.56	-11.44	54	34.75	40.4	21.73	54.32	-	-	A	V
		17160	49.16	-19.04	68.2	41.93	37.7	25.06	55.53	-	-	P	V
		18000	53.03	-20.97	74	41.15	43	25.48	56.6	-	-	P	V
		18000	43.24	-10.76	54	31.36	43	25.48	56.6	-	-	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 3 - Straddle Channel

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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5353.51	54.25	-19.75	74	38.33	32.81	12.63	29.52	112	59	P	H
		5466.22	54.72	-13.48	68.2	38.59	32.87	12.82	29.56	112	59	P	H
		5431.51	44.49	-9.51	54	28.34	32.9	12.8	29.55	112	59	A	H
	*	5720	113.69	-	-	96.93	33.42	12.95	29.61	112	59	P	H
802.11ax	*	5720	103.49	-	-	86.73	33.42	12.95	29.61	112	59	A	H
HE20 Full		5867.75	59.22	-8.98	68.2	42.09	34	12.77	29.64	112	59	P	H
CH 144		5401.48	54.44	-19.56	74	38.29	32.9	12.79	29.54	338	115	P	V
5720MHz		5466.22	54.32	-13.88	68.2	38.19	32.87	12.82	29.56	338	115	P	V
		5429.95	44.08	-9.92	54	27.93	32.9	12.8	29.55	338	115	A	V
	*	5720	112.43	-	-	95.67	33.42	12.95	29.61	338	115	P	V
	*	5720	102.41	-	-	85.65	33.42	12.95	29.61	338	115	A	V
		5925.75	57.11	-11.09	68.2	40.13	34.05	12.58	29.65	338	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 HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	47.23	-26.77	74	44.02	39.04	19.21	55.04	-	-	P	H
		14471	47.93	-26.07	74	40.12	40.4	21.73	54.32	-	-	P	H
		14471	42.1	-11.9	54	34.29	40.4	21.73	54.32	-	-	A	H
		17160	48.49	-19.71	68.2	41.26	37.7	25.06	55.53	-	-	P	H
		17934	53.57	-20.43	74	42.21	42.47	25.45	56.56	-	-	P	H
		17934	45.58	-8.42	54	34.22	42.47	25.45	56.56	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	51.68	-22.32	74	48.47	39.04	19.21	55.04	100	91	P	V
5720MHz		11440	42.23	-11.77	54	39.02	39.04	19.21	55.04	100	91	A	V
		14471	48.04	-25.96	74	40.23	40.4	21.73	54.32	-	-	P	V
		14471	42.22	-11.78	54	34.41	40.4	21.73	54.32	-	-	A	V
		17160	50.66	-17.54	68.2	43.43	37.7	25.06	55.53	-	-	P	V
		17901	52.84	-21.16	74	41.73	42.21	25.43	56.53	-	-	P	V
		17901	42.41	-11.59	54	31.3	42.21	25.43	56.53	-	-	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 3 - Straddle Channel

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

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5371.84	55.55	-18.45	74	39.55	32.84	12.69	29.53	111	59	P	H
		5463.88	54.8	-13.4	68.2	38.67	32.87	12.82	29.56	111	59	P	H
		5440.48	44.54	-9.46	54	28.38	32.9	12.81	29.55	111	59	A	H
	*	5710	110.88	-	-	94.19	33.36	12.94	29.61	111	59	P	H
802.11ax	*	5710	101.12	-	-	84.43	33.36	12.94	29.61	111	59	A	H
HE40 Full		5856.25	59.65	-8.55	68.2	42.47	34	12.81	29.63	111	59	P	H
CH 142		5385.1	54.81	-19.19	74	38.73	32.87	12.74	29.53	325	115	P	V
5710MHz		5465.83	53.76	-14.44	68.2	37.63	32.87	12.82	29.56	325	115	P	V
		5452.57	44.26	-9.74	54	28.11	32.89	12.81	29.55	325	115	A	V
	*	5710	109.82	-	-	93.13	33.36	12.94	29.61	325	115	P	V
	*	5710	99.86	-	-	83.17	33.36	12.94	29.61	325	115	A	V
		5854	60.63	-7.57	68.2	43.45	34	12.81	29.63	325	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 HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	48.68	-25.32	74	45.42	39.12	19.2	55.06	100	270	P	H
		11420	37.78	-16.22	54	34.52	39.12	19.2	55.06	100	270	A	H
		14471	49.04	-24.96	74	41.23	40.4	21.73	54.32	-	-	P	H
		14471	42.29	-11.71	54	34.48	40.4	21.73	54.32	-	-	A	H
		17130	48.46	-19.74	68.2	41.17	37.7	25.05	55.46	-	-	P	H
		17901	53.56	-20.44	74	42.45	42.21	25.43	56.53	-	-	P	H
		17901	42.59	-11.41	54	31.48	42.21	25.43	56.53	-	-	A	H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	47.6	-26.4	74	44.34	39.12	19.2	55.06	-	-	P	V
5710MHz		14471	48.31	-25.69	74	40.5	40.4	21.73	54.32	-	-	P	V
		14471	42.5	-11.5	54	34.69	40.4	21.73	54.32	-	-	A	V
		17130	49.42	-18.78	68.2	42.13	37.7	25.05	55.46	-	-	P	V
		17945	53.92	-20.08	74	42.47	42.56	25.45	56.56	-	-	P	V
		17945	42.89	-11.11	54	31.44	42.56	25.45	56.56	-	-	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.08	56.78	-17.22	74	40.63	32.89	12.82	29.56	100	58	P	H
		5461.15	56.33	-11.87	68.2	40.19	32.88	12.82	29.56	100	58	P	H
		5454.13	47.12	-6.88	54	30.98	32.89	12.81	29.56	100	58	A	H
	*	5690	108.61	-	-	91.98	33.3	12.93	29.6	100	58	P	H
802.11ax	*	5690	98.86	-	-	82.23	33.3	12.93	29.6	100	58	A	H
HE80 Full		5850	56.98	-11.22	68.2	39.78	34	12.83	29.63	100	58	P	H
CH 138		5437.75	55.01	-18.99	74	38.85	32.9	12.81	29.55	341	115	P	V
5690MHz		5470	53.79	-14.41	68.2	37.67	32.86	12.82	29.56	341	115	P	V
		5436.19	46.16	-7.84	54	30	32.9	12.81	29.55	341	115	A	V
	*	5690	107.33	-	-	90.7	33.3	12.93	29.6	341	115	P	V
	*	5690	97.76	-	-	81.13	33.3	12.93	29.6	341	115	A	V
		5850.25	57.76	-10.44	68.2	40.56	34	12.83	29.63	341	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 Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.53	-26.47	74	44.24	39.2	19.18	55.09	-	-	P	H
		14471	48.08	-25.92	74	40.27	40.4	21.73	54.32	-	-	P	H
		14471	42.5	-11.5	54	34.69	40.4	21.73	54.32	-	-	A	H
		17070	48.38	-19.82	68.2	40.99	37.7	25.02	55.33	-	-	P	H
		17967	53.59	-20.41	74	41.97	42.74	25.46	56.58	-	-	P	H
		17967	43.2	-10.8	54	31.58	42.74	25.46	56.58	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	47.96	-26.04	74	44.67	39.2	19.18	55.09	-	-	P	V
5690MHz		14471	48.11	-25.89	74	40.3	40.4	21.73	54.32	-	-	P	V
		14471	42.69	-11.31	54	34.88	40.4	21.73	54.32	-	-	A	V
		17070	48.97	-19.23	68.2	41.58	37.7	25.02	55.33	-	-	P	V
		17967	53.84	-20.16	74	42.22	42.74	25.46	56.58	-	-	P	V
		17967	43.1	-10.9	54	31.48	42.74	25.46	56.58	-	-	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 802.11a (SHF @ 1m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		24600	38.95	-29.25	68.2	55.94	39.06	-2.83	53.22	-	-	P	H
		35072	42.38	-25.82	68.2	60.18	42.14	-1.41	58.53	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a													H
SHF		21720	37.44	-30.76	68.2	57.31	38.1	-3.27	54.7	-	-	P	V
		29738	39.21	-28.99	68.2	55.69	41.01	-2.26	55.23	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	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)
		95.96	26.58	-16.92	43.5	41.71	15.41	1.77	32.31	-	-	P	H
		187.14	23.53	-19.97	43.5	38.46	14.83	2.47	32.23	-	-	P	H
		331.67	20.73	-25.27	46	29.85	19.93	3.2	32.25	-	-	P	H
		552.83	27.37	-18.63	46	30.11	25.57	4.1	32.41	-	-	P	H
		717.73	34.79	-11.21	46	35.47	27.03	4.66	32.37	-	-	P	H
		795.33	32.18	-13.82	46	31.53	27.97	4.94	32.26	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		35.82	25.98	-14.02	40	35.54	21.81	0.94	32.31	-	-	P	V
		95.96	25.72	-17.78	43.5	40.85	15.41	1.77	32.31	-	-	P	V
		131.85	21.04	-22.46	43.5	33.59	17.65	2.07	32.27	-	-	P	V
		180.35	26.68	-16.82	43.5	41.42	15.05	2.43	32.22	-	-	P	V
		262.8	19.95	-26.05	46	29.34	19.99	2.87	32.25	-	-	P	V
		566.41	27.47	-18.53	46	29.76	26	4.17	32.46	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **Margin 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.				Limit	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. Margin 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. Margin 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. Margin 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

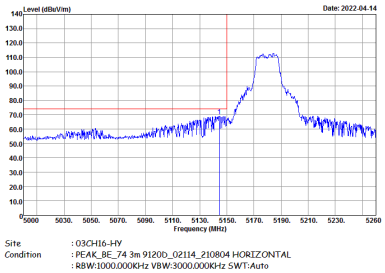
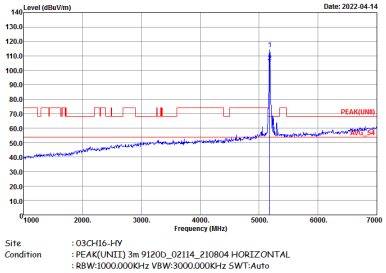
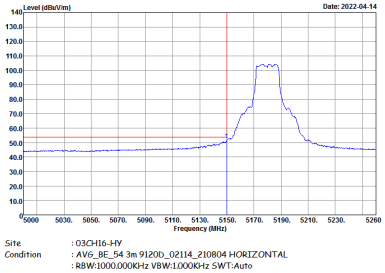
Test Engineer :	Karl Hou and Andy Yang	**Temperature :**	20~25°C
		Relative Humidity :	50~60%

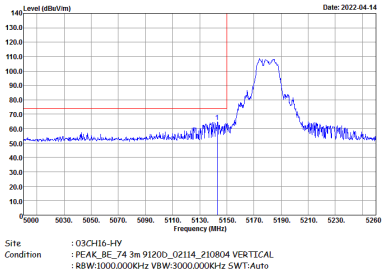
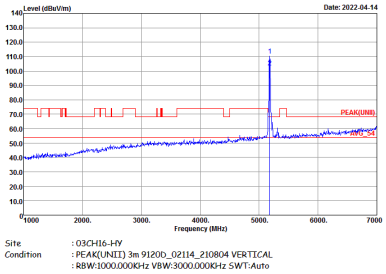
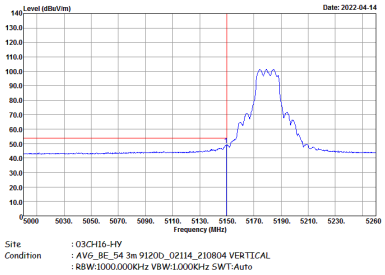
Note symbol

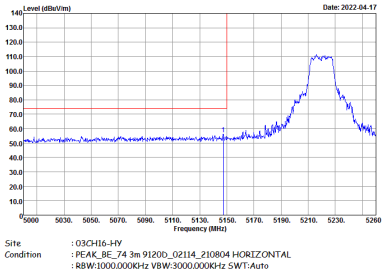
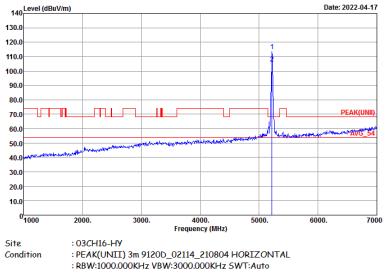
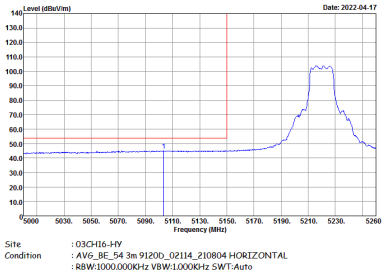
-L	**Low channel location**
-R	**High channel location**

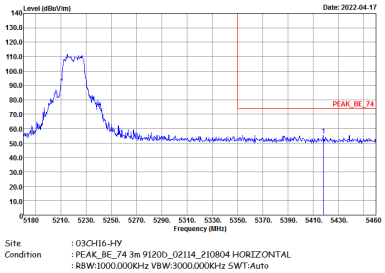
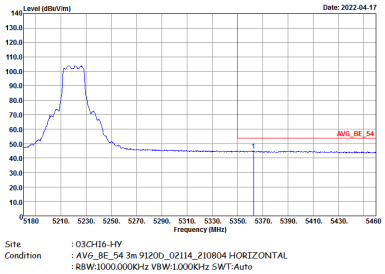
Band 1 - 5150~5250MHz

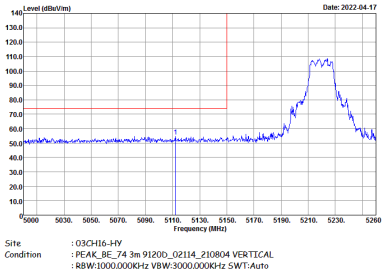
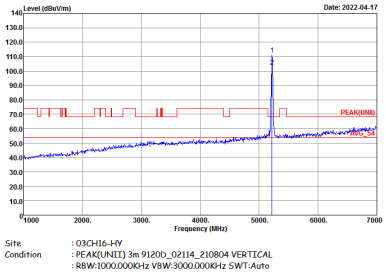
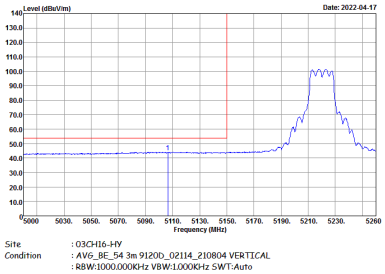
WIFI 802.11a (Band Edge @ 3m)

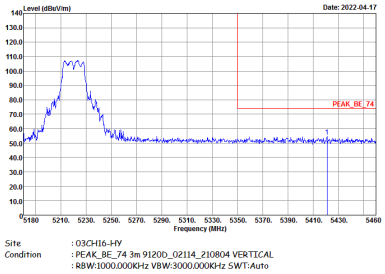
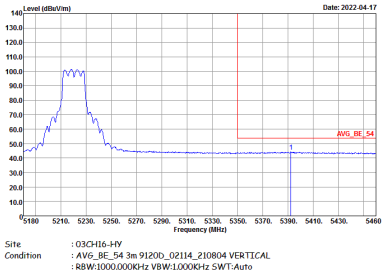
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

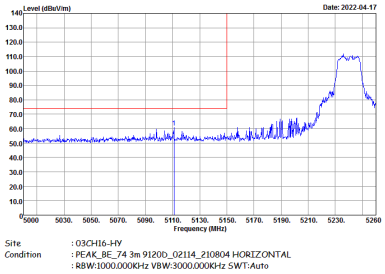
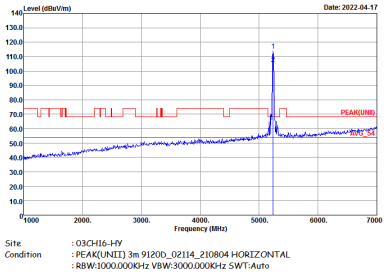
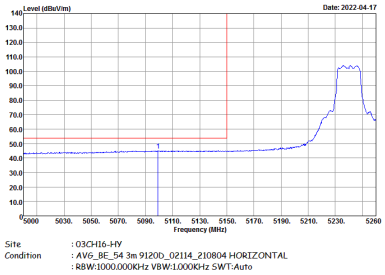
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

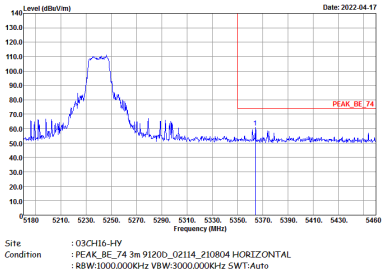
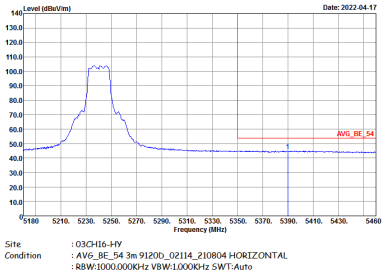
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

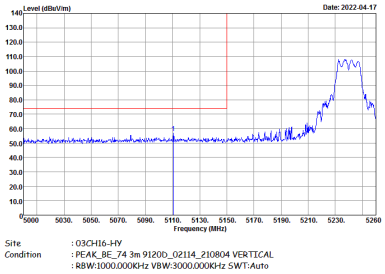
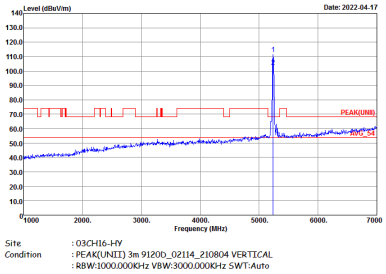
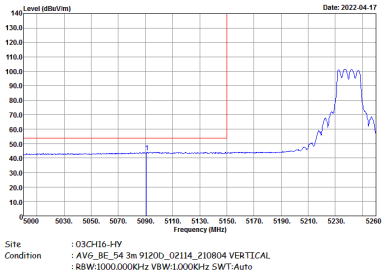
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

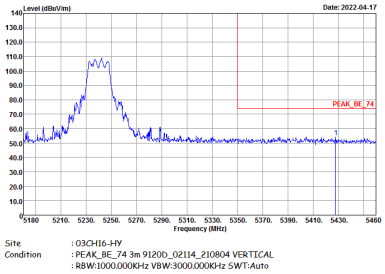
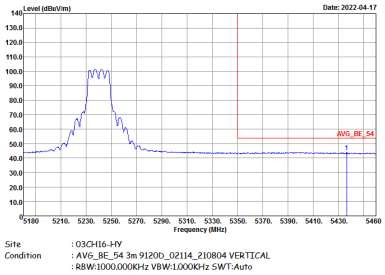
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

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

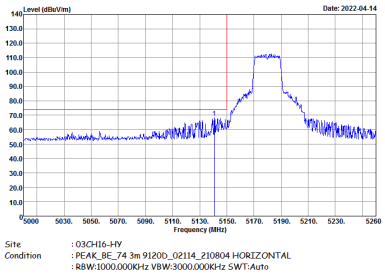
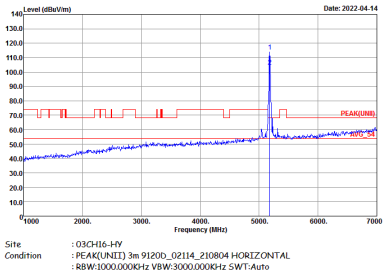
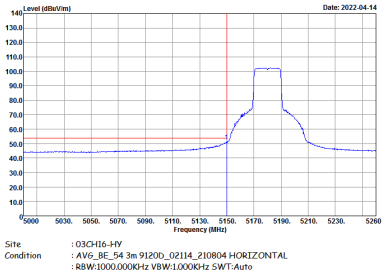
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

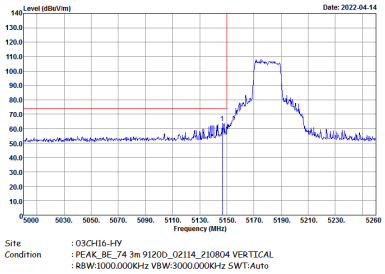
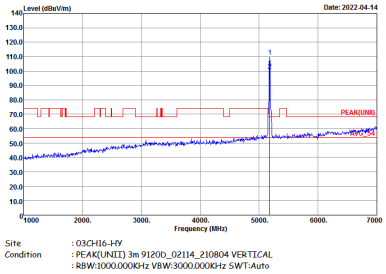
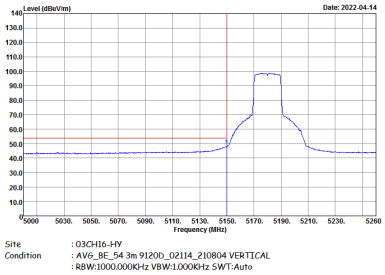
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

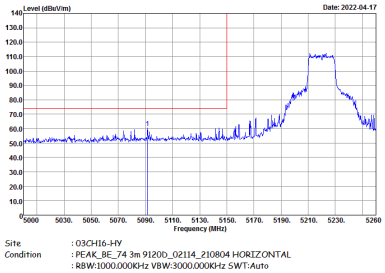
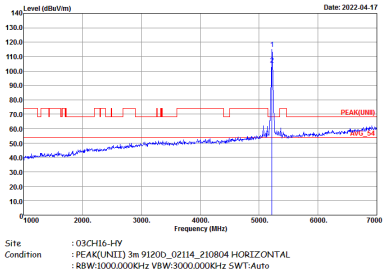
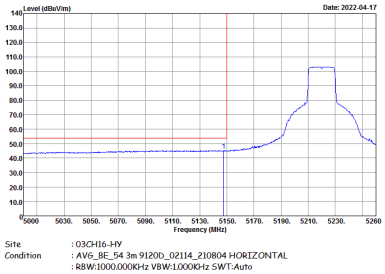
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

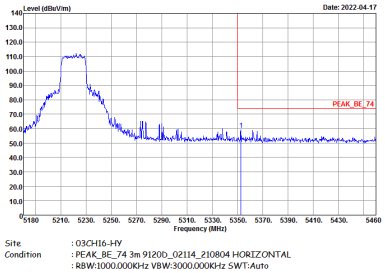
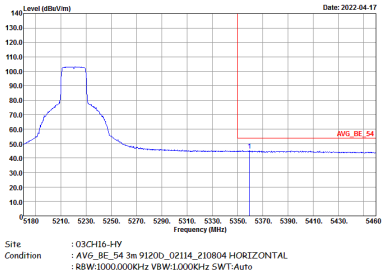
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

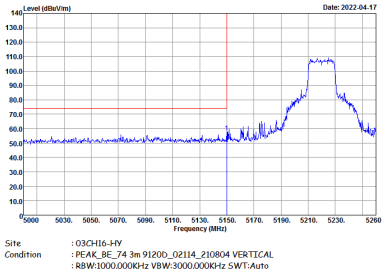
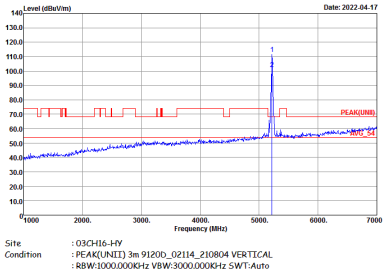
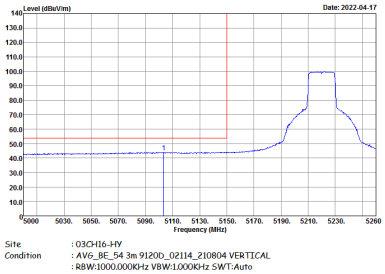
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

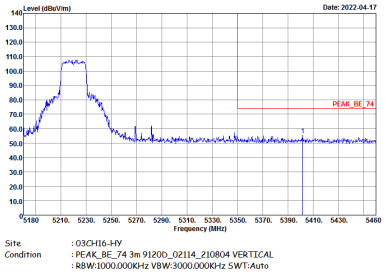
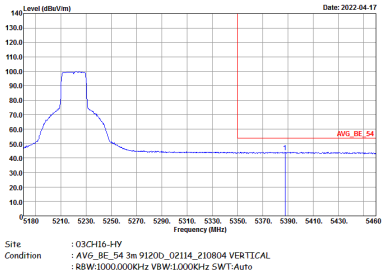
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

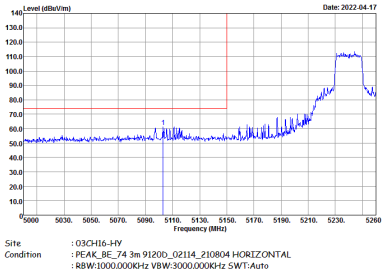
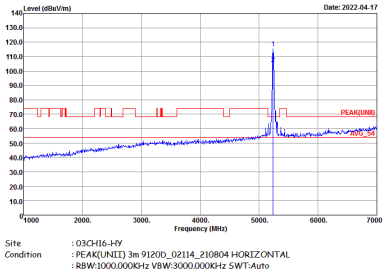
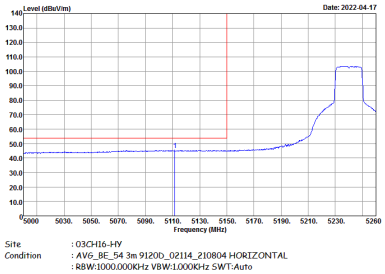
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

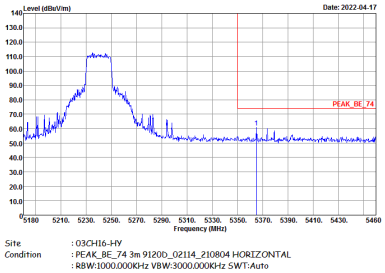
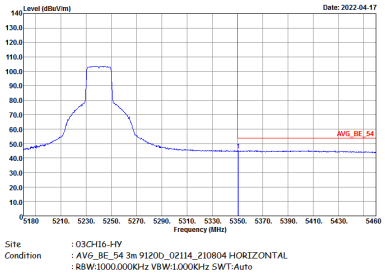
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

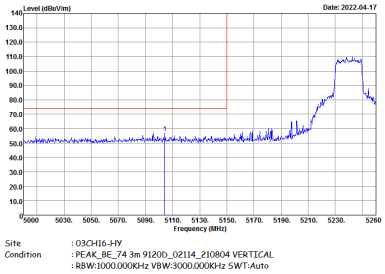
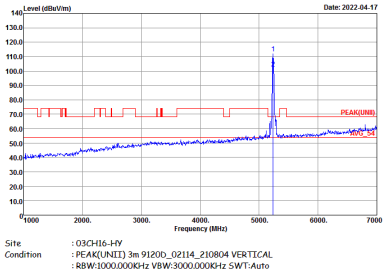
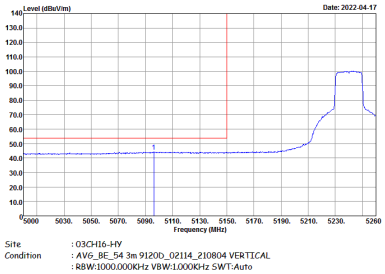
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

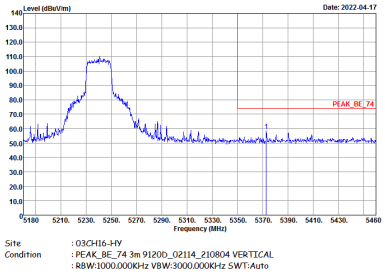
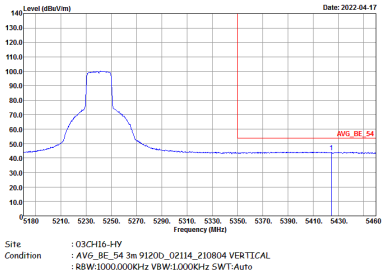
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

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

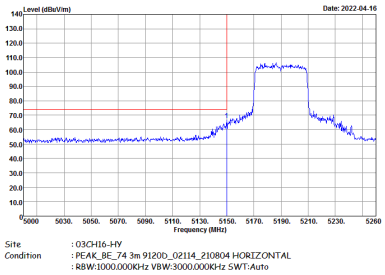
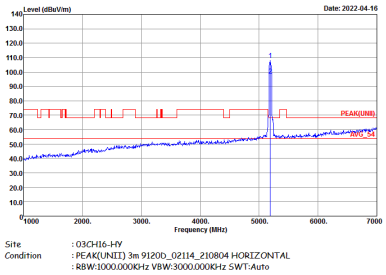
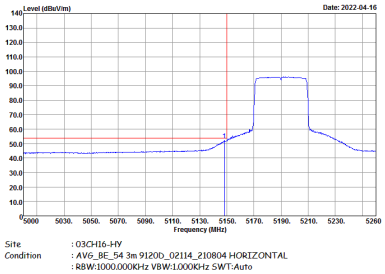
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

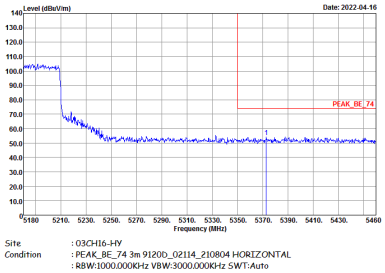
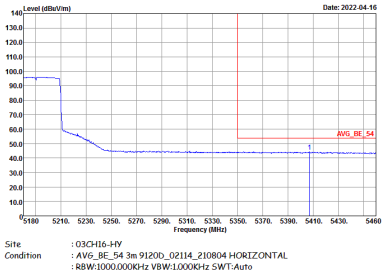
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

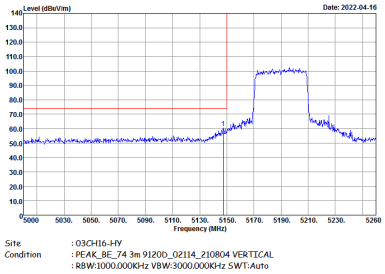
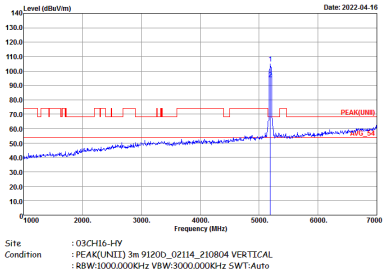
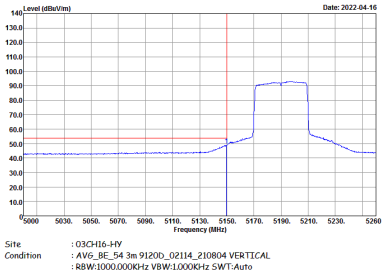
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

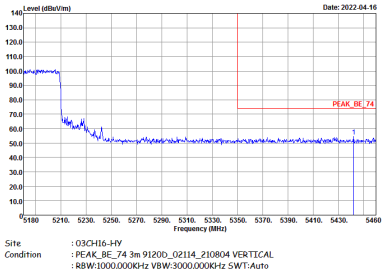
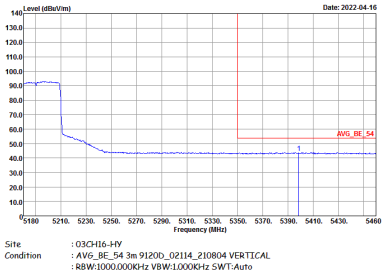
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

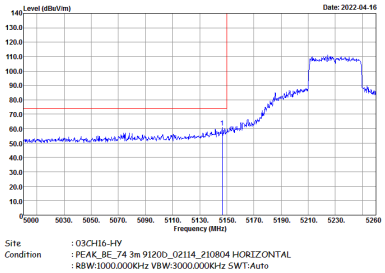
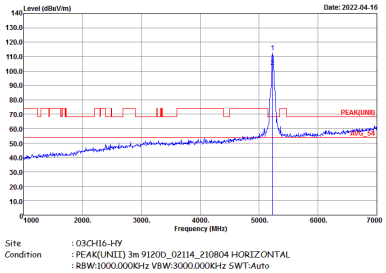
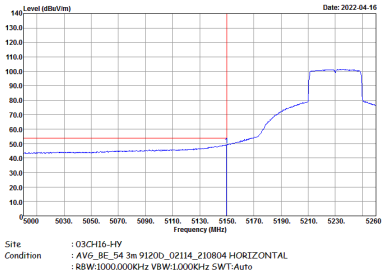
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

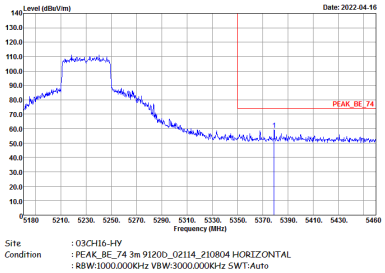
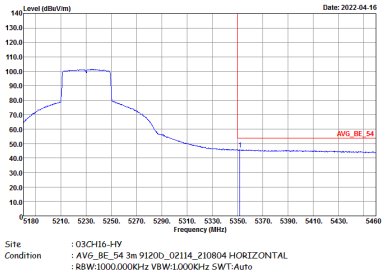
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

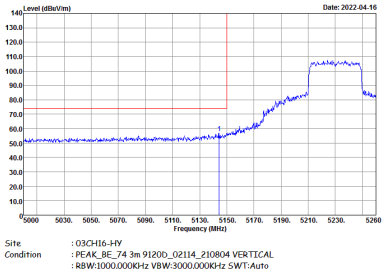
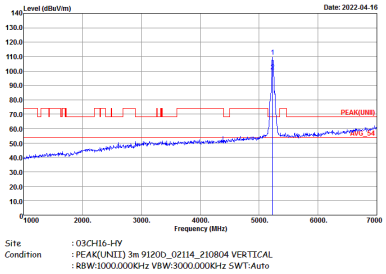
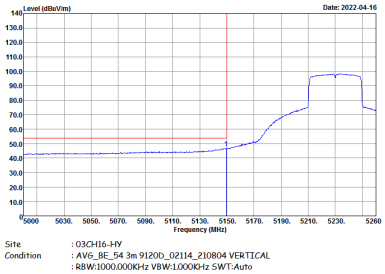
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

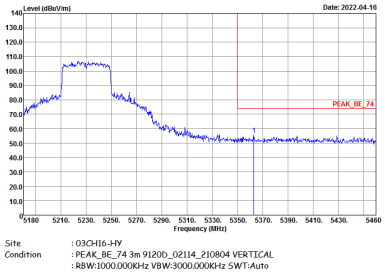
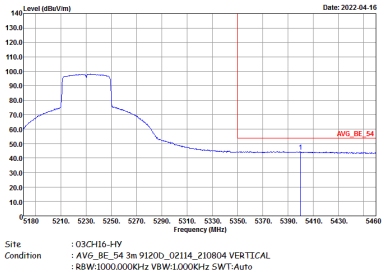
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

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

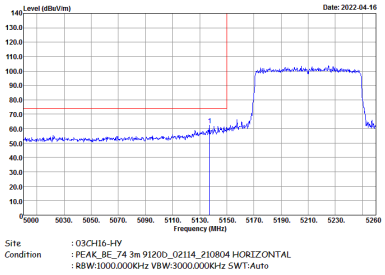
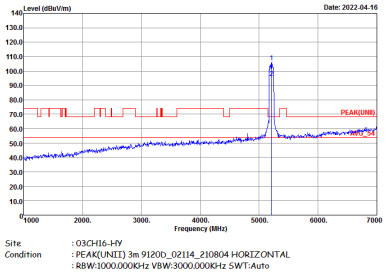
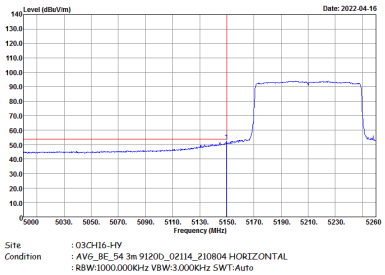
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

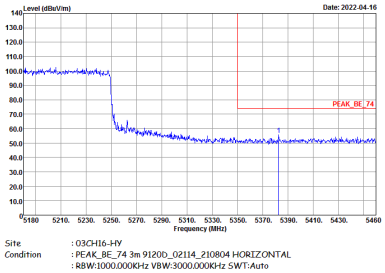
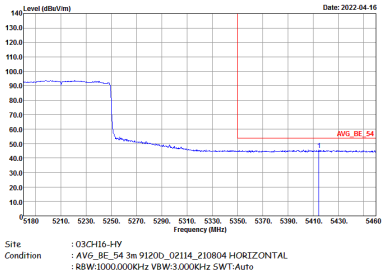
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

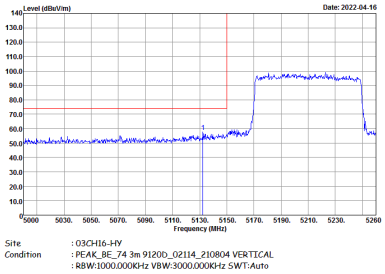
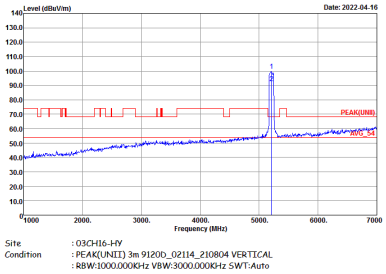
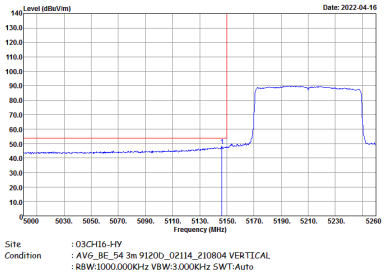
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

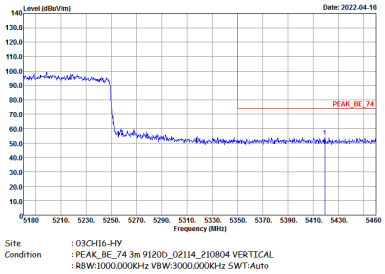
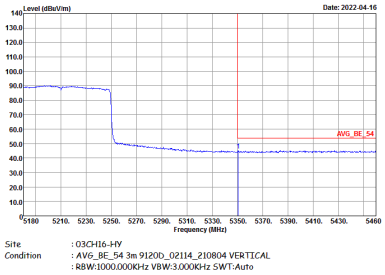
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

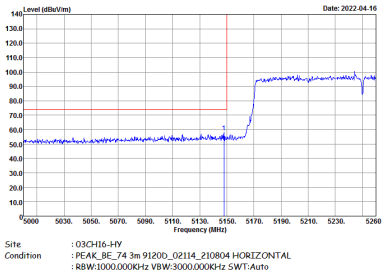
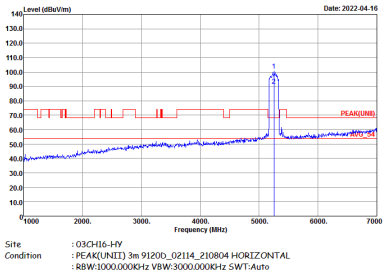
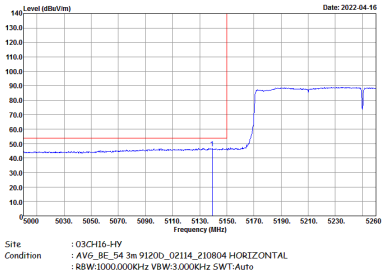
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

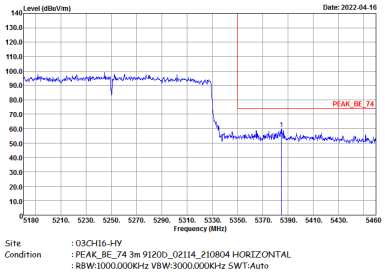
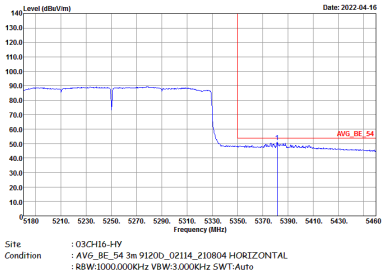
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

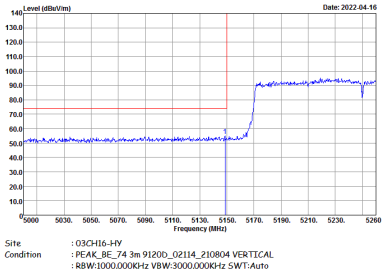
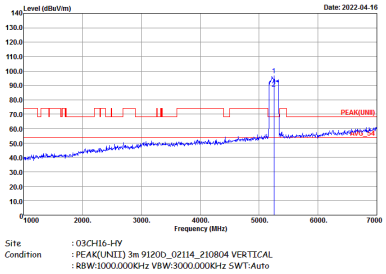
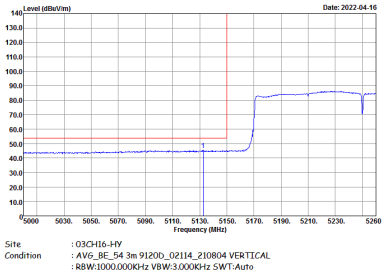
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

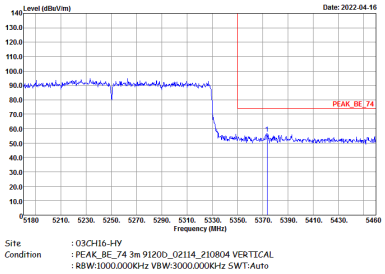
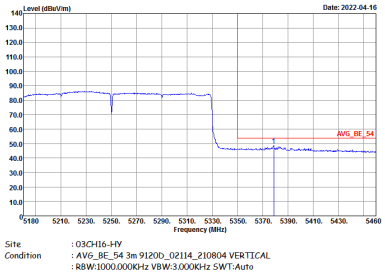
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

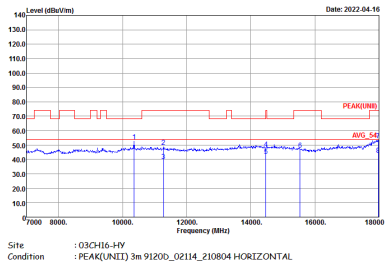
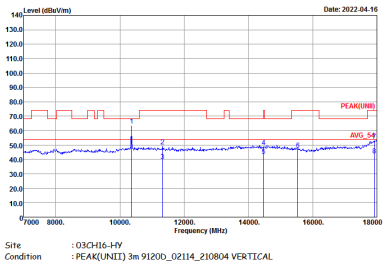
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

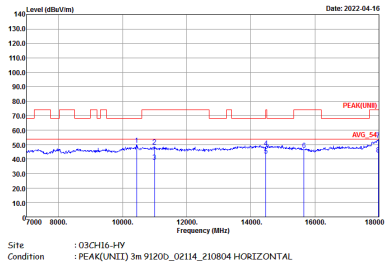
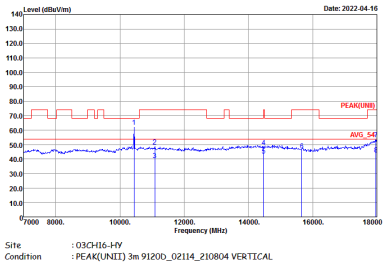
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

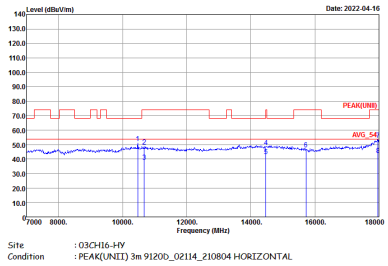
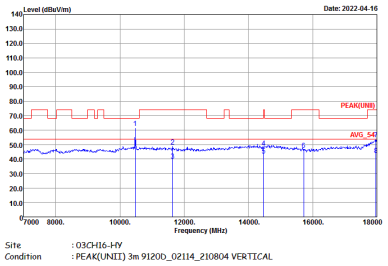
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

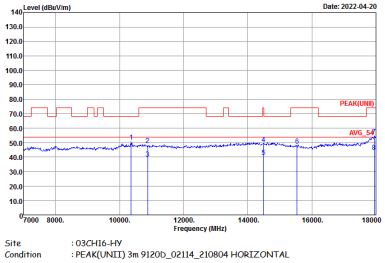
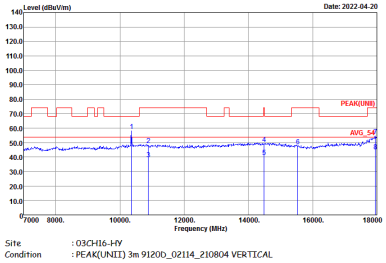
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.		

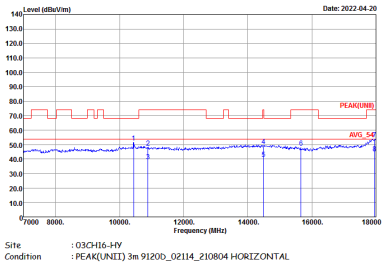
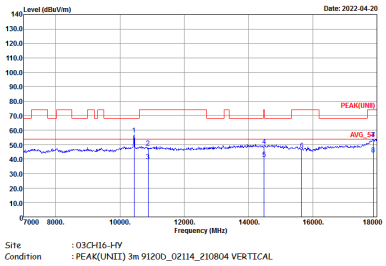
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.		

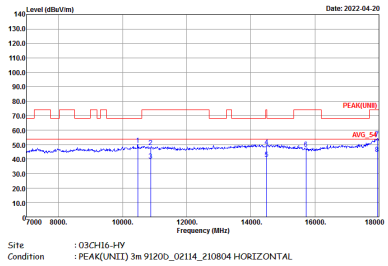
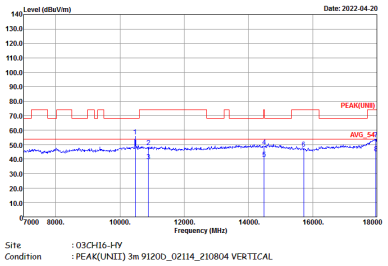
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

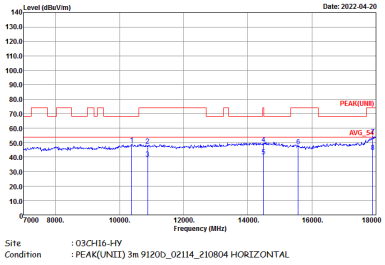
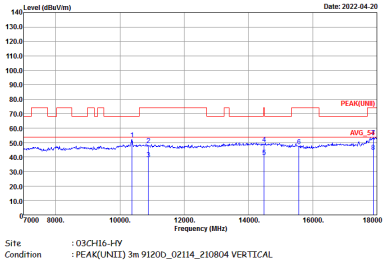
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.		

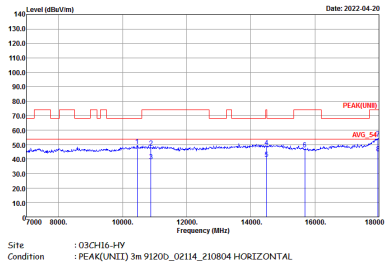
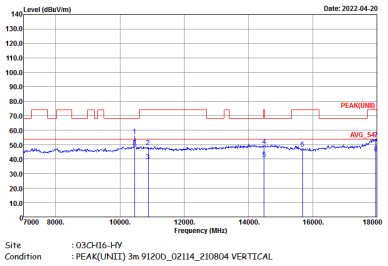
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.		

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

Band 1 5150~5250MHz

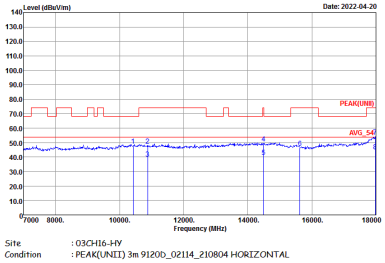
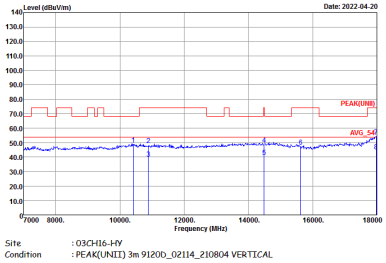
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

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.		

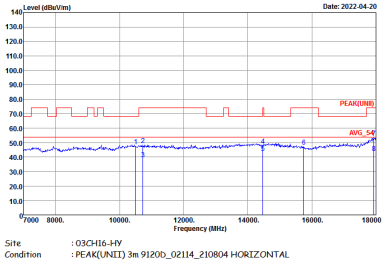
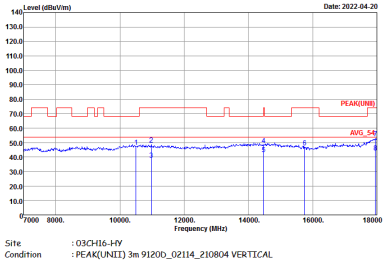
Band 1 5150~5250MHz

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.		

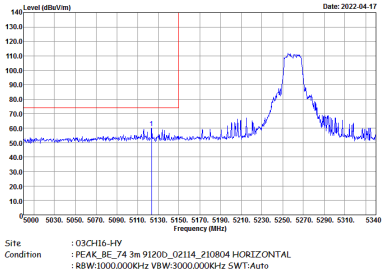
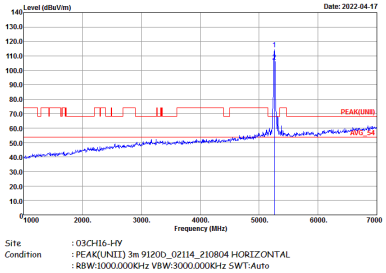
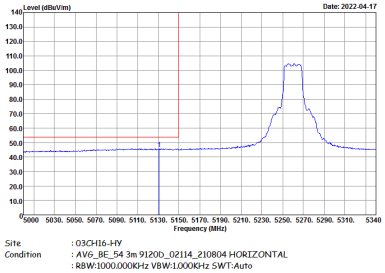
Band 1 5150~5250MHz

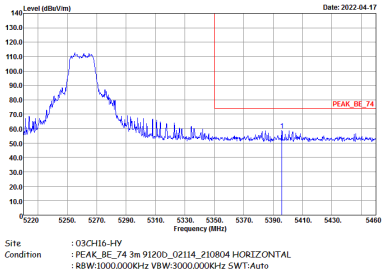
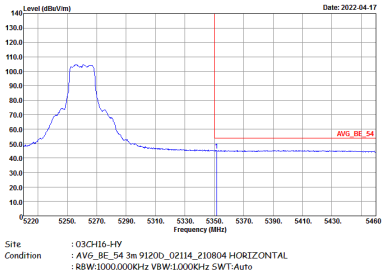
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

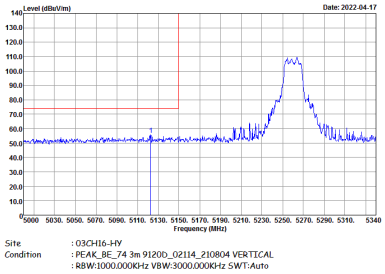
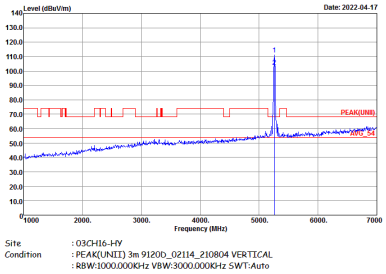
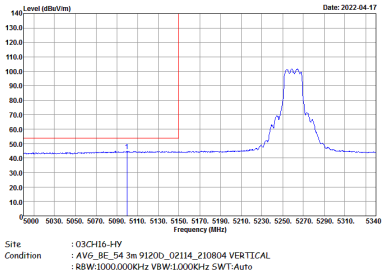
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz	
4+3	Horizontal	Vertical
Peak Avg.		

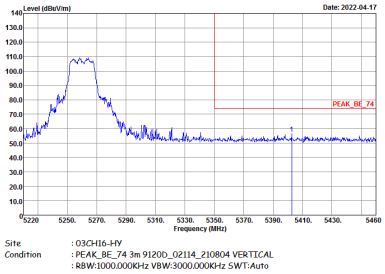
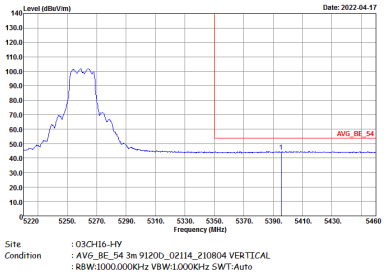
Band 2 - 5250~5350MHz

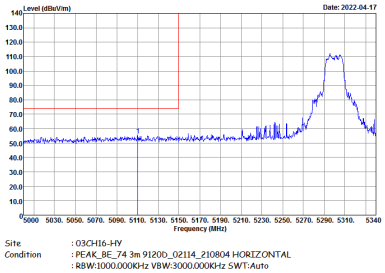
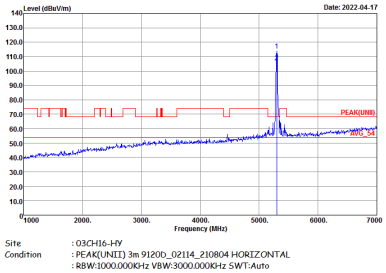
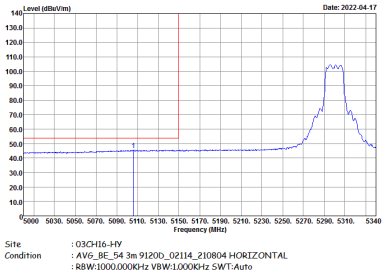
WIFI 802.11a (Band Edge @ 3m)

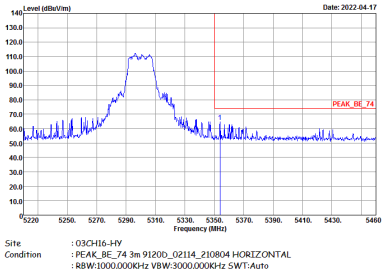
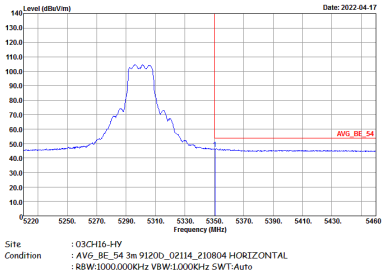
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

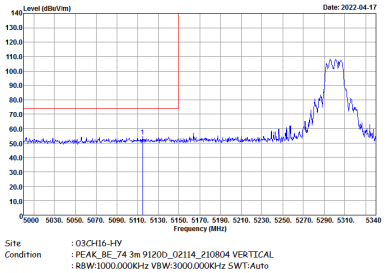
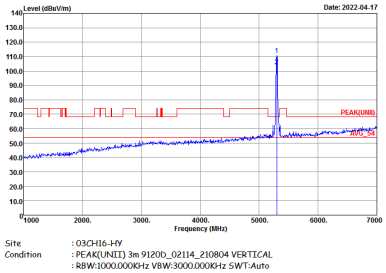
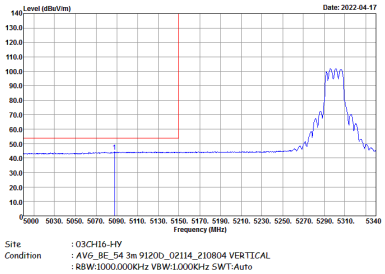
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

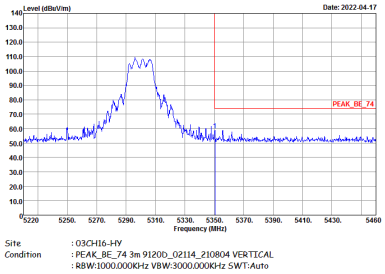
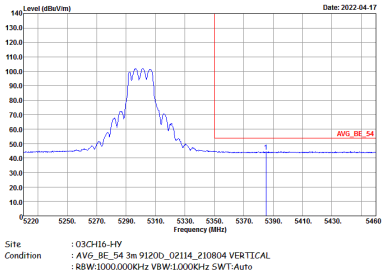
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

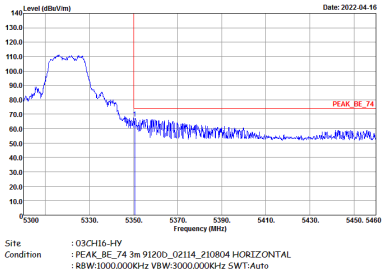
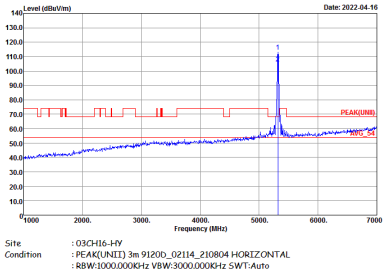
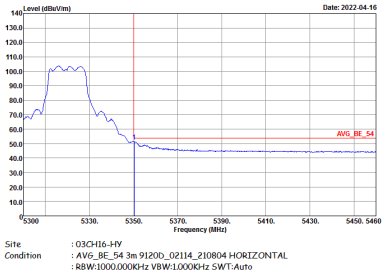
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

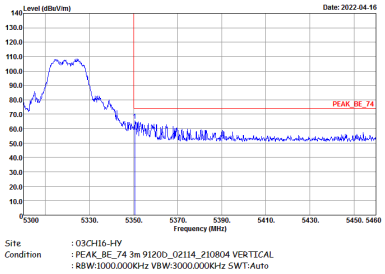
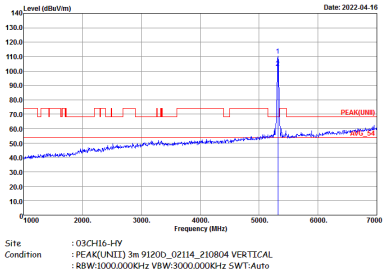
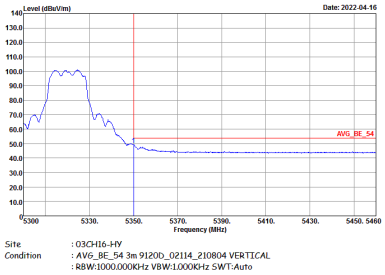
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

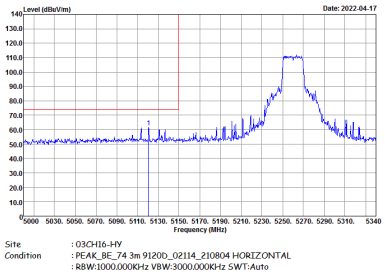
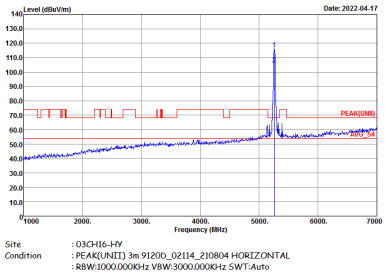
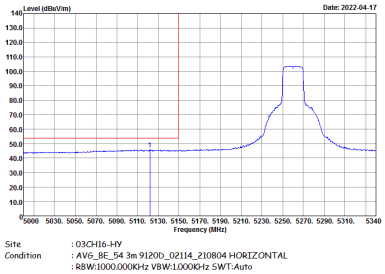
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

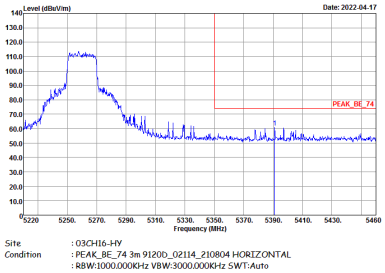
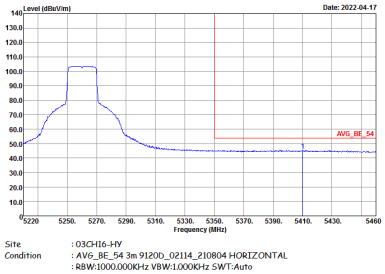
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

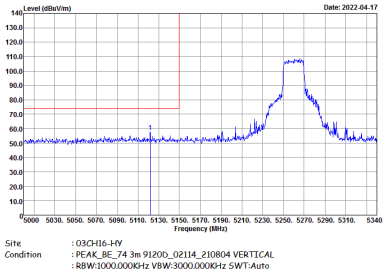
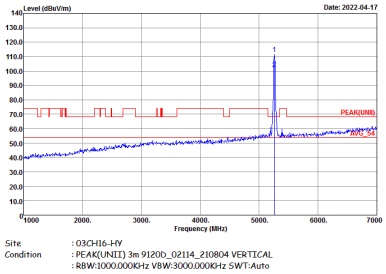
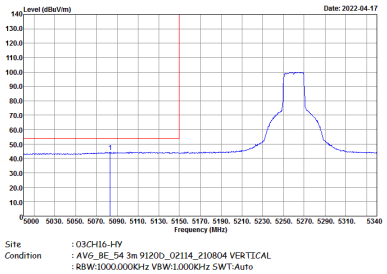
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

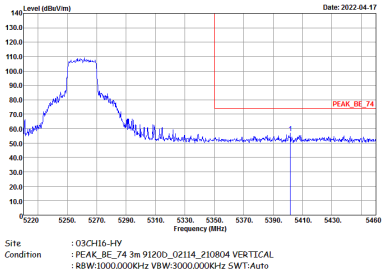
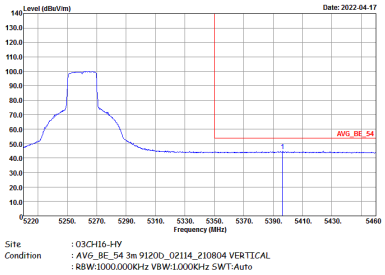
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

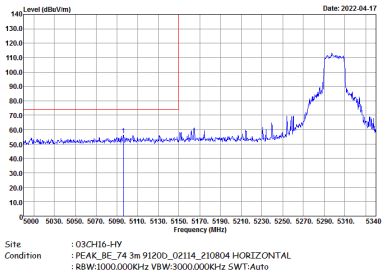
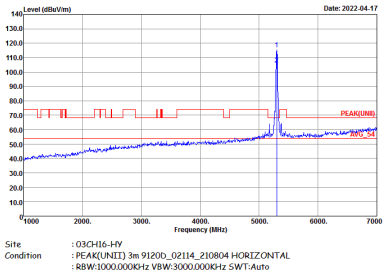
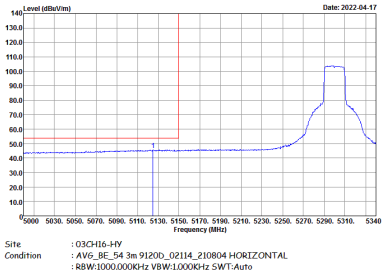
Band 2 5250~5350MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

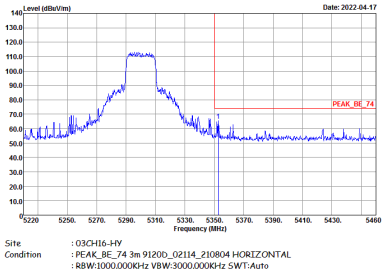
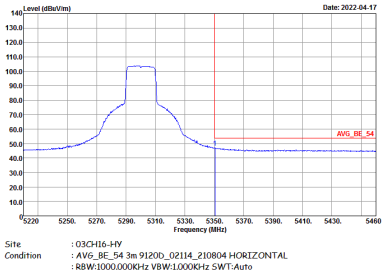
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

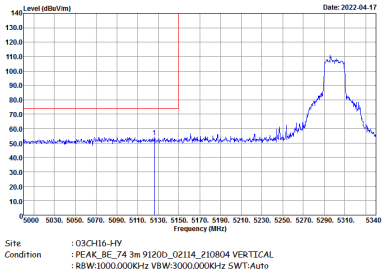
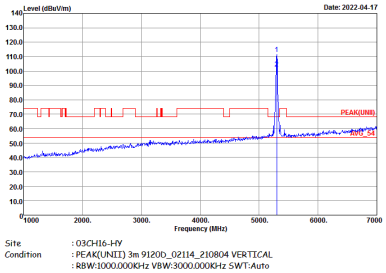
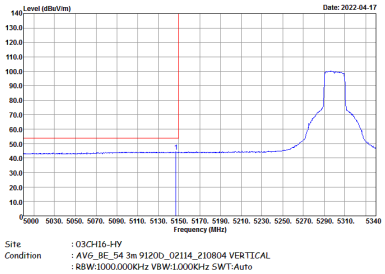
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

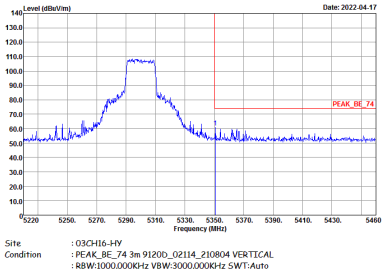
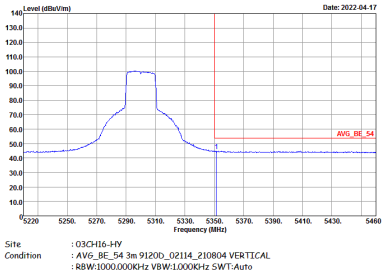
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

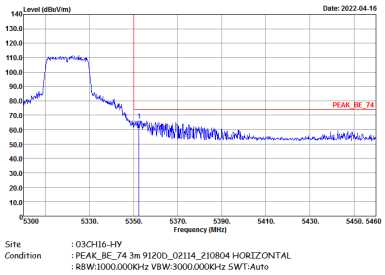
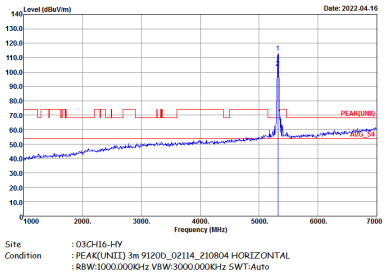
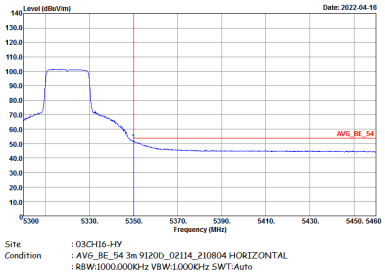
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

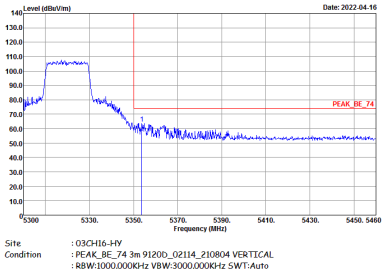
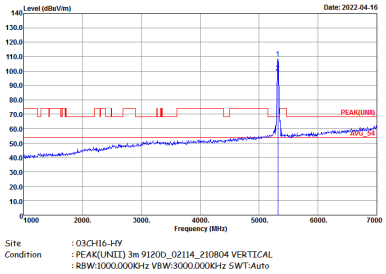
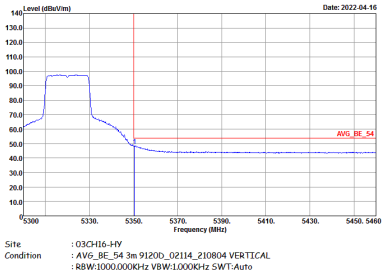
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

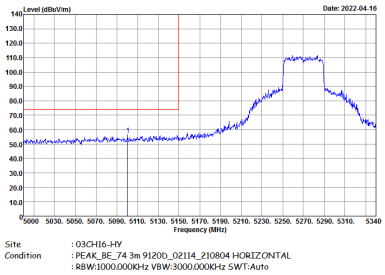
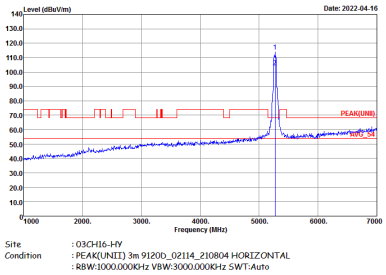
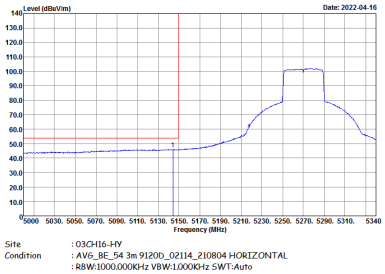
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

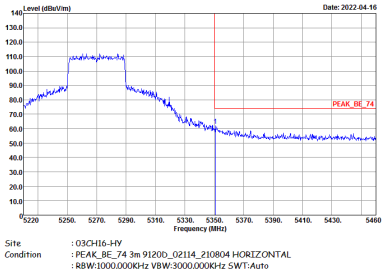
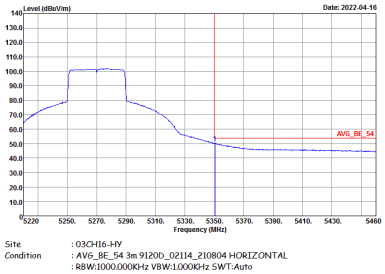
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

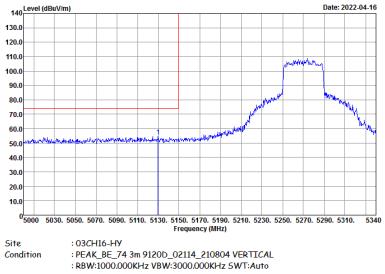
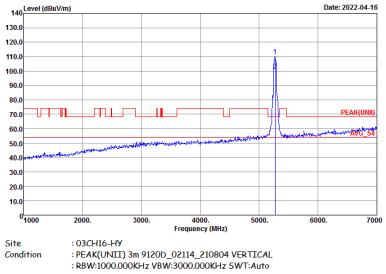
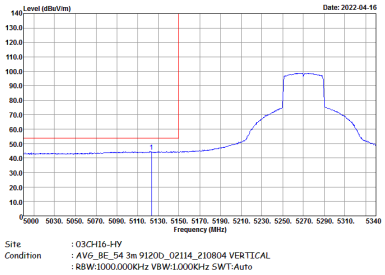
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

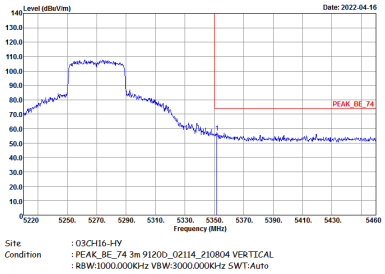
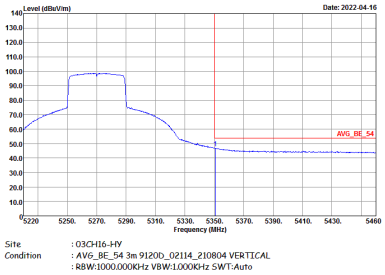
Band 2 - 5250~5350MHz

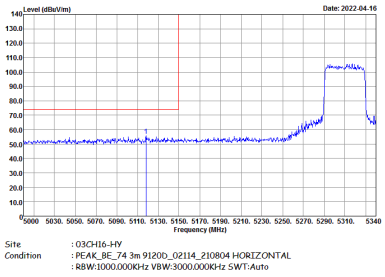
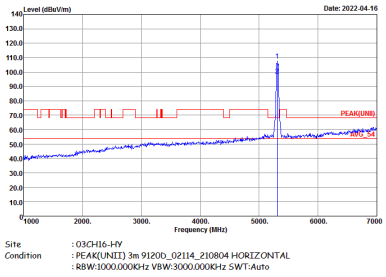
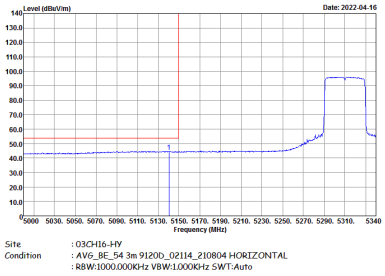
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

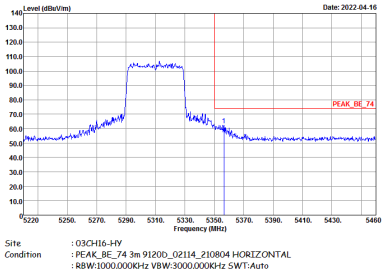
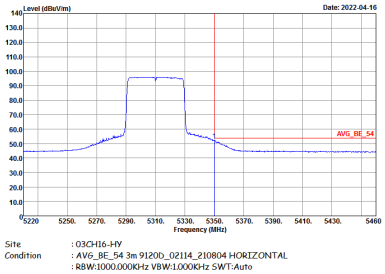
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

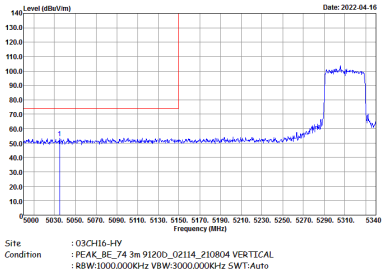
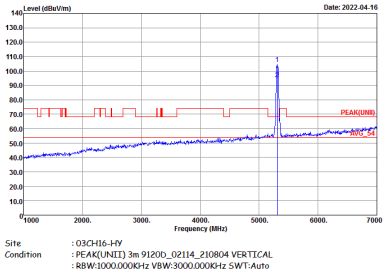
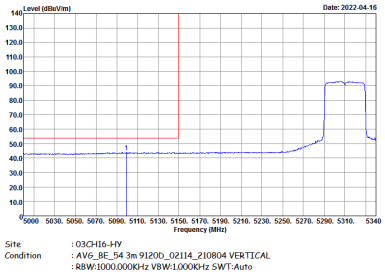
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

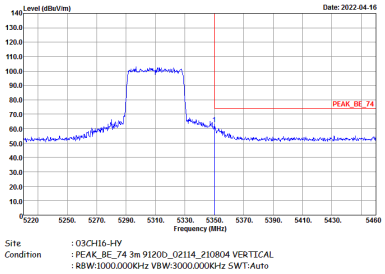
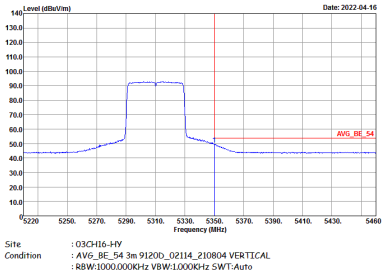
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

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

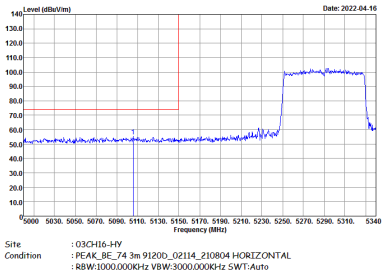
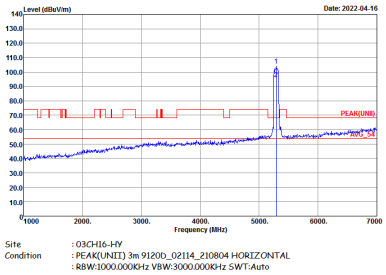
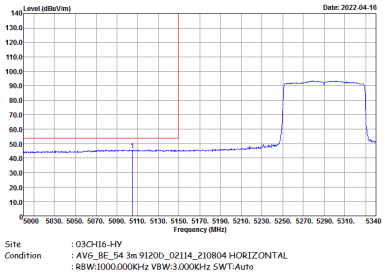
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

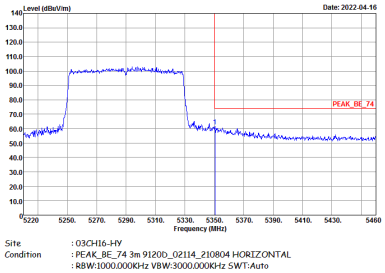
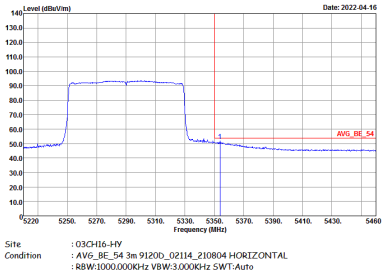
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

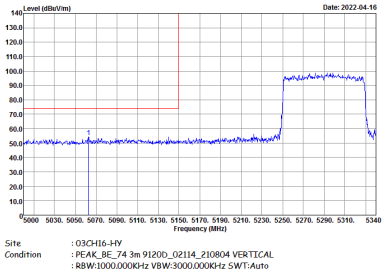
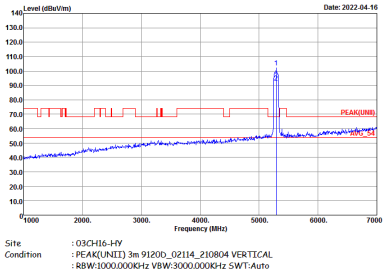
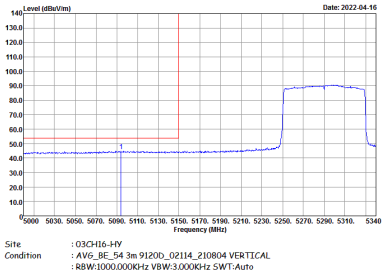
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

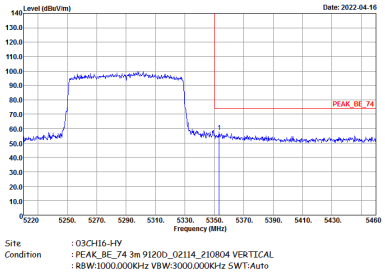
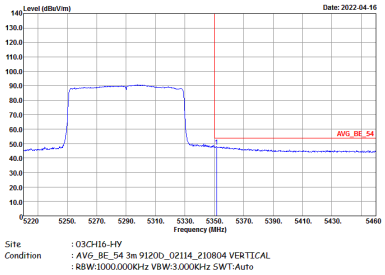
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

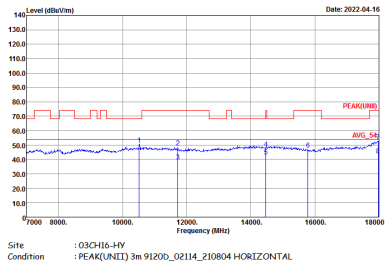
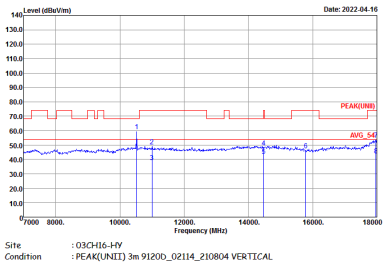
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

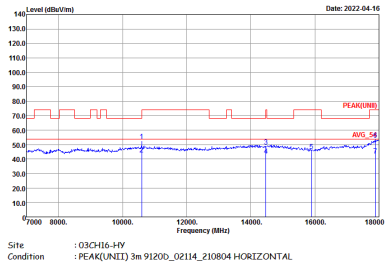
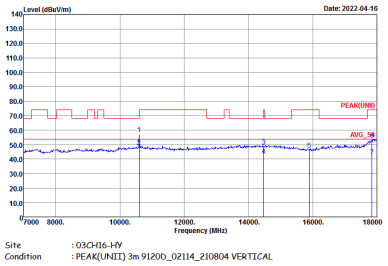
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

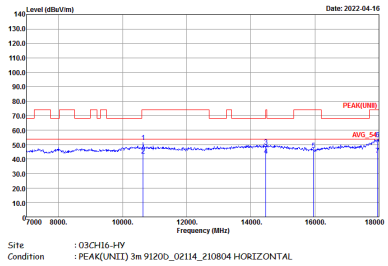
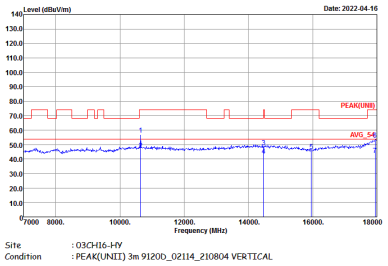
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

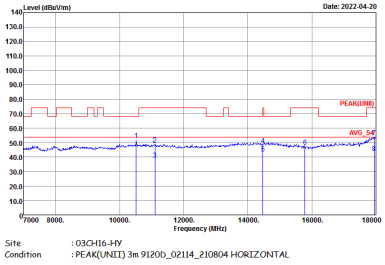
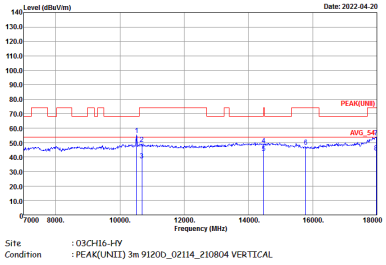
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
4+3	Horizontal	Vertical
Peak Avg.		

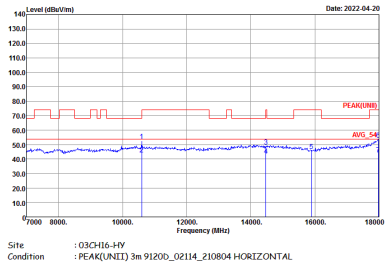
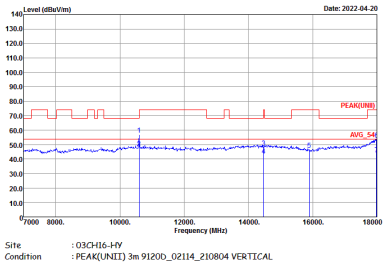
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
4+3	Horizontal	Vertical
Peak Avg.		

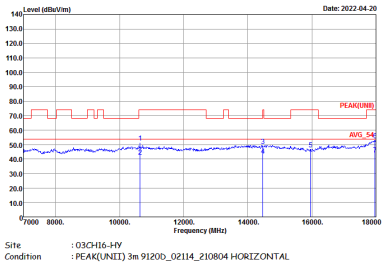
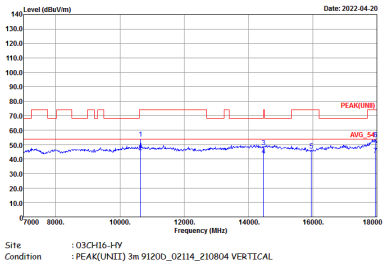
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

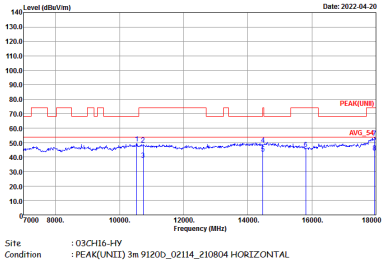
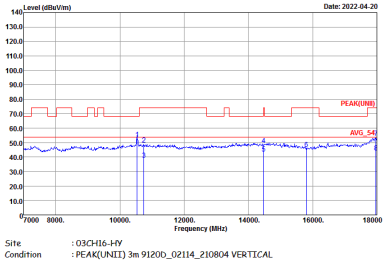
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz	
4+3	Horizontal	Vertical
Peak Avg.		

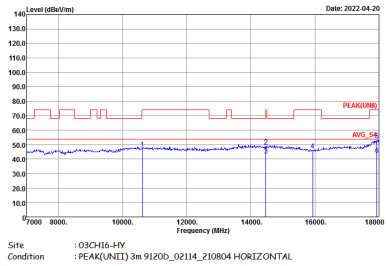
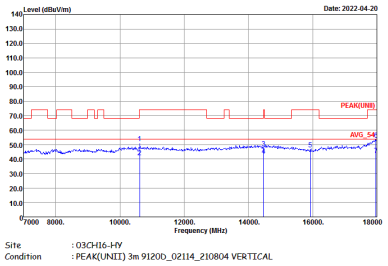
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz	
4+3	Horizontal	Vertical
Peak Avg.		

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

Band 2 - 5250~5350MHz

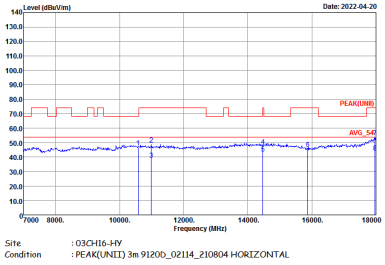
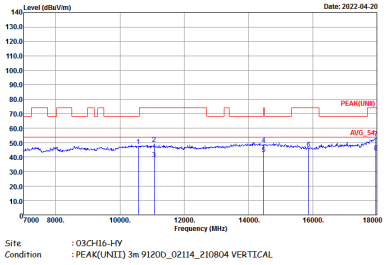
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

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.		

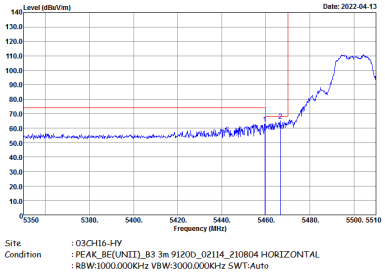
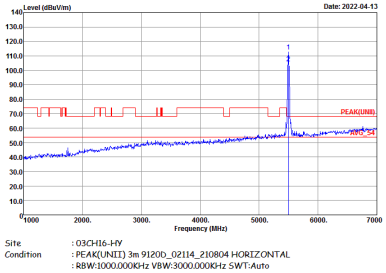
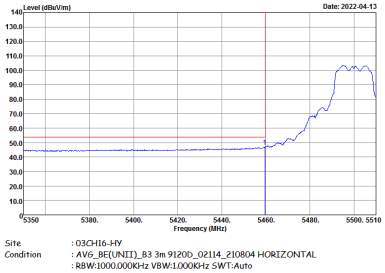
Band 2 5250~5350MHz

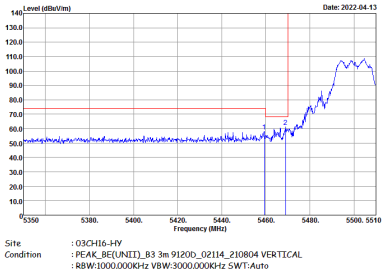
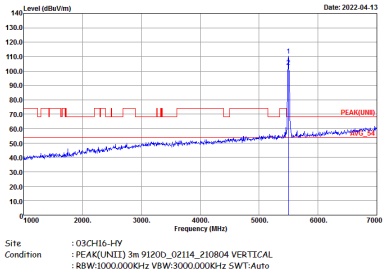
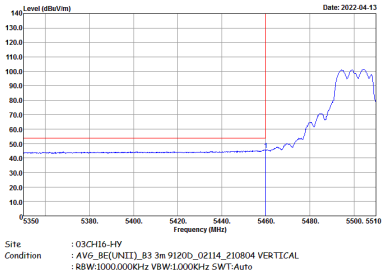
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

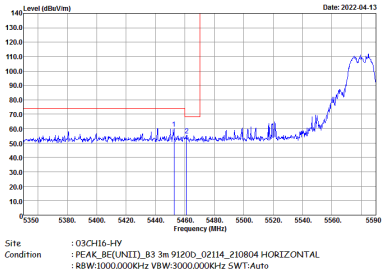
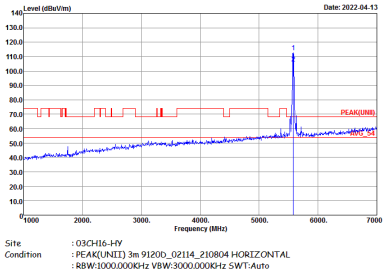
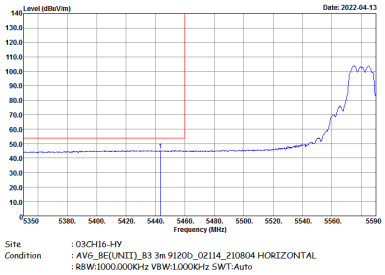
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz	
4+3	Horizontal	Vertical
Peak Avg.		

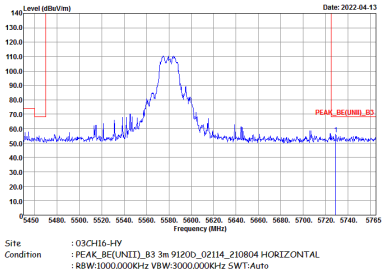
Band 3 - 5470~5725MHz

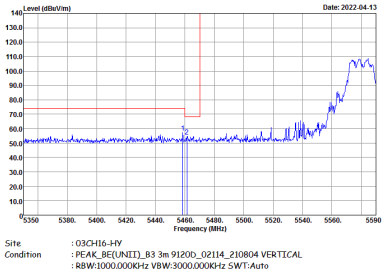
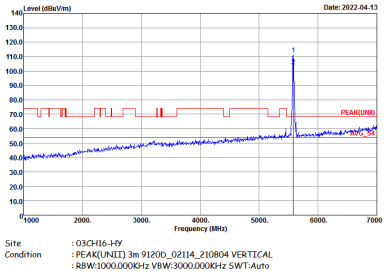
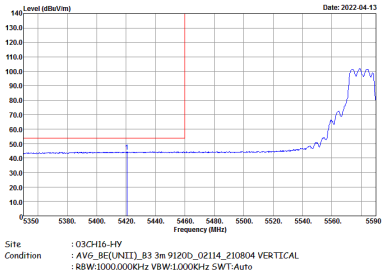
WIFI 802.11a (Band Edge @ 3m)

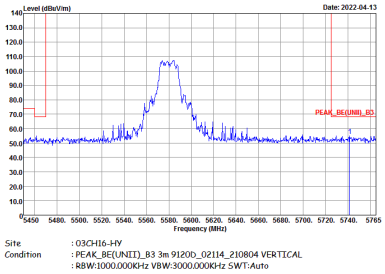
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII)_B3 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII)_B3 3m 9120D_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank