FCC RADIO TEST REPORT

FCC ID	:	**PU5-TP00139AS**
Equipment	:	**Notebook Computer**
Brand Name	:	**Lenovo**
Model Name	:	**TP00139A**
Applicant	:	**Wistron Corporation** **21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist, New Taipei City 221,Taiwan**
Manufacturer	:	**Lenovo PC HK Limited.** **23/F, Lincoln House, Taikoo Place, 979 King's Road, Quarry Bay, Hong Kong, China**
Standard	:	**FCC Part 15 Subpart E §15.407**

Equipment: Murata LBEE5QG2CX tested inside of Lenovo Notebook Computer.

The product was received on Dec. 21, 2021 and testing was performed from Jan. 08, 2022 to Feb. 18, 2022 . We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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History of this test report

Report No.	Version	Description	Issue Date
FR1D1645-01D	01	Initial issue of report	Feb. 24, 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	7.61 dB under the limit at 5355.020 MHz
3.5	15.207	AC Conducted Emission	Pass	12.25 dB under the limit at 11.842 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: Sheng Kuo

Report Producer: Clio Lo

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Notebook Computer
Brand Name	Lenovo
Model Name	TP00139A
FCC ID	PU5-TP00139AS
Sample 1	EUT with INPAQ Antenna
Sample 2	EUT with WNC Antenna
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Murata LBEE5QG2CX tested inside of Lenovo Notebook Computer.

Antenna Information			
Antenna 1	**Manufacturer**	INPAQ	
	Antenna Type	PIFA Antenna	PIFA Antenna
	Part number	025.901YK.0011	025.901YL.0011
	Peak gain (dbi)	Main Antenna :	Aux Antenna :
		WLAN(5G B1):2.64 WLAN(5G B2):2.75 WLAN(5G B3):2.84	WLAN(5G B1):2.64 WLAN(5G B2):2.69 WLAN(5G B3):2.88
Antenna 2	**Manufacturer**	WNC	
	Antenna Type	PIFA Antenna	PIFA Antenna
	Part number	025.901YK.0001	025.901YL.0001
	Peak gain (dbi)	Main Antenna :	Aux Antenna :
		WLAN(5G B1):1.94 WLAN(5G B2):1.70 WLAN(5G B3):2.47	WLAN(5G B1):2.49 WLAN(5G B2):2.17 WLAN(5G B3):2.72

Remark: The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.

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 to Antenna	**MIMO<Chain 1+2>** **<5180 MHz ~ 5240 MHz>** 802.11a: 14.94 dBm / 0.0312 W 802.11n HT20: 15.40 dBm / 0.0347 W 802.11n HT40: 15.61 dBm / 0.0364 W 802.11ac VHT20: 15.40 dBm / 0.0347 W 802.11ac VHT40: 15.61 dBm / 0.0364 W 802.11ac VHT80: 14.36 dBm / 0.0273 W 802.11ac VHT160: 13.88 dBm / 0.0244 W 802.11ax HE20: 15.50 dBm / 0.0355 W 802.11ax HE40: 15.71 dBm / 0.0372 W 802.11ax HE80: 14.46 dBm / 0.0279 W 802.11ax HE160: 13.98 dBm / 0.0250 W
	<5260 MHz ~ 5320 MHz> 802.11a: 15.96 dBm / 0.0394 W 802.11n HT20: 15.81 dBm / 0.0381 W 802.11n HT40: 15.76 dBm / 0.0377 W 802.11ac VHT20: 15.81 dBm / 0.0381 W 802.11ac VHT40: 15.76 dBm / 0.0377 W 802.11ac VHT80: 15.07 dBm / 0.0321 W 802.11ax HE20: 15.91 dBm / 0.0390 W 802.11ax HE40: 15.86 dBm / 0.0385 W 802.11ax HE80: 15.17 dBm / 0.0329 W
	<5500 MHz ~ 5720 MHz> 802.11a: 15.87 dBm / 0.0386 W 802.11n HT20: 15.58 dBm / 0.0361 W 802.11n HT40: 15.73 dBm / 0.0374 W 802.11ac VHT20: 15.58 dBm / 0.0361 W 802.11ac VHT40: 15.73 dBm / 0.0374 W 802.11ac VHT80: 15.82 dBm / 0.0382 W 802.11ac VHT160: 15.07 dBm / 0.0321 W 802.11ax HE20: 15.68 dBm / 0.0370 W 802.11ax HE40: 15.83 dBm / 0.0383 W 802.11ax HE80: 15.92 dBm / 0.0391 W 802.11ax HE160: 15.17 dBm / 0.0329 W

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>99% Occupied Bandwidth</td><td>MIMO <Chain 1>
802.11a : 16.75 MHz
802.11ax HE20 : 19.00 MHz
802.11ax HE40 : 38.10 MHz
802.11ax HE80 : 77.28 MHz
802.11ax HE160 : 156.24 MHz
MIMO <Chain 2>
802.11a : 16.75 MHz
802.11ax HE20 : 19.00 MHz
802.11ax HE40 : 38.00 MHz
802.11ax HE80 : 77.16 MHz
802.11ax HE160 : 156.48 MHz</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><th></th><th>Chain 1</th><th>Chain 2</th></tr><tr><td>802.11a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr></table></td></tr>
</table>

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.
2. MIMO Chain 1+2 is a calculated result from sum of the power MIMO Chain 1 and MIMO Chain 2.

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH15-HY, CO07-HY

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

FCC designation No.: TW3786

1.5 Applicable Standards

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

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

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
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).

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

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 Antenna

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 : WLAN (5GHz) Link + Bluetooth Link + Earphone + Battery 1 + Adapter + USB Cable (Data Link with HD) for Sample 2

Remark:

1. For Radiated Test Cases, the tests were performed with Battery 1.
2. Data Link with USB HD means data application transferred mode between EUT and USB HD.

<Sample 1>

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

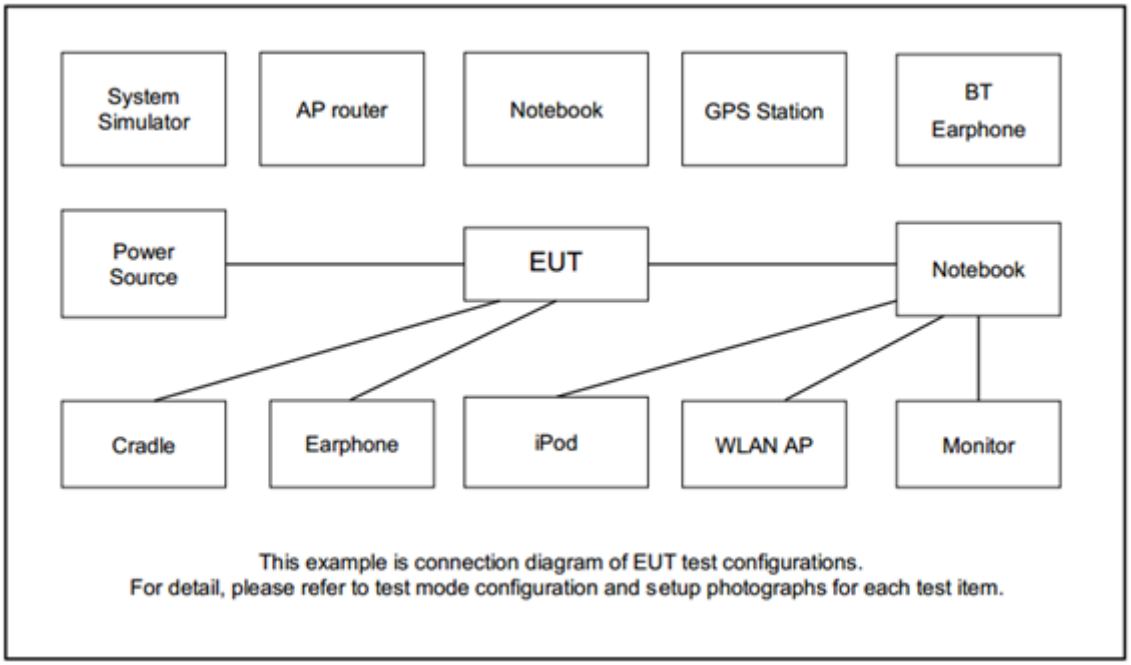
BW160	5150-5350 MHz	5470-5725MHz
	802.11ax HE160	802.11ax HE160
Ch. #	50	114

<Sample 2>

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

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



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY700A2029	N/A	N/A
2.	WLAN AP	ASUS	GT-AXE11000	MSQ-RTAXJF00	N/A	Unshielded,1.8m
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
4.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	USB HD	WD	WDBGPU0010BBL	FCC DoC	Shielded, 1.0m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT v4.0.00195.0” was installed in EUT 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.

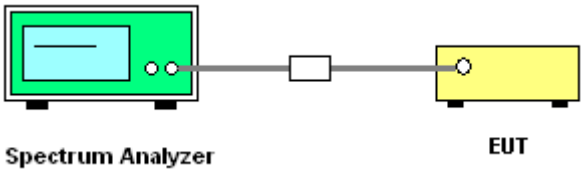
3.1.2 Measuring Instruments

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.

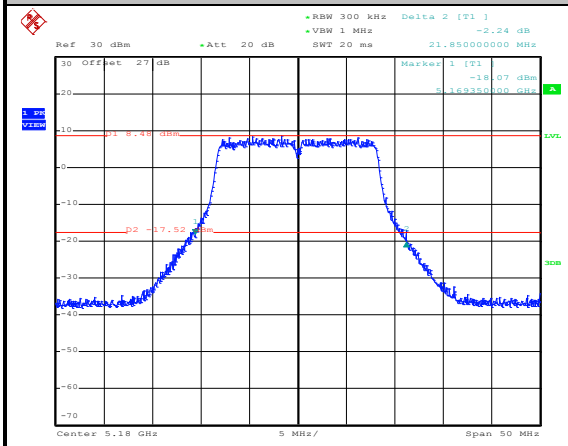
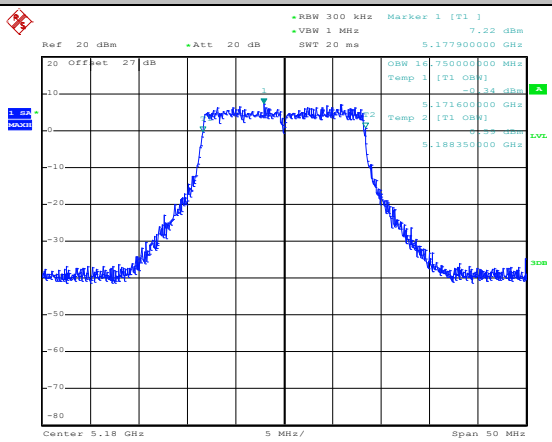
3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

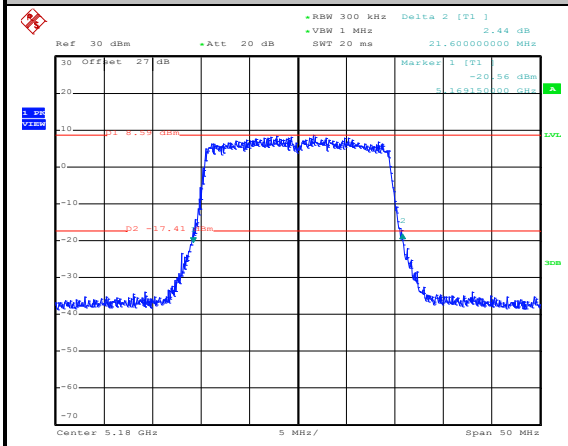
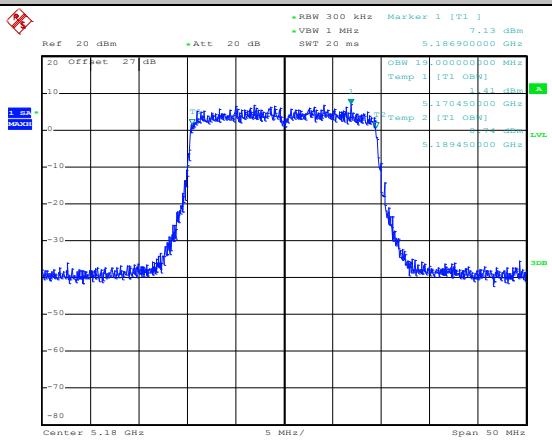
Please refer to Appendix A.

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	
Date: 23.JAN.2022 17:12:44	Date: 23.JAN.2022 17:14:23

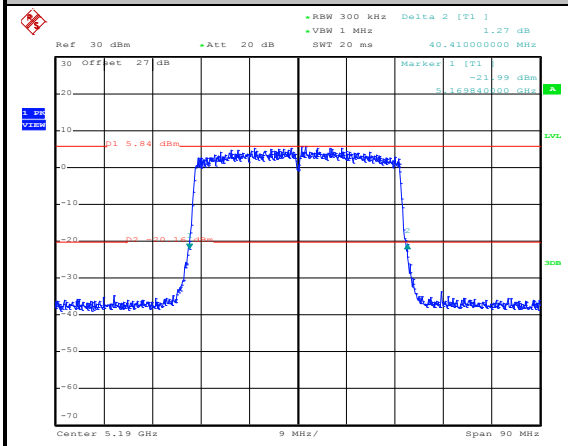
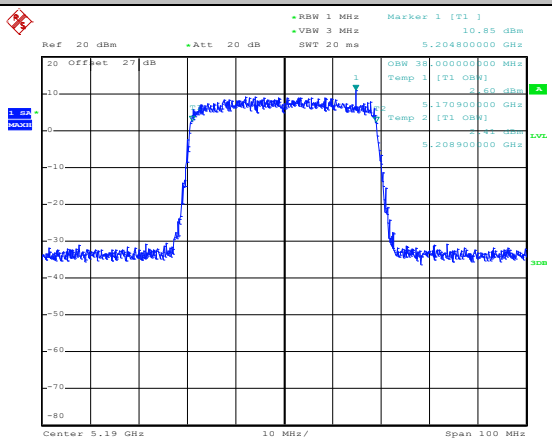
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	
Date: 24.JAN.2022 14:04:52	Date: 24.JAN.2022 14:06:16

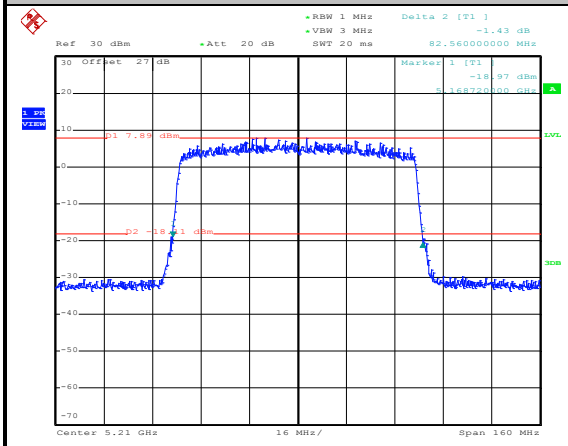
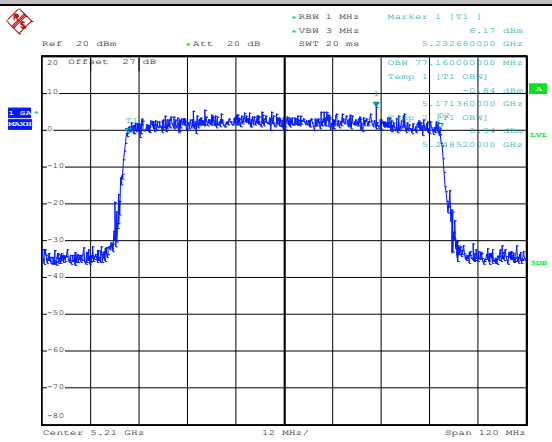
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	
Date: 24.JAN.2022 14:10:49	Date: 24.JAN.2022 14:13:24

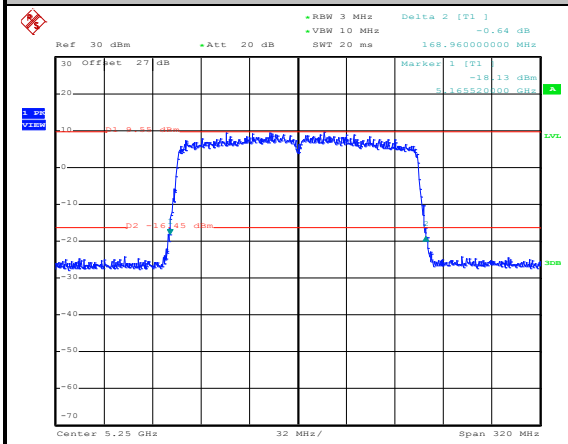
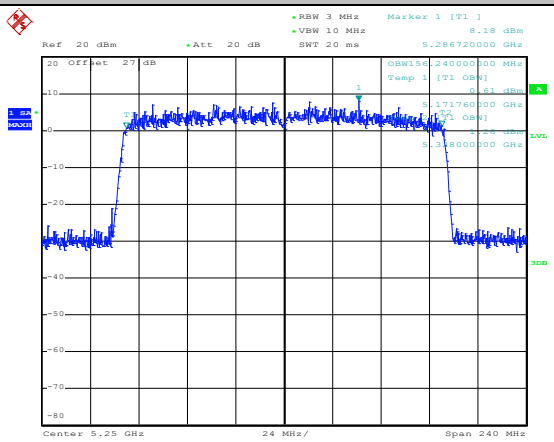
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	
Date: 24.JAN.2022 14:56:44	Date: 24.JAN.2022 14:58:19

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
	
Date: 25.JAN.2022 11:42:21	Date: 25.JAN.2022 11:43:54

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

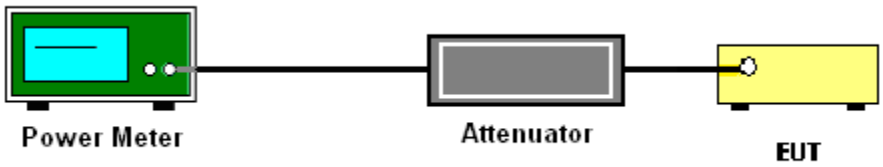
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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-3 #

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

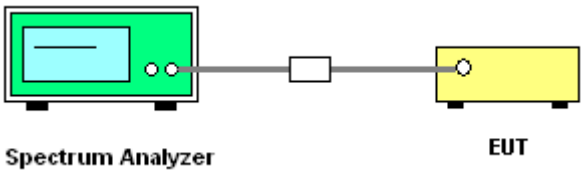
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
  Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

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

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

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

3.3.4 Test Setup

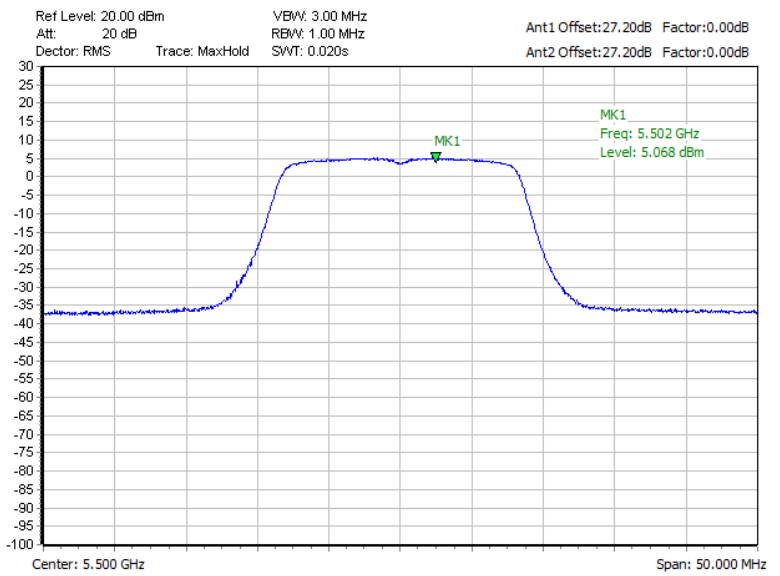


3.3.5 Test Result of Power Spectral Density

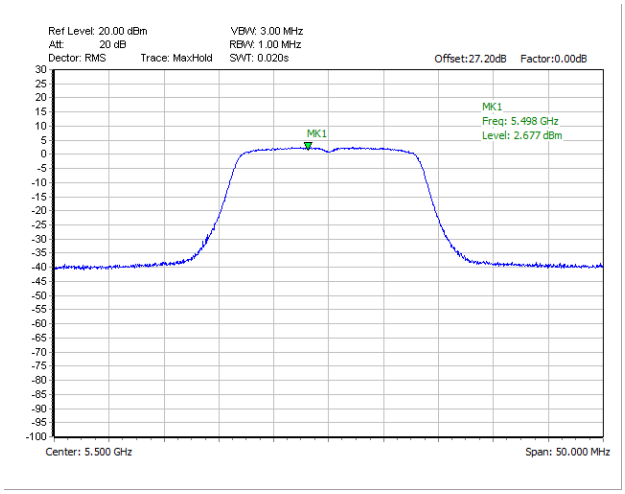
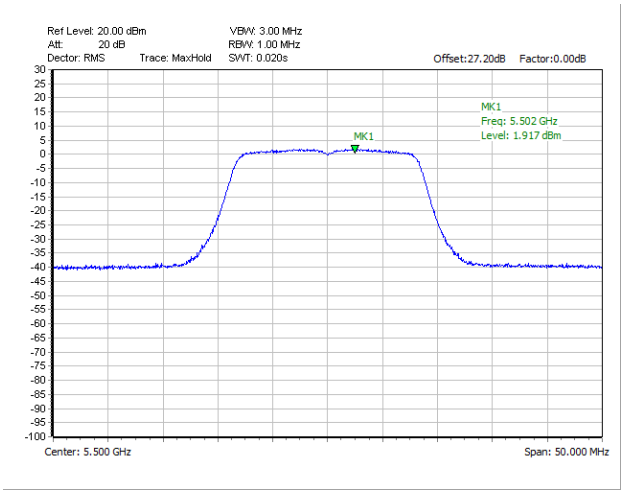
Please refer to Appendix A.

<802.11a>

Maximum Power Density Plot (dBm/MHz)

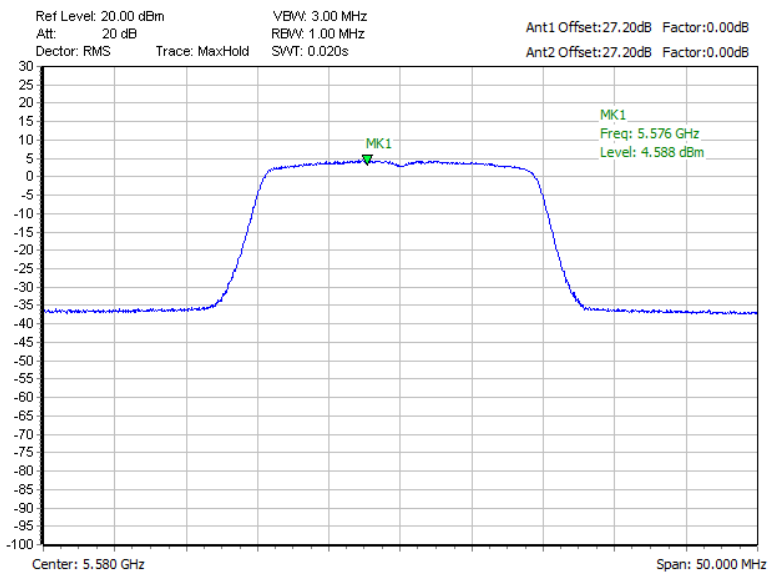


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

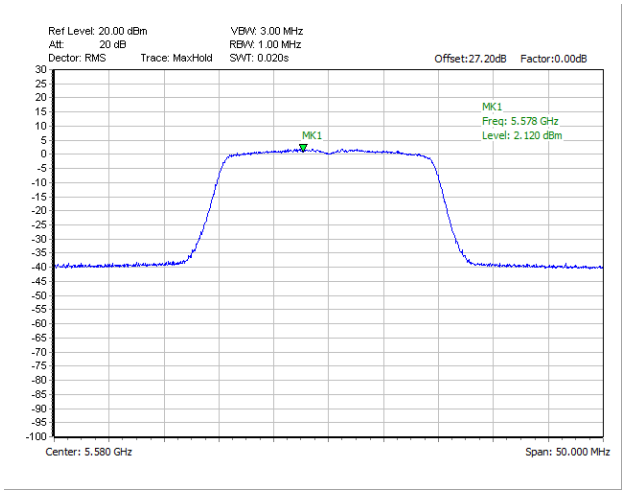
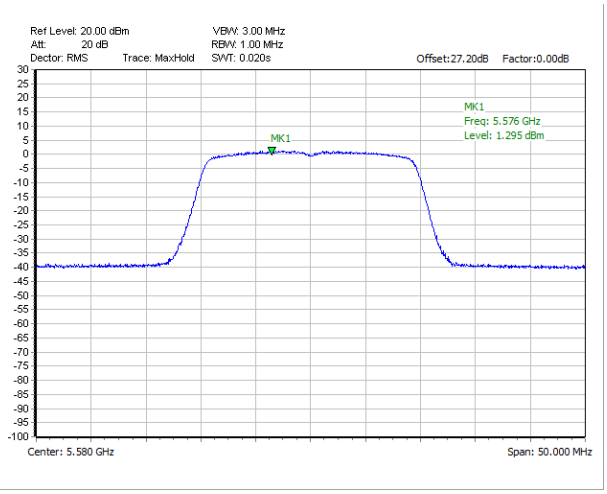
Maximum Power Density Plot Trace 1 (Chain 1)	Maximum Power Density Plot Trace 2 (Chain 2)
	

<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)

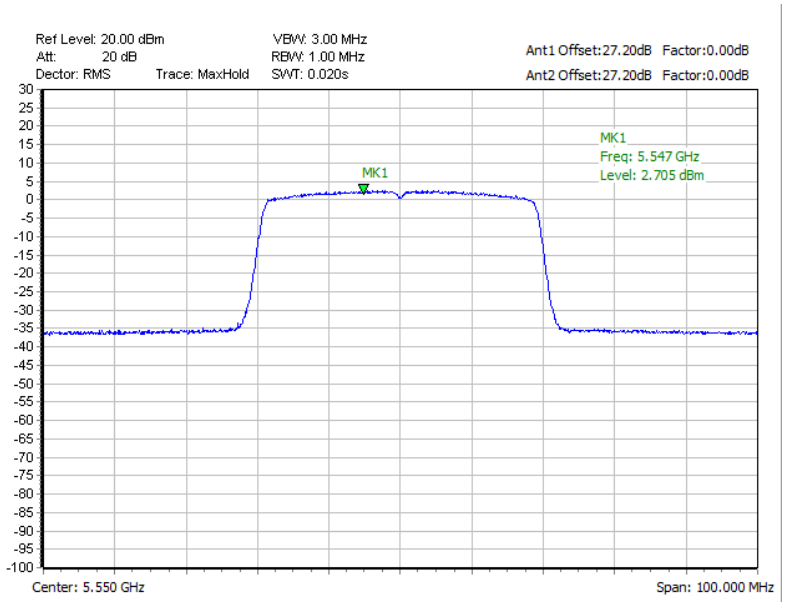


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

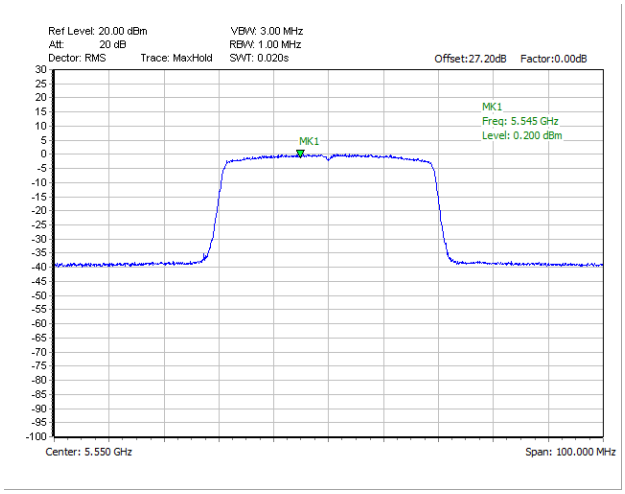
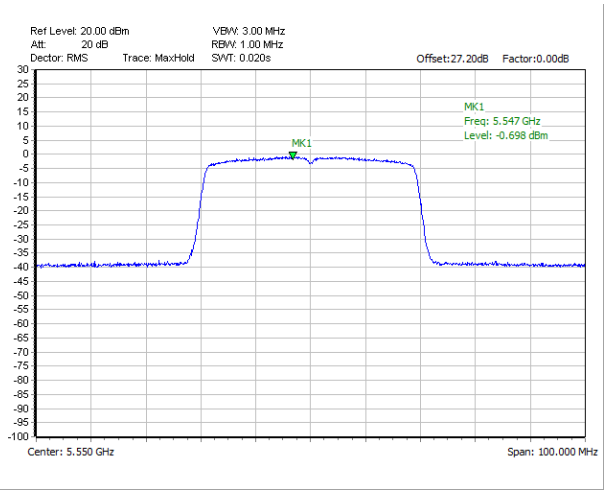
Maximum Power Density Plot Trace 1 (Chain 1)	Maximum Power Density Plot Trace 2 (Chain 2)
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)

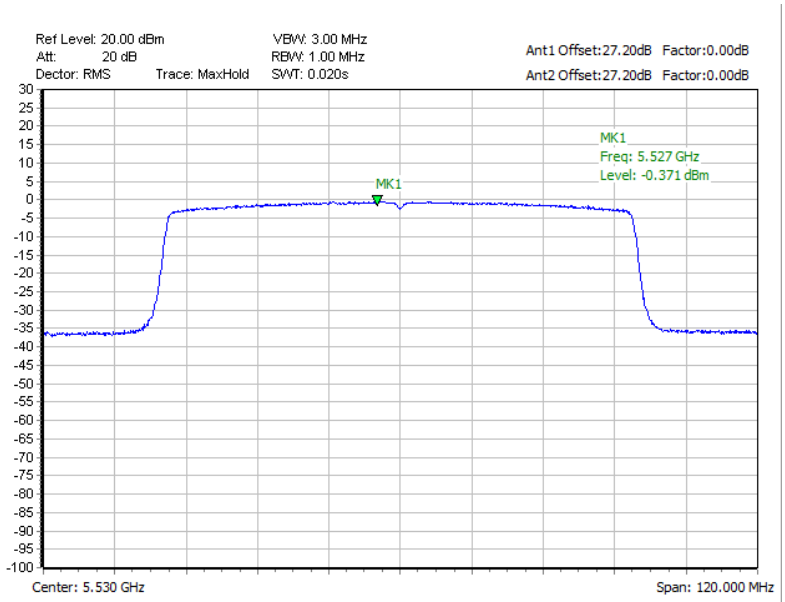


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

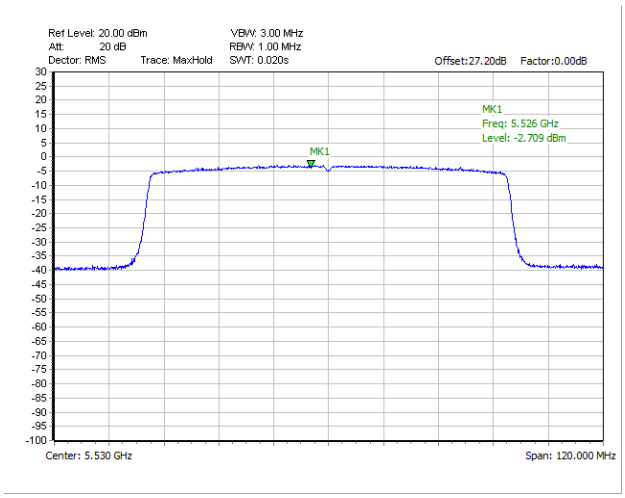
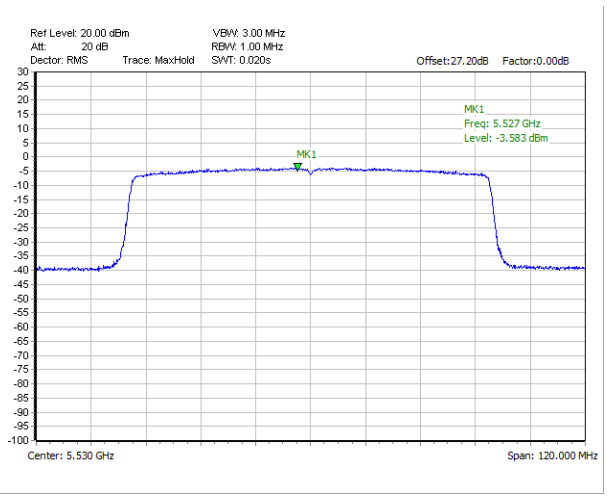
Maximum Power Density Plot Trace 1 (Chain 1)	Maximum Power Density Plot Trace 2 (Chain 2)
	

<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)

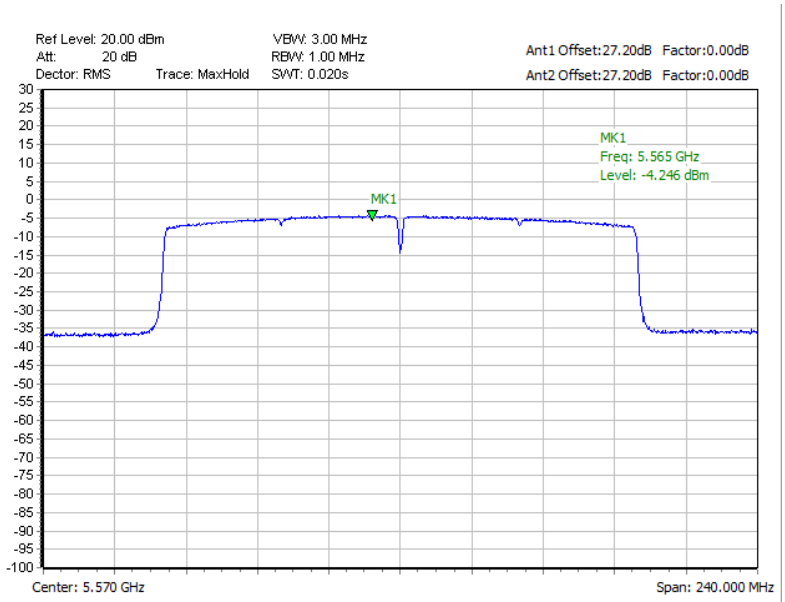


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

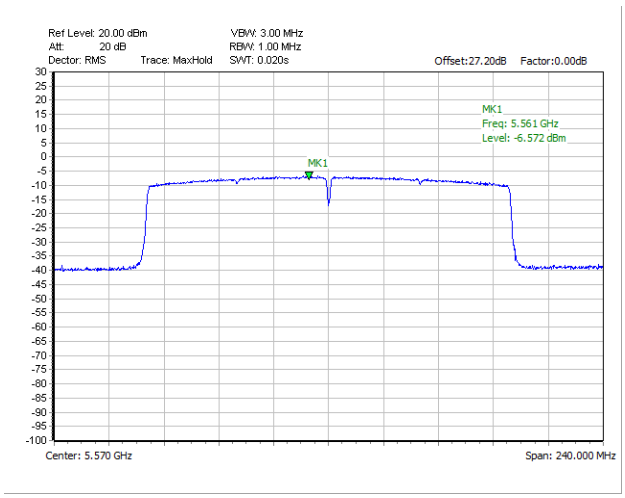
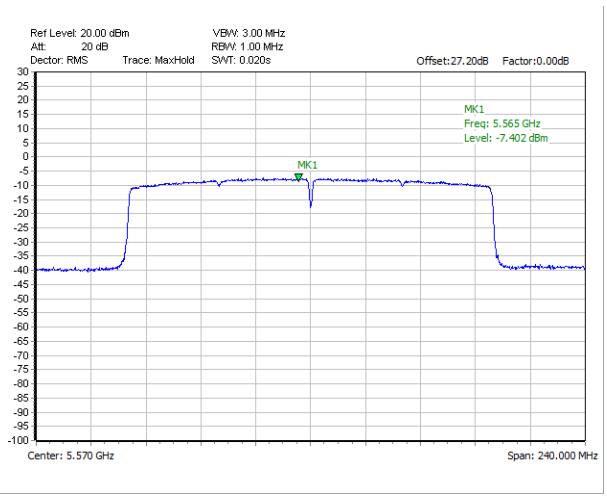
Maximum Power Density Plot Trace 1 (Chain 1)	Maximum Power Density Plot Trace 2 (Chain 2)
	

<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)



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

Maximum Power Density Plot Trace 1 (Chain 1)	Maximum Power Density Plot Trace 2 (Chain 2)
	

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

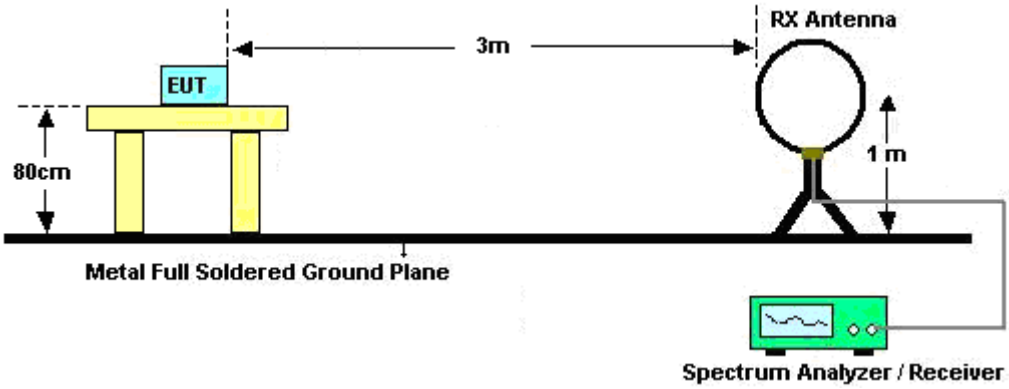
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (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

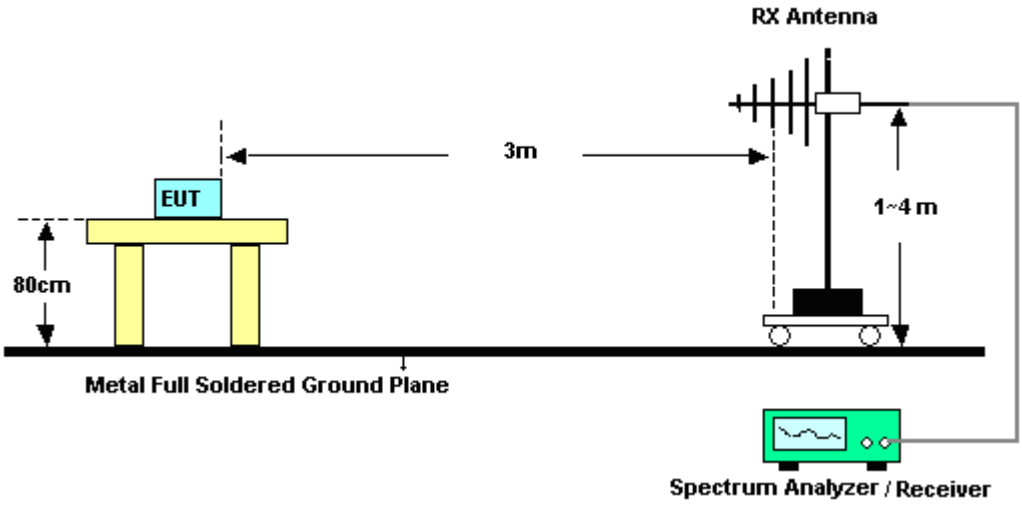
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting 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

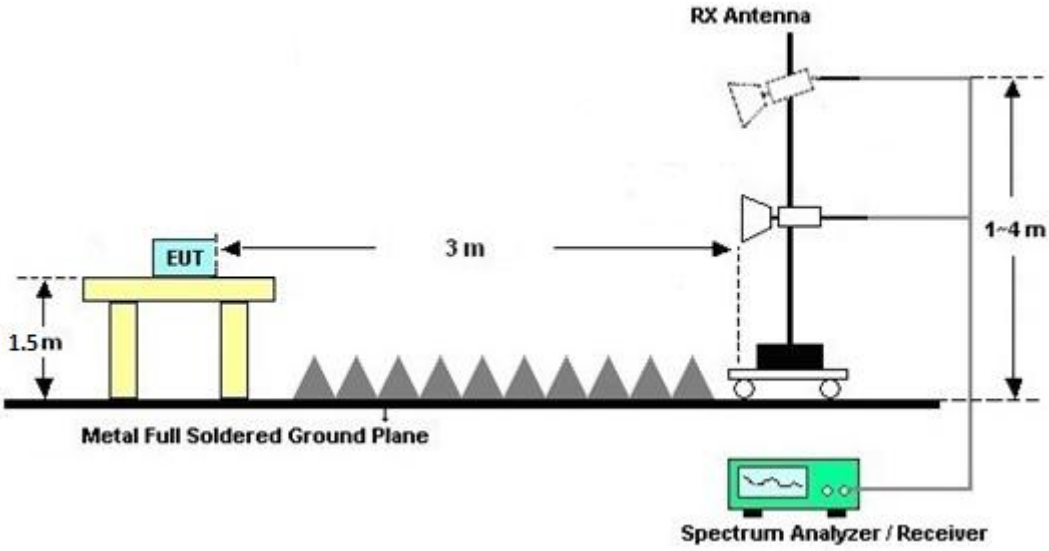
For radiated emissions below 30MHz



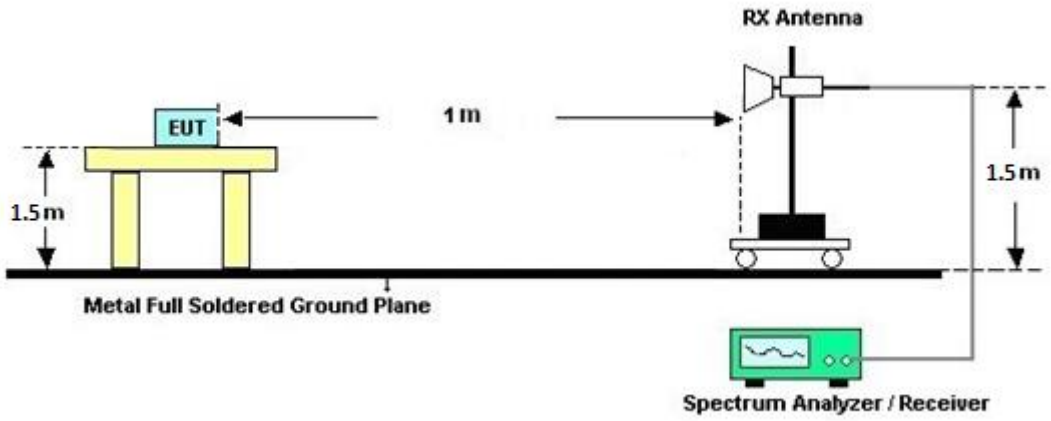
For radiated emissions from 30MHz to 1GHz



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.

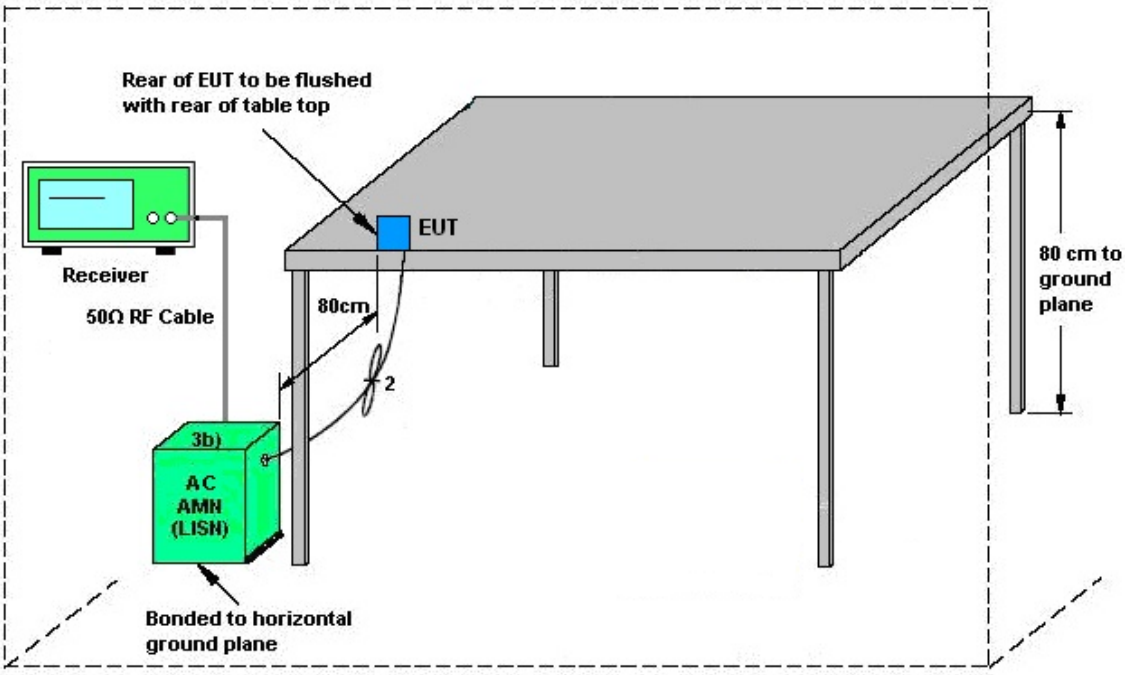
3.5.2 Measuring Instruments

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



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For power measurements on IEEE 802.11 devices,

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

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

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

For PSD measurements, the directional gain calculation follows F)2)f)ii) of KDB 662911 D01 v02r01.

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

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

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

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

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

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

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

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

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

<CDD Modes>						
	Chain 1 (dBi)	Chain 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	2.64	2.64	2.64	5.65	0.00	0.00
Band II	2.69	2.75	2.75	5.73	0.00	0.00
Band III	2.88	2.84	2.88	5.87	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^ (2.64 dBi / 20) + 10^ (2.64 dBi / 20)] ^ 2 } / 2 }
= 5.65 dBi

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 07, 2021	Jan. 21, 2022~ Feb. 10, 2022	Sep. 06, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00800N1D01N-06	40103 & 07	30MHz to 1GHz	Apr. 28, 2021	Jan. 21, 2022~ Feb. 10, 2022	Apr. 27, 2022	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2021	Jan. 21, 2022~ Feb. 10, 2022	Dec. 26, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Oct. 25, 2021	Jan. 21, 2022~ Feb. 10, 2022	Oct. 24, 2022	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Jan. 21, 2022~ Feb. 10, 2022	Nov. 29, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 06, 2021	Jan. 21, 2022~ Feb. 10, 2022	May 05, 2022	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Nov. 28, 2021	Jan. 21, 2022~ Feb. 10, 2022	Nov. 27, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18-40GHz	Jun. 22, 2021	Jan. 21, 2022~ Feb. 10, 2022	Jun. 21, 2022	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Jan. 21, 2022~ Feb. 10, 2022	Oct. 20, 2022	Radiation (03CH15-HY
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 07, 2021	Jan. 21, 2022~ Feb. 10, 2022	May 06, 2022	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 21, 2022~ Feb. 10, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 21, 2022~ Feb. 10, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Jan. 21, 2022~ Feb. 10, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE,508405/2E	30MHz~18G	Nov. 15, 2021	Jan. 21, 2022~ Feb. 10, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 22, 2021	Jan. 21, 2022~ Feb. 10, 2022	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 22, 2021	Jan. 21, 2022~ Feb. 10, 2022	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Jan. 21, 2022~ Feb. 10, 2022	Mar. 10, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-1530-6000-40ST	SN4	1.53GHz Low Pass Filter	Jul. 02, 2021	Jan. 21, 2022~ Feb. 10, 2022	Jul. 01, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jun. 30, 2021	Jan. 21, 2022~ Feb. 10, 2022	Jun. 29, 2022	Radiation (03CH15-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Jan. 08, 2022~ Feb. 18, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Meter	DARE	RPR3006W	16I00054SNO12 (NO:113)	10MHz~6GHz	Dec. 16, 2021	Jan. 08, 2022~ Feb. 18, 2022	Dec. 15, 2022	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Dec. 30, 2021	Jan. 08, 2022~ Feb. 18, 2022	Dec. 29, 2022	Conducted (TH05-HY)
Switch Control Manframe	E-IUSTRUMENT	ETF-1405-0	EC1900067 (BOX7)	N/A	Aug. 12, 2021	Jan. 08, 2022~ Feb. 18, 2022	Aug. 11, 2022	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jan. 25, 2022	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 25, 2022	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 29, 2021	Jan. 25, 2022	Oct. 28, 2022	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 17, 2021	Jan. 25, 2022	Mar. 16, 2022	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 01, 2021	Jan. 25, 2022	Jan. 31, 2022	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	9kHz~7GHz	Feb. 18, 2021	Jan. 25, 2022	Feb. 17, 2022	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303B	TP200728	N/A	Mar. 09, 2021	Jan. 25, 2022	Mar. 08, 2022	Conduction (CO07-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

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

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Benny Ku	Temperature:	21~25	°C
Test Date:	2022/1/8~2022/2/18	Relative Humidity:	51~54	%

Remark: For Conducted Test Items, Ant. 1 means Chain 1 (Aux.) and Ant. 2 means chain 2 (Main).

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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.75	16.75	21.85	21.70	-		22.24			
11a	6Mbps	2	44	5220	16.70	16.70	21.40	21.90	-		22.23			
11a	6Mbps	2	48	5240	16.45	16.50	19.45	19.30	-		22.16			

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	11.60	11.50	14.56	24.00		2.64			Pass
11a	6Mbps	2	44	5220	11.60	11.60	14.61	24.00		2.64			Pass
11a	6Mbps	2	48	5240	12.40	11.40	14.94	24.00		2.64			Pass
HT20	MCS0	2	36	5180	12.20	12.00	15.11	24.00		2.64			Pass
HT20	MCS0	2	44	5220	12.00	11.90	14.96	24.00		2.64			Pass
HT20	MCS0	2	48	5240	12.90	11.80	15.40	24.00		2.64			Pass
HT40	MCS0	2	38	5190	12.70	12.50	15.61	24.00		2.64			Pass
HT40	MCS0	2	46	5230	12.60	12.60	15.61	24.00		2.64			Pass
VHT20	MCS0	2	36	5180	12.20	12.00	15.11	24.00		2.64			Pass
VHT20	MCS0	2	44	5220	12.00	11.90	14.96	24.00		2.64			Pass
VHT20	MCS0	2	48	5240	12.90	11.80	15.40	24.00		2.64			Pass
VHT40	MCS0	2	38	5190	12.70	12.50	15.61	24.00		2.64			Pass
VHT40	MCS0	2	46	5230	12.60	12.60	15.61	24.00		2.64			Pass
VHT80	MCS0	2	42	5210	11.40	11.30	14.36	24.00		2.64			Pass
VHT160	MCS0	2	50	5250	11.30	10.40	13.88	24.00		2.64			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.03	0.03			4.27	11.00		5.65			Pass
11a	6Mbps	2	44	5220	0.03	0.03			4.32	11.00		5.65			Pass
11a	6Mbps	2	48	5240	0.03	0.03			3.97	11.00		5.65			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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.70	16.70	22.05	21.30	23.23		29.23		23.98		
11a	6Mbps	2	60	5300	16.70	16.75	21.75	22.50	23.23		29.23		23.98		
11a	6Mbps	2	64	5320	16.45	16.45	19.35	19.35	23.16		29.16		23.87		

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	12.90	12.00	15.48	23.98		2.75		30	Pass
11a	6Mbps	2	60	5300	13.00	12.90	15.96	23.98		2.75		30	Pass
11a	6Mbps	2	64	5320	12.60	12.60	15.61	23.87		2.75		30	Pass
HT20	MCS0	2	52	5260	12.70	11.70	15.24	23.98		2.75		30	Pass
HT20	MCS0	2	60	5300	12.70	12.80	15.76	23.98		2.75		30	Pass
HT20	MCS0	2	64	5320	12.80	12.80	15.81	23.98		2.75		30	Pass
HT40	MCS0	2	54	5270	12.60	11.70	15.18	23.98		2.75		30	Pass
HT40	MCS0	2	62	5310	12.70	12.80	15.76	23.98		2.75		30	Pass
VHT20	MCS0	2	52	5260	12.70	11.70	15.24	23.98		2.75		30	Pass
VHT20	MCS0	2	60	5300	12.70	12.80	15.76	23.98		2.75		30	Pass
VHT20	MCS0	2	64	5320	12.80	12.80	15.81	23.98		2.75		30	Pass
VHT40	MCS0	2	54	5270	12.60	11.70	15.18	23.98		2.75		30	Pass
VHT40	MCS0	2	62	5310	12.70	12.80	15.76	23.98		2.75		30	Pass
VHT80	MCS0	2	58	5290	12.40	11.70	15.07	23.98		2.75		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)				Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2			
11a	6Mbps	2	52	5260	0.03	0.03			4.32	11.00		5.73				Pass
11a	6Mbps	2	60	5300	0.03	0.03			4.85	11.00		5.73				Pass
11a	6Mbps	2	64	5320	0.03	0.03			4.88	11.00		5.73				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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.40	16.45	19.50	19.15	23.15		29.15		23.82		----	----
11a	6Mbps	2	116	5580	16.45	16.45	19.30	19.40	23.16		29.16		23.86		----	----
11a	6Mbps	2	140	5700	16.40	16.45	19.40	19.40	23.15		29.15		23.88		----	----

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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	13.25	13.25	14.90	14.70	22.22		28.22		22.67		3.2	3.25

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	13.20	12.50	15.87	23.82		2.88		30	Pass
11a	6Mbps	2	116	5580	13.10	12.50	15.82	23.86		2.88		30	Pass
11a	6Mbps	2	140	5700	13.20	12.30	15.78	23.88		2.88		30	Pass
HT20	MCS0	2	100	5500	12.60	11.80	15.23	23.98		2.88		30	Pass
HT20	MCS0	2	116	5580	12.90	12.20	15.57	23.98		2.88		30	Pass
HT20	MCS0	2	140	5700	13.00	12.10	15.58	23.98		2.88		30	Pass
HT40	MCS0	2	102	5510	13.10	12.30	15.73	23.98		2.88		30	Pass
HT40	MCS0	2	110	5550	13.00	12.10	15.58	23.98		2.88		30	Pass
HT40	MCS0	2	134	5670	13.10	12.20	15.68	23.98		2.88		30	Pass
VHT20	MCS0	2	100	5500	12.60	11.80	15.23	23.98		2.88		30	Pass
VHT20	MCS0	2	116	5580	12.90	12.20	15.57	23.98		2.88		30	Pass
VHT20	MCS0	2	140	5700	13.00	12.10	15.58	23.98		2.88		30	Pass
VHT40	MCS0	2	102	5510	13.10	12.30	15.73	23.98		2.88		30	Pass
VHT40	MCS0	2	110	5550	13.00	12.10	15.58	23.98		2.88		30	Pass
VHT40	MCS0	2	134	5670	13.10	12.20	15.68	23.98		2.88		30	Pass
VHT80	MCS0	2	106	5530	13.10	12.20	15.68	23.98		2.88		30	Pass
VHT80	MCS0	2	122	5610	13.10	12.50	15.82	23.98		2.88		30	Pass
VHT160	MCS0	2	114	5570	12.40	11.70	15.07	23.98		2.88		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	13.10	12.20	15.68	22.67		2.88		30	Pass
HT20	MCS0	2	144	5720	12.90	12.00	15.48	23.98		2.88		30	Pass
HT40	MCS0	2	142	5710	13.00	12.10	15.58	23.98		2.88		30	Pass
VHT20	MCS0	2	144	5720	12.90	12.00	15.48	23.98		2.88		30	Pass
VHT40	MCS0	2	142	5710	13.00	12.10	15.58	23.98		2.88		30	Pass
VHT80	MCS0	2	138	5690	13.10	11.90	15.55	23.98		2.88		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)				Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2			
11a	6Mbps	2	100	5500	0.03	0.03			5.07	11.00		5.87				Pass
11a	6Mbps	2	116	5580	0.03	0.03			4.98	11.00		5.87				Pass
11a	6Mbps	2	140	5700	0.03	0.03			5.05	11.00		5.87				Pass

Band III straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)				Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2			
11a	6Mbps	2	144	5720	0.03	0.03			5.00	11.00		5.87				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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	19.00	19.00	21.60	21.25	-		22.79			
HE20	MCS0	2	44	5220	Full	18.95	19.00	21.45	21.30	-		22.78			
HE20	MCS0	2	48	5240	Full	19.00	18.95	21.45	21.10	-		22.78			
HE40	MCS0	2	38	5190	Full	38.00	37.80	40.41	40.23	-		23.01			
HE40	MCS0	2	46	5230	Full	37.90	37.90	40.23	40.14	-		23.01			
HE80	MCS0	2	42	5210	Full	77.16	77.16	82.56	83.04	-		23.01			
HE160	MCS0	2	50	5250	Full	156.24	156.48	168.96	168.00	-		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	12.30	12.10	15.21	24.00		2.64			Pass
HE20	MCS0	2	36	5180	26/0	1.90	2.60	5.27	24.00		2.64			Pass
HE20	MCS0	2	36	5180	52/37	5.20	4.50	7.87	24.00		2.64			Pass
HE20	MCS0	2	36	5180	106/53	8.30	7.80	11.07	24.00		2.64			Pass
HE20	MCS0	2	36	5180	242/61	12.20	12.20	15.21	24.00		2.64			Pass
HE20	MCS0	2	44	5220	Full	12.10	12.00	15.06	24.00		2.64			Pass
HE20	MCS0	2	44	5220	26/4	3.20	2.90	6.06	24.00		2.64			Pass
HE20	MCS0	2	44	5220	52/39	5.60	5.40	8.51	24.00		2.64			Pass
HE20	MCS0	2	44	5220	106/53	8.50	8.20	11.36	24.00		2.64			Pass
HE20	MCS0	2	44	5220	242/61	12.20	12.10	15.16	24.00		2.64			Pass
HE20	MCS0	2	48	5240	Full	13.00	11.90	15.50	24.00		2.64			Pass
HE20	MCS0	2	48	5240	26/8	2.00	1.70	4.86	24.00		2.64			Pass
HE20	MCS0	2	48	5240	52/40	5.60	4.20	7.97	24.00		2.64			Pass
HE20	MCS0	2	48	5240	106/54	8.60	7.40	11.05	24.00		2.64			Pass
HE20	MCS0	2	48	5240	242/61	12.90	11.80	15.40	24.00		2.64			Pass
HE40	MCS0	2	38	5190	Full	12.80	12.60	15.71	24.00		2.64			Pass
HE40	MCS0	2	38	5190	26/9	-1.20	-0.40	2.23	24.00		2.64			Pass
HE40	MCS0	2	38	5190	52/41	1.70	2.40	5.07	24.00		2.64			Pass
HE40	MCS0	2	38	5190	106/55	5.20	5.20	8.21	24.00		2.64			Pass
HE40	MCS0	2	38	5190	242/62	9.30	8.80	12.07	24.00		2.64			Pass
HE40	MCS0	2	38	5190	484/65	12.70	12.50	15.61	24.00		2.64			Pass
HE40	MCS0	2	46	5230	Full	12.60	12.70	15.66	24.00		2.64			Pass
HE40	MCS0	2	46	5230	26/27	-2.30	-1.20	1.30	24.00		2.64			Pass
HE40	MCS0	2	46	5230	52/48	1.10	2.00	4.58	24.00		2.64			Pass
HE40	MCS0	2	46	5230	106/58	5.00	4.50	7.77	24.00		2.64			Pass
HE40	MCS0	2	46	5230	242/63	8.40	8.20	11.31	24.00		2.64			Pass
HE40	MCS0	2	46	5230	484/65	11.60	11.50	14.56	24.00		2.64			Pass
HE80	MCS0	2	42	5210	Full	11.50	11.40	14.46	24.00		2.64			Pass
HE80	MCS0	2	42	5210	966/67	11.40	11.20	14.31	24.00		2.64			Pass
HE160	MCS0	2	50	5250	Full	11.40	10.50	13.98	24.00		2.64			Pass
HE160	MCS0	2	50	5250	1992/68	11.30	10.40	13.88	24.00		2.64			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 (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)				Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2			
HE20	MCS0	2	36	5180	Full	0.01	0.01			3.93	11.00		5.65				Pass
HE20	MCS0	2	36	5180	26/0	0.01	0.01			3.59	11.00		5.65				Pass
HE20	MCS0	2	36	5180	52/37	0.01	0.01			3.28	11.00		5.65				Pass
HE20	MCS0	2	36	5180	106/53	0.01	0.01			3.33	11.00		5.65				Pass
HE20	MCS0	2	36	5180	242/61	0.01	0.01			3.74	11.00		5.65				Pass
HE20	MCS0	2	44	5220	Full	0.01	0.01			4.04	11.00		5.65				Pass
HE20	MCS0	2	44	5220	26/4	0.01	0.01			4.02	11.00		5.65				Pass
HE20	MCS0	2	44	5220	52/39	0.01	0.01			3.86	11.00		5.65				Pass
HE20	MCS0	2	44	5220	106/53	0.01	0.01			3.41	11.00		5.65				Pass
HE20	MCS0	2	44	5220	242/61	0.01	0.01			3.59	11.00		5.65				Pass
HE20	MCS0	2	48	5240	Full	0.01	0.01			3.93	11.00		5.65				Pass
HE20	MCS0	2	48	5240	26/8	0.01	0.01			3.82	11.00		5.65				Pass
HE20	MCS0	2	48	5240	52/40	0.01	0.01			3.75	11.00		5.65				Pass
HE20	MCS0	2	48	5240	106/54	0.01	0.01			3.62	11.00		5.65				Pass
HE20	MCS0	2	48	5240	242/61	0.01	0.01			3.76	11.00		5.65				Pass
HE40	MCS0	2	38	5190	Full	0.01	0.01			1.02	11.00		5.65				Pass
HE40	MCS0	2	38	5190	26/9	0.01	0.01			0.90	11.00		5.65				Pass
HE40	MCS0	2	38	5190	52/41	0.01	0.01			0.88	11.00		5.65				Pass
HE40	MCS0	2	38	5190	106/55	0.01	0.01			0.74	11.00		5.65				Pass
HE40	MCS0	2	38	5190	242/62	0.01	0.01			0.93	11.00		5.65				Pass
HE40	MCS0	2	38	5190	484/65	0.01	0.01			0.96	11.00		5.65				Pass
HE40	MCS0	2	46	5230	Full	0.01	0.01			1.24	11.00		5.65				Pass
HE40	MCS0	2	46	5230	26/27	0.01	0.01			1.21	11.00		5.65				Pass
HE40	MCS0	2	46	5230	52/48	0.01	0.01			1.18	11.00		5.65				Pass
HE40	MCS0	2	46	5230	106/58	0.01	0.01			1.01	11.00		5.65				Pass
HE40	MCS0	2	46	5230	242/63	0.01	0.01			1.08	11.00		5.65				Pass
HE40	MCS0	2	46	5230	484/65	0.01	0.01			0.84	11.00		5.65				Pass
HE80	MCS0	2	42	5210	Full	0.01	0.01			-1.91	11.00		5.65				Pass
HE80	MCS0	2	42	5210	966/67	0.01	0.01			-2.36	11.00		5.65				Pass
HE160	MCS0	2	50	5250	Full	0.01	0.01			-5.50	11.00		5.65				Pass
HE160	MCS0	2	50	5250	1992/68	0.01	0.01			-5.56	11.00		5.65				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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full	18.90	18.95	21.35	21.30	23.76		29.76		23.98		
HE20	MCS0	2	60	5300	Full	19.00	19.00	21.35	21.20	23.79		29.79		23.98		
HE20	MCS0	2	64	5320	Full	18.90	18.95	21.25	21.20	23.76		29.76		23.98		
HE40	MCS0	2	54	5270	Full	38.00	37.90	41.22	40.32	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	38.00	38.00	40.32	40.23	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.04	77.04	82.88	82.40	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	12.80	11.80	15.34	23.98		2.75		30	Pass
HE20	MCS0	2	52	5260	26/0	1.90	1.90	4.91	23.98		2.75		30	Pass
HE20	MCS0	2	52	5260	52/37	6.20	4.80	8.57	23.98		2.75		30	Pass
HE20	MCS0	2	52	5260	106/53	9.10	8.00	11.60	23.98		2.75		30	Pass
HE20	MCS0	2	52	5260	242/61	12.70	11.70	15.24	23.98		2.75		30	Pass
HE20	MCS0	2	60	5300	Full	12.60	12.90	15.76	23.98		2.75		30	Pass
HE20	MCS0	2	60	5300	26/4	2.10	3.20	5.70	23.98		2.75		30	Pass
HE20	MCS0	2	60	5300	52/39	5.80	5.80	8.81	23.98		2.75		30	Pass
HE20	MCS0	2	60	5300	106/54	8.00	8.10	11.06	23.98		2.75		30	Pass
HE20	MCS0	2	60	5300	242/61	12.40	12.60	15.51	23.98		2.75		30	Pass
HE20	MCS0	2	64	5320	Full	12.90	12.90	15.91	23.98		2.75		30	Pass
HE20	MCS0	2	64	5320	26/8	1.80	2.70	5.28	23.98		2.75		30	Pass
HE20	MCS0	2	64	5320	52/40	5.30	5.30	8.31	23.98		2.75		30	Pass
HE20	MCS0	2	64	5320	106/54	8.80	8.90	11.86	23.98		2.75		30	Pass
HE20	MCS0	2	64	5320	242/61	12.80	12.80	15.81	23.98		2.75		30	Pass
HE40	MCS0	2	54	5270	Full	12.70	11.80	15.28	23.98		2.75		30	Pass
HE40	MCS0	2	54	5270	26/9	-1.10	-1.00	1.96	23.98		2.75		30	Pass
HE40	MCS0	2	54	5270	52/41	1.70	1.70	4.71	23.98		2.75		30	Pass
HE40	MCS0	2	54	5270	106/55	5.90	4.70	8.35	23.98		2.75		30	Pass
HE40	MCS0	2	54	5270	242/62	9.20	8.10	11.70	23.98		2.75		30	Pass
HE40	MCS0	2	54	5270	484/65	12.60	11.70	15.18	23.98		2.75		30	Pass
HE40	MCS0	2	62	5310	Full	12.80	12.90	15.86	23.98		2.75		30	Pass
HE40	MCS0	2	62	5310	26/27	-1.80	-0.50	1.91	23.98		2.75		30	Pass
HE40	MCS0	2	62	5310	52/48	1.80	2.80	5.34	23.98		2.75		30	Pass
HE40	MCS0	2	62	5310	106/58	5.50	5.40	8.46	23.98		2.75		30	Pass
HE40	MCS0	2	62	5310	242/63	9.00	9.10	12.06	23.98		2.75		30	Pass
HE40	MCS0	2	62	5310	484/65	12.30	12.40	15.36	23.98		2.75		30	Pass
HE80	MCS0	2	58	5290	Full	12.50	11.80	15.17	23.98		2.75		30	Pass
HE80	MCS0	2	58	5290	966/67	12.40	11.60	15.03	23.98		2.75		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 (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	0.01	0.01			4.15	11.00		5.73			Pass
HE20	MCS0	2	52	5260	26/0	0.01	0.01			3.67	11.00		5.73			Pass
HE20	MCS0	2	52	5260	52/37	0.01	0.01			4.01	11.00		5.73			Pass
HE20	MCS0	2	52	5260	106/53	0.01	0.01			4.03	11.00		5.73			Pass
HE20	MCS0	2	52	5260	242/61	0.01	0.01			3.43	11.00		5.73			Pass
HE20	MCS0	2	60	5300	Full	0.01	0.01			4.17	11.00		5.73			Pass
HE20	MCS0	2	60	5300	26/4	0.01	0.01			3.68	11.00		5.73			Pass
HE20	MCS0	2	60	5300	52/39	0.01	0.01			4.00	11.00		5.73			Pass
HE20	MCS0	2	60	5300	106/54	0.01	0.01			3.69	11.00		5.73			Pass
HE20	MCS0	2	60	5300	242/61	0.01	0.01			3.93	11.00		5.73			Pass
HE20	MCS0	2	64	5320	Full	0.01	0.01			4.19	11.00		5.73			Pass
HE20	MCS0	2	64	5320	26/8	0.01	0.01			4.10	11.00		5.73			Pass
HE20	MCS0	2	64	5320	52/40	0.01	0.01			3.82	11.00		5.73			Pass
HE20	MCS0	2	64	5320	106/54	0.01	0.01			4.16	11.00		5.73			Pass
HE20	MCS0	2	64	5320	242/61	0.01	0.01			3.99	11.00		5.73			Pass
HE40	MCS0	2	54	5270	Full	0.01	0.01			1.63	11.00		5.73			Pass
HE40	MCS0	2	54	5270	26/9	0.01	0.01			1.49	11.00		5.73			Pass
HE40	MCS0	2	54	5270	52/41	0.01	0.01			1.16	11.00		5.73			Pass
HE40	MCS0	2	54	5270	106/55	0.01	0.01			1.44	11.00		5.73			Pass
HE40	MCS0	2	54	5270	242/62	0.01	0.01			1.18	11.00		5.73			Pass
HE40	MCS0	2	54	5270	484/65	0.01	0.01			1.53	11.00		5.73			Pass
HE40	MCS0	2	62	5310	Full	0.01	0.01			1.93	11.00		5.73			Pass
HE40	MCS0	2	62	5310	26/27	0.01	0.01			1.59	11.00		5.73			Pass
HE40	MCS0	2	62	5310	52/48	0.01	0.01			1.75	11.00		5.73			Pass
HE40	MCS0	2	62	5310	106/58	0.01	0.01			1.46	11.00		5.73			Pass
HE40	MCS0	2	62	5310	242/63	0.01	0.01			1.83	11.00		5.73			Pass
HE40	MCS0	2	62	5310	484/65	0.01	0.01			1.50	11.00		5.73			Pass
HE80	MCS0	2	58	5290	Full	0.01	0.01			-1.46	11.00		5.73			Pass
HE80	MCS0	2	58	5290	966/67	0.01	0.01			-1.81	11.00		5.73			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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	19.00	18.95	21.15	21.10	23.78		29.78		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.95	18.95	21.20	21.40	23.78		29.78		23.98		----	----
HE20	MCS0	2	140	5700	Full	19.00	18.95	21.40	21.20	23.78		29.78		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.90	37.90	40.41	40.32	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.80	37.80	39.87	40.23	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	38.10	37.80	40.23	40.23	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.28	77.16	82.56	82.72	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.16	77.16	83.04	82.72	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.24	156.48	168.64	167.68	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	144	5720	Full	14.55	14.50	15.65	15.45	22.61		28.61		22.89		4.35	4.3
HE40	MCS0	2	142	5710	Full	34.10	34.00	35.16	35.25	23.98		30.00		23.98		3.45	3.54
HE80	MCS0	2	138	5690	Full	73.64	73.64	76.60	76.92	23.98		30.00		23.98		3.72	3.72

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	12.70	11.90	15.33	23.98		2.88		30	Pass
HE20	MCS0	2	100	5500	26/0	2.30	2.30	5.31	23.98		2.88		30	Pass
HE20	MCS0	2	100	5500	52/37	5.20	4.50	7.87	23.98		2.88		30	Pass
HE20	MCS0	2	100	5500	106/53	8.80	8.00	11.43	23.98		2.88		30	Pass
HE20	MCS0	2	100	5500	242/61	12.60	11.80	15.23	23.98		2.88		30	Pass
HE20	MCS0	2	116	5580	Full	13.00	12.30	15.67	23.98		2.88		30	Pass
HE20	MCS0	2	116	5580	26/4	2.90	3.40	6.17	23.98		2.88		30	Pass
HE20	MCS0	2	116	5580	52/39	5.30	4.80	8.07	23.98		2.88		30	Pass
HE20	MCS0	2	116	5580	106/53	9.10	8.50	11.82	23.98		2.88		30	Pass
HE20	MCS0	2	116	5580	242/61	12.90	12.20	15.57	23.98		2.88		30	Pass
HE20	MCS0	2	140	5700	Full	13.10	12.20	15.68	23.98		2.88		30	Pass
HE20	MCS0	2	140	5700	26/8	2.00	1.80	4.91	23.98		2.88		30	Pass
HE20	MCS0	2	140	5700	52/40	5.80	4.80	8.34	23.98		2.88		30	Pass
HE20	MCS0	2	140	5700	106/54	8.90	8.40	11.67	23.98		2.88		30	Pass
HE20	MCS0	2	140	5700	242/61	13.00	12.10	15.58	23.98		2.88		30	Pass
HE40	MCS0	2	102	5510	Full	13.20	12.40	15.83	23.98		2.88		30	Pass
HE40	MCS0	2	102	5510	26/9	-1.00	-0.90	2.06	23.98		2.88		30	Pass
HE40	MCS0	2	102	5510	52/41	2.00	2.10	5.06	23.98		2.88		30	Pass
HE40	MCS0	2	102	5510	106/55	5.40	4.40	7.94	23.98		2.88		30	Pass
HE40	MCS0	2	102	5510	242/62	9.50	8.60	12.08	23.98		2.88		30	Pass
HE40	MCS0	2	102	5510	484/65	12.60	11.90	15.27	23.98		2.88		30	Pass
HE40	MCS0	2	110	5550	Full	13.10	12.20	15.68	23.98		2.88		30	Pass
HE40	MCS0	2	110	5550	26/27	-0.70	-0.60	2.36	23.98		2.88		30	Pass
HE40	MCS0	2	110	5550	52/48	2.50	2.70	5.61	23.98		2.88		30	Pass
HE40	MCS0	2	110	5550	106/58	6.20	5.40	8.83	23.98		2.88		30	Pass
HE40	MCS0	2	110	5550	242/63	9.60	9.10	12.37	23.98		2.88		30	Pass
HE40	MCS0	2	110	5550	484/65	13.00	12.10	15.58	23.98		2.88		30	Pass
HE40	MCS0	2	134	5670	Full	13.20	12.30	15.78	23.98		2.88		30	Pass
HE40	MCS0	2	134	5670	26/9	-0.40	-0.80	2.41	23.98		2.88		30	Pass
HE40	MCS0	2	134	5670	52/41	2.30	2.10	5.21	23.98		2.88		30	Pass
HE40	MCS0	2	134	5670	106/55	6.20	4.80	8.57	23.98		2.88		30	Pass
HE40	MCS0	2	134	5670	242/62	9.60	8.60	12.14	23.98		2.88		30	Pass
HE40	MCS0	2	134	5670	484/65	13.10	12.20	15.68	23.98		2.88		30	Pass
HE80	MCS0	2	106	5530	Full	13.20	12.30	15.78	23.98		2.88		30	Pass
HE80	MCS0	2	106	5530	966/67	13.10	12.20	15.68	23.98		2.88		30	Pass
HE80	MCS0	2	122	5610	Full	13.20	12.60	15.92	23.98		2.88		30	Pass
HE80	MCS0	2	122	5610	966/67	13.10	12.50	15.82	23.98		2.88		30	Pass
HE160	MCS0	2	114	5570	Full	12.50	11.80	15.17	23.98		2.88		30	Pass
HE160	MCS0	2	114	5570	1992/68	12.40	11.70	15.07	23.98		2.88		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	13.00	12.10	15.58	22.89		2.88		30	Pass
HE20	MCS0	2	144	5720	26/8	2.20	1.80	5.01	22.89		2.88		30	Pass
HE20	MCS0	2	144	5720	52/40	5.70	4.70	8.24	22.89		2.88		30	Pass
HE20	MCS0	2	144	5720	106/54	9.00	8.20	11.63	22.89		2.88		30	Pass
HE20	MCS0	2	144	5720	242/61	12.90	12.00	15.48	23.98		2.88		30	Pass
HE40	MCS0	2	142	5710	Full	13.10	12.20	15.68	23.98		2.88		30	Pass
HE40	MCS0	2	142	5710	26/27	-0.60	-0.60	2.41	23.98		2.88		30	Pass
HE40	MCS0	2	142	5710	52/48	2.20	2.20	5.21	23.98		2.88		30	Pass
HE40	MCS0	2	142	5710	106/58	6.20	5.20	8.74	23.98		2.88		30	Pass
HE40	MCS0	2	142	5710	242/63	9.30	8.80	12.07	23.98		2.88		30	Pass
HE40	MCS0	2	142	5710	484/65	13.00	12.10	15.58	23.98		2.88		30	Pass
HE80	MCS0	2	138	5690	Full	13.20	12.00	15.65	23.98		2.88		30	Pass
HE80	MCS0	2	138	5690	966/67	13.10	11.90	15.55	23.98		2.88		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 (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	0.01	0.01			4.20	11.00		5.87			Pass
HE20	MCS0	2	100	5500	26/0	0.01	0.01			4.14	11.00		5.87			Pass
HE20	MCS0	2	100	5500	52/37	0.01	0.01			3.89	11.00		5.87			Pass
HE20	MCS0	2	100	5500	106/53	0.01	0.01			4.09	11.00		5.87			Pass
HE20	MCS0	2	100	5500	242/61	0.01	0.01			4.03	11.00		5.87			Pass
HE20	MCS0	2	116	5580	Full	0.01	0.01			4.59	11.00		5.87			Pass
HE20	MCS0	2	116	5580	26/4	0.01	0.01			4.30	11.00		5.87			Pass
HE20	MCS0	2	116	5580	52/39	0.01	0.01			4.44	11.00		5.87			Pass
HE20	MCS0	2	116	5580	106/53	0.01	0.01			4.50	11.00		5.87			Pass
HE20	MCS0	2	116	5580	242/61	0.01	0.01			4.32	11.00		5.87			Pass
HE20	MCS0	2	140	5700	Full	0.01	0.01			4.48	11.00		5.87			Pass
HE20	MCS0	2	140	5700	26/8	0.01	0.01			4.00	11.00		5.87			Pass
HE20	MCS0	2	140	5700	52/40	0.01	0.01			4.22	11.00		5.87			Pass
HE20	MCS0	2	140	5700	106/54	0.01	0.01			4.24	11.00		5.87			Pass
HE20	MCS0	2	140	5700	242/61	0.01	0.01			4.24	11.00		5.87			Pass
HE40	MCS0	2	102	5510	Full	0.01	0.01			2.15	11.00		5.87			Pass
HE40	MCS0	2	102	5510	26/9	0.01	0.01			2.00	11.00		5.87			Pass
HE40	MCS0	2	102	5510	52/41	0.01	0.01			1.90	11.00		5.87			Pass
HE40	MCS0	2	102	5510	106/55	0.01	0.01			1.89	11.00		5.87			Pass
HE40	MCS0	2	102	5510	242/62	0.01	0.01			1.75	11.00		5.87			Pass
HE40	MCS0	2	102	5510	484/65	0.01	0.01			1.85	11.00		5.87			Pass
HE40	MCS0	2	110	5550	Full	0.01	0.01			2.71	11.00		5.87			Pass
HE40	MCS0	2	110	5550	26/27	0.01	0.01			2.49	11.00		5.87			Pass
HE40	MCS0	2	110	5550	52/48	0.01	0.01			2.56	11.00		5.87			Pass
HE40	MCS0	2	110	5550	106/58	0.01	0.01			2.68	11.00		5.87			Pass
HE40	MCS0	2	110	5550	242/63	0.01	0.01			2.65	11.00		5.87			Pass
HE40	MCS0	2	110	5550	484/65	0.01	0.01			2.43	11.00		5.87			Pass
HE40	MCS0	2	134	5670	Full	0.01	0.01			2.32	11.00		5.87			Pass
HE40	MCS0	2	134	5670	26/9	0.01	0.01			2.19	11.00		5.87			Pass
HE40	MCS0	2	134	5670	52/41	0.01	0.01			2.02	11.00		5.87			Pass
HE40	MCS0	2	134	5670	106/55	0.01	0.01			2.07	11.00		5.87			Pass
HE40	MCS0	2	134	5670	242/62	0.01	0.01			2.23	11.00		5.87			Pass
HE40	MCS0	2	134	5670	484/65	0.01	0.01			2.26	11.00		5.87			Pass
HE80	MCS0	2	106	5530	Full	0.01	0.01			-0.37	11.00		5.87			Pass
HE80	MCS0	2	106	5530	966/67	0.01	0.01			-0.64	11.00		5.87			Pass
HE80	MCS0	2	122	5610	Full	0.01	0.01			-0.85	11.00		5.87			Pass
HE80	MCS0	2	122	5610	966/67	0.01	0.01			-1.23	11.00		5.87			Pass
HE160	MCS0	2	114	5570	Full	0.01	0.01			-4.25	11.00		5.87			Pass
HE160	MCS0	2	114	5570	1992/68	0.01	0.01			-4.39	11.00		5.87			Pass

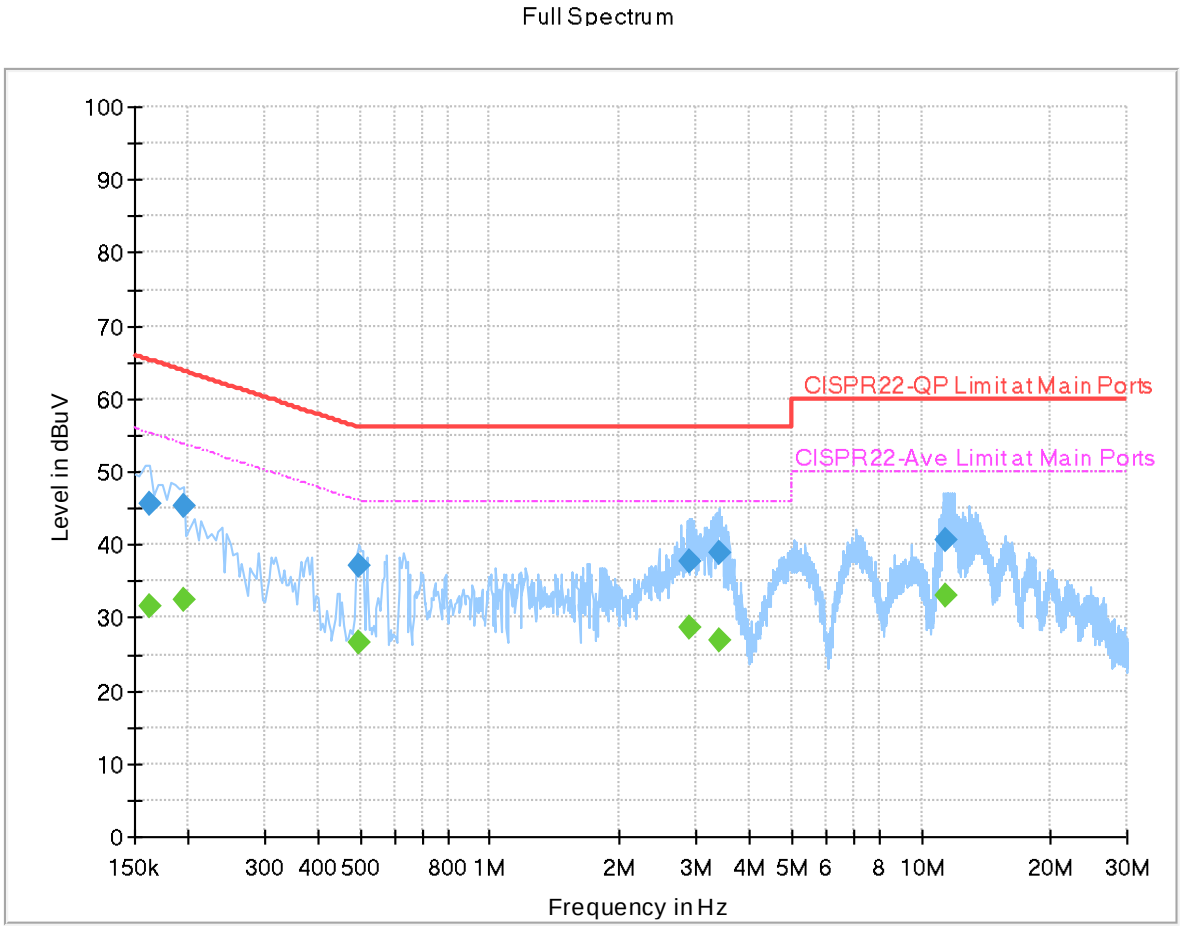
Band III straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	0.01	0.01			4.53	11.00		5.87			Pass
HE40	MCS0	2	144	5720	26/8	0.01	0.01			4.17	11.00		5.87			Pass
HE40	MCS0	2	144	5720	52/40	0.01	0.01			4.25	11.00		5.87			Pass
HE40	MCS0	2	144	5720	106/54	0.01	0.01			4.37	11.00		5.87			Pass
HE20	MCS0	2	144	5720	242/61	0.01	0.01			4.24	11.00		5.87			Pass
HE40	MCS0	2	142	5710	Full	0.01	0.01			2.31	11.00		5.87			Pass
HE40	MCS0	2	142	5710	26/27	0.01	0.01			2.24	11.00		5.87			Pass
HE40	MCS0	2	142	5710	52/48	0.01	0.01			1.96	11.00		5.87			Pass
HE40	MCS0	2	142	5710	106/58	0.01	0.01			2.29	11.00		5.87			Pass
HE40	MCS0	2	142	5710	242/63	0.01	0.01			1.98	11.00		5.87			Pass
HE40	MCS0	2	142	5710	484/65	0.01	0.01			2.06	11.00		5.87			Pass
HE80	MCS0	2	138	5690	Full	0.01	0.01			-0.70	11.00		5.87			Pass
HE80	MCS0	2	138	5690	966/67	0.01	0.01			-1.04	11.00		5.87			Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	1D1645-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

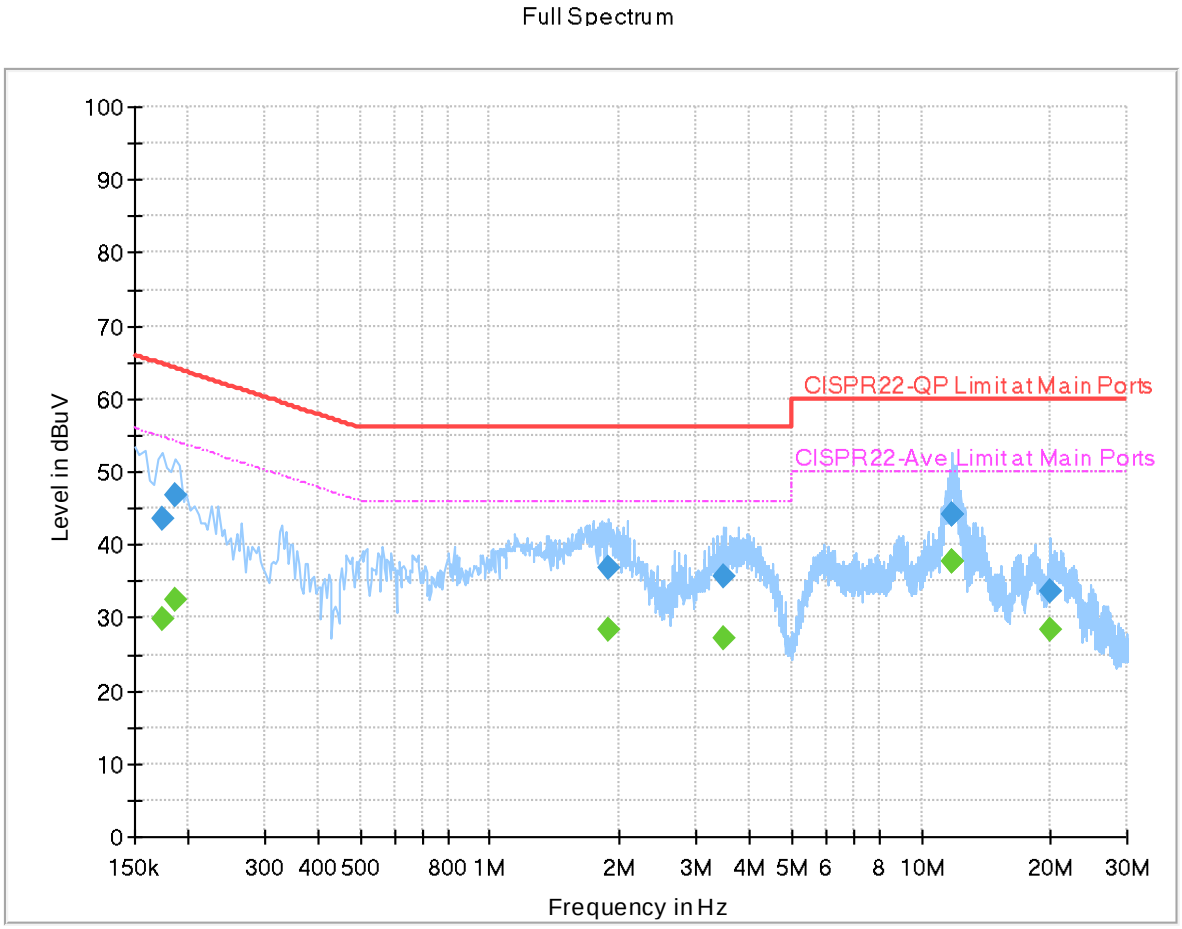


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.162000	---	31.53	55.36	23.83	L1	OFF	20.1
0.162000	45.71	---	65.36	19.65	L1	OFF	20.1
0.194000	---	32.50	53.86	21.36	L1	OFF	20.0
0.194000	45.31	---	63.86	18.55	L1	OFF	20.0
0.494000	---	26.56	46.10	19.54	L1	OFF	20.0
0.494000	37.24	---	56.10	18.86	L1	OFF	20.0
2.890000	---	28.75	46.00	17.25	L1	OFF	20.1
2.890000	37.59	---	56.00	18.41	L1	OFF	20.1
3.406000	---	26.86	46.00	19.14	L1	OFF	20.1
3.406000	38.79	---	56.00	17.21	L1	OFF	20.1
11.438000	---	33.12	50.00	16.88	L1	OFF	20.2
11.438000	40.54	---	60.00	19.46	L1	OFF	20.2

EUT Information

Report NO :	1D1645-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174000	---	29.71	54.77	25.06	N	OFF	20.1
0.174000	43.62	---	64.77	21.15	N	OFF	20.1
0.186000	---	32.32	54.21	21.89	N	OFF	20.1
0.186000	46.76	---	64.21	17.45	N	OFF	20.1
1.886000	---	28.25	46.00	17.75	N	OFF	20.1
1.886000	36.98	---	56.00	19.02	N	OFF	20.1
3.494000	---	27.26	46.00	18.74	N	OFF	20.1
3.494000	35.69	---	56.00	20.31	N	OFF	20.1
11.734000	---	37.74	50.00	12.26	N	OFF	20.2
11.734000	44.28	---	60.00	15.72	N	OFF	20.2
11.842000	---	37.75	50.00	12.25	N	OFF	20.2
11.842000	44.09	---	60.00	15.91	N	OFF	20.2
19.994000	---	28.38	50.00	21.62	N	OFF	20.3
19.994000	33.55	---	60.00	26.45	N	OFF	20.3

Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22~24.5°C
		Relative Humidity :	40~60%

Remark: For Radiated Spurious Emission Test Items, Ant. 1 means Chain 1 (Aux.) and Ant. 2 means Chain 2 (Main).

<Sample 1>

Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 36 5180MHz		5029.38	48.78	-25.22	74	42.98	32.88	9.87	36.95	351	175	P	H
		5012.48	37.64	-16.36	54	31.79	32.95	9.85	36.95	351	175	A	H
	*	5180	106.46	-	-	100.46	32.84	10.03	36.87	351	175	P	H
	*	5180	98.65	-	-	92.65	32.84	10.03	36.87	351	175	A	H
													H
		5024.7	49.14	-24.86	74	43.32	32.9	9.87	36.95	285	190	P	V
		5091.78	38.16	-15.84	54	32.08	33.05	9.94	36.91	285	190	A	V
	*	5180	108.45	-	-	102.45	32.84	10.03	36.87	285	190	P	V
	*	5180	100.43	-	-	94.43	32.84	10.03	36.87	285	190	A	V
													V
802.11a CH 44 5220MHz		5085.28	49.08	-24.92	74	43.06	33.01	9.93	36.92	381	157	P	H
		5090.48	37.77	-16.23	54	31.7	33.04	9.94	36.91	381	157	A	H
	*	5220	105.78	-	-	99.72	32.84	10.07	36.85	381	157	P	H
	*	5220	98.42	-	-	92.36	32.84	10.07	36.85	381	157	A	H
		5448.8	47.77	-26.23	74	41.56	32.7	10.25	36.74	381	157	P	H
		5389.16	38.04	-15.96	54	31.91	32.7	10.2	36.77	381	157	A	H
		5040.3	49.18	-24.82	74	43.4	32.84	9.88	36.94	299	190	P	V
		5076.7	38.36	-15.64	54	32.4	32.96	9.92	36.92	299	190	A	V
	*	5220	108.25	-	-	102.19	32.84	10.07	36.85	299	190	P	V
	*	5220	100.9	-	-	94.84	32.84	10.07	36.85	299	190	A	V
		5360.6	49.46	-24.54	74	43.36	32.7	10.18	36.78	299	190	P	V
		5400.64	38.36	-15.64	54	32.21	32.7	10.21	36.76	299	190	A	V

802.11a CH 48 5240MHz		5123.76	48.29	-25.71	74	42.22	33	9.97	36.9	346	209	P	H
		5092.04	37.72	-16.28	54	31.64	33.05	9.94	36.91	346	209	A	H
	*	5240	104.96	-	-	98.84	32.88	10.08	36.84	346	209	P	H
	*	5240	97.04	-	-	90.92	32.88	10.08	36.84	346	209	A	H
		5365.08	48.53	-25.47	74	42.43	32.7	10.18	36.78	346	209	P	H
		5397	38	-16	54	31.85	32.7	10.21	36.76	346	209	A	H
		5094.9	49.39	-24.61	74	43.29	33.07	9.94	36.91	301	190	P	V
		5088.92	38.62	-15.38	54	32.58	33.03	9.93	36.92	301	190	A	V
	*	5240	107.82	-	-	101.7	32.88	10.08	36.84	301	190	P	V
	*	5240	99.97	-	-	93.85	32.88	10.08	36.84	301	190	A	V
		5447.12	48.49	-25.51	74	42.28	32.7	10.25	36.74	301	190	P	V
		5413.52	38.38	-15.62	54	32.21	32.7	10.22	36.75	301	190	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10360	45.51	-22.69	68.2	53.3	38.46	14.55	60.8	-	-	P	H
		10773	48.31	-25.69	74	55.49	38.95	14.76	60.89	-	-	P	H
		10773	39.67	-14.33	54	46.85	38.95	14.76	60.89	-	-	A	H
		14491	48.68	-25.32	74	54.86	40.51	16.48	63.17	-	-	P	H
		14491	41.05	-12.95	54	47.23	40.51	16.48	63.17	-	-	A	H
		15540	45.7	-28.3	74	52.93	38.12	17.01	62.36	-	-	P	H
		18000	52.44	-21.56	74	47.64	43.1	18.94	57.24	-	-	P	H
		18000	43.16	-10.84	54	38.36	43.1	18.94	57.24	-	-	A	H
													H
													H
													H
													H
		10360	45.38	-22.82	68.2	53.17	38.46	14.55	60.8	-	-	P	V
		10773	47.77	-26.23	74	54.95	38.95	14.76	60.89	-	-	P	V
		10773	39.55	-14.45	54	46.73	38.95	14.76	60.89	-	-	A	V
		14491	47.71	-26.29	74	53.89	40.51	16.48	63.17	-	-	P	V
		14491	41.13	-12.87	54	47.31	40.51	16.48	63.17	-	-	A	V
		15540	45.49	-28.51	74	52.72	38.12	17.01	62.36	-	-	P	V
		18000	52.13	-21.87	74	47.33	43.1	18.94	57.24	-	-	P	V
		18000	43.21	-10.79	54	38.41	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

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)
802.11a CH 44 5220MHz		10440	45.19	-23.01	68.2	53.01	38.46	14.59	60.87	-	-	P	H
		11752	48.19	-25.81	74	55.63	38.45	15.25	61.14	-	-	P	H
		11752	39.39	-14.61	54	46.83	38.45	15.25	61.14	-	-	A	H
		14491	48.62	-25.38	74	54.8	40.51	16.48	63.17	-	-	P	H
		14491	41.19	-12.81	54	47.37	40.51	16.48	63.17	-	-	A	H
		15660	44.62	-29.38	74	51.63	37.82	17.07	61.9	-	-	P	H
		17978	51.95	-22.05	74	47.41	42.9	18.93	57.29	-	-	P	H
		17978	42.78	-11.22	54	38.24	42.9	18.93	57.29	-	-	A	H
													H
													H
													H
													H
		10440	45.11	-23.09	68.2	52.93	38.46	14.59	60.87	-	-	P	V
		11565	48.03	-25.97	74	55.14	38.67	15.16	60.94	-	-	P	V
		11565	39.65	-14.35	54	46.76	38.67	15.16	60.94	-	-	A	V
		14491	47.5	-26.5	74	53.68	40.51	16.48	63.17	-	-	P	V
		14491	41.05	-12.95	54	47.23	40.51	16.48	63.17	-	-	A	V
		15660	45.55	-28.45	74	52.56	37.82	17.07	61.9	-	-	P	V
		17989	53.14	-20.86	74	48.48	43	18.93	57.27	-	-	P	V
		17989	43.23	-10.77	54	38.57	43	18.93	57.27	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 48 5240MHz		10480	44.9	-23.3	68.2	52.78	38.42	14.61	60.91	-	-	P	H
		10784	48.14	-25.86	74	55.29	38.97	14.77	60.89	-	-	P	H
		10784	39.59	-14.41	54	46.74	38.97	14.77	60.89	-	-	A	H
		14480	48.15	-25.85	74	54.34	40.52	16.47	63.18	-	-	P	H
		14480	41.02	-12.98	54	47.21	40.52	16.47	63.18	-	-	A	H
		15720	45.03	-28.97	74	51.96	37.64	17.1	61.67	-	-	P	H
		17989	52.76	-21.24	74	48.1	43	18.93	57.27	-	-	P	H
		17989	43.24	-10.76	54	38.58	43	18.93	57.27	-	-	A	H
													H
													H
													H
													H
		10476	44.45	-23.75	68.2	52.33	38.42	14.61	60.91	-	-	P	V
		11741	48.09	-25.91	74	55.51	38.46	15.25	61.13	-	-	P	V
		11741	39.32	-14.68	54	46.74	38.46	15.25	61.13	-	-	A	V
		14491	47.76	-26.24	74	53.94	40.51	16.48	63.17	-	-	P	V
		14491	41	-13	54	47.18	40.51	16.48	63.17	-	-	A	V
		15720	45.19	-28.81	74	52.12	37.64	17.1	61.67	-	-	P	V
		17989	52.23	-21.77	74	47.57	43	18.93	57.27	-	-	P	V
		17989	43.14	-10.86	54	38.48	43	18.93	57.27	-	-	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 HE20 Full (Band Edge @ 3m)

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)
		5037.96	49.25	-24.75	74	43.46	32.85	9.88	36.94	351	176	P	H
		5014.04	37.92	-16.08	54	32.08	32.94	9.85	36.95	351	176	A	H
	*	5180	109.19	-	-	103.19	32.84	10.03	36.87	351	176	P	H
	*	5180	98.57	-	-	92.57	32.84	10.03	36.87	351	176	A	H
802.11ax													H
HE20 Full													H
CH 36		5100.36	49.61	-24.39	74	43.47	33.1	9.95	36.91	286	193	P	V
5180MHz		5090.74	38.42	-15.58	54	32.35	33.04	9.94	36.91	286	193	A	V
	*	5180	111.31	-	-	105.31	32.84	10.03	36.87	286	193	P	V
	*	5180	100.94	-	-	94.94	32.84	10.03	36.87	286	193	A	V
													V
													V
		5019.24	48.82	-25.18	74	42.99	32.92	9.86	36.95	385	158	P	H
		5092.04	38.04	-15.96	54	31.96	33.05	9.94	36.91	385	158	A	H
	*	5220	109.76	-	-	103.7	32.84	10.07	36.85	385	158	P	H
	*	5220	99.13	-	-	93.07	32.84	10.07	36.85	385	158	A	H
802.11ax		5460	48.57	-25.43	74	42.32	32.72	10.26	36.73	385	158	P	H
HE20 Full		5359.76	38.36	-15.64	54	32.26	32.7	10.18	36.78	385	158	A	H
CH 44		5057.46	49.8	-24.2	74	43.99	32.84	9.9	36.93	277	190	P	V
5220MHz		5105.04	38.59	-15.41	54	32.47	33.08	9.95	36.91	277	190	A	V
	*	5220	110.93	-	-	104.87	32.84	10.07	36.85	277	190	P	V
	*	5220	100.25	-	-	94.19	32.84	10.07	36.85	277	190	A	V
		5436.2	49.25	-24.75	74	43.05	32.7	10.24	36.74	277	190	P	V
		5396.16	38.55	-15.45	54	32.4	32.7	10.21	36.76	277	190	A	V

802.11ax HE20 Full CH 48 5240MHz		5082.16	49.49	-24.51	74	43.49	32.99	9.93	36.92	379	157	P	H
		5091.26	38.03	-15.97	54	31.95	33.05	9.94	36.91	379	157	A	H
	*	5236	110.42	-	-	104.31	32.87	10.08	36.84	379	157	P	H
	*	5236	99.18	-	-	93.07	32.87	10.08	36.84	379	157	A	H
		5458.04	49.27	-24.73	74	43.02	32.72	10.26	36.73	379	157	P	H
		5387.48	38.3	-15.7	54	32.17	32.7	10.2	36.77	379	157	A	H
		5115.7	50.34	-23.66	74	44.24	33.04	9.96	36.9	298	191	P	V
		5079.04	38.82	-15.18	54	32.85	32.97	9.92	36.92	298	191	A	V
	*	5240	111.74	-	-	105.62	32.88	10.08	36.84	298	191	P	V
	*	5240	100.45	-	-	94.33	32.88	10.08	36.84	298	191	A	V
		5444.6	49.14	-24.86	74	42.93	32.7	10.25	36.74	298	191	P	V
		5412.96	38.62	-15.38	54	32.45	32.7	10.22	36.75	298	191	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10355	45.03	-23.17	68.2	52.81	38.46	14.55	60.79	-	-	P	H
		10949	48.57	-25.43	74	55.94	38.65	14.85	60.87	-	-	P	H
		10949	39.34	-14.66	54	46.71	38.65	14.85	60.87	-	-	A	H
		14480	49.18	-24.82	74	55.37	40.52	16.47	63.18	-	-	P	H
		14480	41.03	-12.97	54	47.22	40.52	16.47	63.18	-	-	A	H
		15540	46.76	-27.24	74	53.99	38.12	17.01	62.36	-	-	P	H
		17989	52.16	-21.84	74	47.5	43	18.93	57.27	-	-	P	H
		17989	43.35	-10.65	54	38.69	43	18.93	57.27	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	44.56	-23.64	68.2	52.35	38.46	14.55	60.8	-	-	P	V
5180MHz		11873	48.58	-25.42	74	55.98	38.55	15.32	61.27	-	-	P	V
		11873	39.38	-14.62	54	46.78	38.55	15.32	61.27	-	-	A	V
		14491	47.77	-26.23	74	53.95	40.51	16.48	63.17	-	-	P	V
		14491	40.98	-13.02	54	47.16	40.51	16.48	63.17	-	-	A	V
		15540	45.93	-28.07	74	53.16	38.12	17.01	62.36	-	-	P	V
		18000	52.69	-21.31	74	47.89	43.1	18.94	57.24	-	-	P	V
		18000	43.27	-10.73	54	38.47	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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	44.87	-23.33	68.2	52.69	38.46	14.59	60.87	-	-	P	H
		10817	48.53	-25.47	74	55.69	38.95	14.78	60.89	-	-	P	H
		10817	39.53	-14.47	54	46.69	38.95	14.78	60.89	-	-	A	H
		14480	47.92	-26.08	74	54.11	40.52	16.47	63.18	-	-	P	H
		14480	40.98	-13.02	54	47.17	40.52	16.47	63.18	-	-	A	H
		15660	45.3	-28.7	74	52.31	37.82	17.07	61.9	-	-	P	H
		17989	53.09	-20.91	74	48.43	43	18.93	57.27	-	-	P	H
		17989	43.11	-10.89	54	38.45	43	18.93	57.27	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	45	-23.2	68.2	52.82	38.46	14.59	60.87	-	-	P	V
5220MHz		10861	48.36	-25.64	74	55.62	38.82	14.8	60.88	-	-	P	V
		10861	39.6	-14.4	54	46.86	38.82	14.8	60.88	-	-	A	V
		14480	48	-26	74	54.19	40.52	16.47	63.18	-	-	P	V
		14480	40.8	-13.2	54	46.99	40.52	16.47	63.18	-	-	A	V
		15660	44.77	-29.23	74	51.78	37.82	17.07	61.9	-	-	P	V
		18000	52.66	-21.34	74	47.86	43.1	18.94	57.24	-	-	P	V
		18000	43.04	-10.96	54	38.24	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over 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 HE20 Full CH 48 5240MHz		10480	44.82	-23.38	68.2	52.7	38.42	14.61	60.91	-	-	P	H
		10850	48.54	-25.46	74	55.77	38.85	14.8	60.88	-	-	P	H
		10850	39.56	-14.44	54	46.79	38.85	14.8	60.88	-	-	A	H
		14491	47.97	-26.03	74	54.15	40.51	16.48	63.17	-	-	P	H
		14491	40.97	-13.03	54	47.15	40.51	16.48	63.17	-	-	A	H
		15720	44.81	-29.19	74	51.74	37.64	17.1	61.67	-	-	P	H
		18000	52.22	-21.78	74	47.42	43.1	18.94	57.24	-	-	P	H
		18000	43.26	-10.74	54	38.46	43.1	18.94	57.24	-	-	A	H
													H
													H
													H
													H
		10480	44.94	-23.26	68.2	52.82	38.42	14.61	60.91	-	-	P	V
		10905	48.2	-25.8	74	55.55	38.69	14.83	60.87	-	-	P	V
		10905	39.23	-14.77	54	46.58	38.69	14.83	60.87	-	-	A	V
		14480	47.95	-26.05	74	54.14	40.52	16.47	63.18	-	-	P	V
		14480	41.09	-12.91	54	47.28	40.52	16.47	63.18	-	-	A	V
		15720	45.47	-28.53	74	52.4	37.64	17.1	61.67	-	-	P	V
		17989	52.9	-21.1	74	48.24	43	18.93	57.27	-	-	P	V
		17989	43.35	-10.65	54	38.69	43	18.93	57.27	-	-	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 HE40 Full CH 38 5190MHz		5036.4	49.53	-24.47	74	43.74	32.85	9.88	36.94	351	174	P	H
		5150	38.17	-15.83	54	32.15	32.9	10	36.88	351	174	A	H
	*	5190	104.7	-	-	98.7	32.82	10.04	36.86	351	174	P	H
	*	5190	95.32	-	-	89.32	32.82	10.04	36.86	351	174	A	H
		5439.84	49.83	-24.17	74	43.63	32.7	10.24	36.74	351	174	P	H
		5422.48	38.03	-15.97	54	31.85	32.7	10.23	36.75	351	174	A	H
		5089.44	50.43	-23.57	74	44.38	33.04	9.93	36.92	286	193	P	V
		5144.82	38.76	-15.24	54	32.74	32.92	9.99	36.89	286	193	A	V
	*	5190	107.48	-	-	101.48	32.82	10.04	36.86	286	193	P	V
	*	5190	97.79	-	-	91.79	32.82	10.04	36.86	286	193	A	V
		5452.72	49.2	-24.8	74	42.97	32.71	10.25	36.73	286	193	P	V
		5372.08	38.66	-15.34	54	32.54	32.7	10.19	36.77	286	193	A	V
802.11ax HE40 Full CH 46 5230MHz		5056.68	49.18	-24.82	74	43.37	32.84	9.9	36.93	365	158	P	H
		5080.08	38.09	-15.91	54	32.11	32.98	9.92	36.92	365	158	A	H
	*	5230	105.75	-	-	99.66	32.86	10.07	36.84	365	158	P	H
	*	5230	95.62	-	-	89.53	32.86	10.07	36.84	365	158	A	H
		5350.8	49.04	-24.96	74	42.95	32.7	10.17	36.78	365	158	P	H
		5404	38.19	-15.81	54	32.04	32.7	10.21	36.76	365	158	A	H
		5055.9	49.14	-24.86	74	43.33	32.84	9.9	36.93	300	190	P	V
		5080.08	38.83	-15.17	54	32.85	32.98	9.92	36.92	300	190	A	V
	*	5230	108.49	-	-	102.4	32.86	10.07	36.84	300	190	P	V
	*	5230	98.17	-	-	92.08	32.86	10.07	36.84	300	190	A	V
		5380.2	49.36	-24.64	74	43.24	32.7	10.19	36.77	300	190	P	V
		5411.84	38.76	-15.24	54	32.59	32.7	10.22	36.75	300	190	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10380	45.42	-22.78	68.2	53.2	38.48	14.56	60.82	-	-	P	H
		10784	49.58	-24.42	74	56.73	38.97	14.77	60.89	-	-	P	H
		10784	39.55	-14.45	54	46.7	38.97	14.77	60.89	-	-	A	H
		14491	49.44	-24.56	74	55.62	40.51	16.48	63.17	-	-	P	H
		14491	39.43	-14.57	54	45.61	40.51	16.48	63.17	-	-	A	H
		15570	46.31	-27.69	74	53.46	38.06	17.03	62.24	-	-	P	H
		17967	53.16	-20.84	74	48.77	42.8	18.91	57.32	-	-	P	H
		17967	43.12	-10.88	54	38.73	42.8	18.91	57.32	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	45.96	-22.24	68.2	53.74	38.48	14.56	60.82	-	-	P	V
5190MHz		10883	49.31	-24.69	74	56.62	38.75	14.82	60.88	-	-	P	V
		10883	39.32	-14.68	54	46.63	38.75	14.82	60.88	-	-	A	V
		14480	49.29	-24.71	74	55.48	40.52	16.47	63.18	-	-	P	V
		14480	39.27	-14.73	54	45.46	40.52	16.47	63.18	-	-	A	V
		15570	45.97	-28.03	74	53.12	38.06	17.03	62.24	-	-	P	V
		17989	53.6	-20.4	74	48.94	43	18.93	57.27	-	-	P	V
		17989	43.58	-10.42	54	38.92	43	18.93	57.27	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over 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 HE40 Full CH 46 5230MHz		10460	45.72	-22.48	68.2	53.57	38.44	14.6	60.89	-	-	P	H
		10784	49.12	-24.88	74	56.27	38.97	14.77	60.89	-	-	P	H
		10784	39.1	-14.9	54	46.25	38.97	14.77	60.89	-	-	A	H
		14491	49.77	-24.23	74	55.95	40.51	16.48	63.17	-	-	P	H
		14491	39.75	-14.25	54	45.93	40.51	16.48	63.17	-	-	A	H
		15690	46.05	-27.95	74	53.02	37.73	17.09	61.79	-	-	P	H
		17989	52.99	-21.01	74	48.33	43	18.93	57.27	-	-	P	H
		17989	42.99	-11.01	54	38.33	43	18.93	57.27	-	-	A	H
													H
													H
													H
													H
		10460	45.41	-22.79	68.2	53.26	38.44	14.6	60.89	-	-	P	V
		10883	49.22	-24.78	74	56.53	38.75	14.82	60.88	-	-	P	V
		10883	39.21	-14.79	54	46.52	38.75	14.82	60.88	-	-	A	V
		14470	50.07	-23.93	74	56.25	40.53	16.47	63.18	-	-	P	V
		14470	40.03	-13.97	54	46.21	40.53	16.47	63.18	-	-	A	V
		15690	46.42	-27.58	74	53.39	37.73	17.09	61.79	-	-	P	V
		17989	53.59	-20.41	74	48.93	43	18.93	57.27	-	-	P	V
		17989	43.58	-10.42	54	38.92	43	18.93	57.27	-	-	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	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)
802.11ax HE80 Full CH 42 5210MHz		5147.16	52.47	-21.53	74	46.46	32.91	9.99	36.89	383	156	P	H
		5146.64	41.27	-12.73	54	35.26	32.91	9.99	36.89	383	156	A	H
	*	5210	101.62	-	-	95.59	32.82	10.06	36.85	383	156	P	H
	*	5210	91.97	-	-	85.94	32.82	10.06	36.85	383	156	A	H
		5377.68	48.76	-25.24	74	42.64	32.7	10.19	36.77	383	156	P	H
		5358.36	38.07	-15.93	54	31.97	32.7	10.18	36.78	383	156	A	H
		5143.78	55.83	-18.17	74	49.81	32.92	9.99	36.89	302	191	P	V
		5144.04	44.22	-9.78	54	38.2	32.92	9.99	36.89	302	191	A	V
	*	5210	103.4	-	-	97.37	32.82	10.06	36.85	302	191	P	V
	*	5210	93.54	-	-	87.51	32.82	10.06	36.85	302	191	A	V
		5425.56	49.02	-24.98	74	42.84	32.7	10.23	36.75	302	191	P	V
		5412.12	38.22	-15.78	54	32.05	32.7	10.22	36.75	302	191	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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		10420	45.86	-22.34	68.2	53.65	38.48	14.58	60.85	-	-	P	H
		10828	49.63	-24.37	74	56.8	38.92	14.79	60.88	-	-	P	H
		10828	39.65	-14.35	54	46.82	38.92	14.79	60.88	-	-	A	H
		14500	49.43	-24.57	74	55.62	40.5	16.48	63.17	-	-	P	H
		14500	39.47	-14.53	54	45.66	40.5	16.48	63.17	-	-	A	H
		15630	45.97	-28.03	74	53.02	37.91	17.06	62.02	-	-	P	H
		18000	54.16	-19.84	74	49.36	43.1	18.94	57.24	-	-	P	H
		18000	44.13	-9.87	54	39.33	43.1	18.94	57.24	-	-	A	H
													H
													H
													H
													H
		10420	45.3	-22.9	68.2	53.09	38.48	14.58	60.85	-	-	P	V
		10872	49.34	-24.66	74	56.63	38.78	14.81	60.88	-	-	P	V
		10872	39.33	-14.67	54	46.62	38.78	14.81	60.88	-	-	A	V
		14491	49.69	-24.31	74	55.87	40.51	16.48	63.17	-	-	P	V
		14491	39.67	-14.33	54	45.85	40.51	16.48	63.17	-	-	A	V
		15630	46.73	-27.27	74	53.78	37.91	17.06	62.02	-	-	P	V
		18000	53.83	-20.17	74	49.03	43.1	18.94	57.24	-	-	P	V
		18000	43.82	-10.18	54	39.02	43.1	18.94	57.24	-	-	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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		5127.38	51.69	-22.31	74	45.63	32.99	9.97	36.9	379	156	P	H
		5146.85	40.89	-13.11	54	34.88	32.91	9.99	36.89	379	156	A	H
	*	5250	98.87	-	-	92.71	32.9	10.09	36.83	379	156	P	H
	*	5250	89.43	-	-	83.27	32.9	10.09	36.83	379	156	A	H
		5357.34	54.78	-19.22	74	48.68	32.7	10.18	36.78	379	156	P	H
		5367.78	44.98	-9.02	54	38.88	32.7	10.18	36.78	379	156	A	H
		5142.89	55.38	-18.62	74	49.35	32.93	9.99	36.89	301	191	P	V
		5134.31	43.49	-10.51	54	37.44	32.96	9.98	36.89	301	191	A	V
	*	5250	100.23	-	-	94.07	32.9	10.09	36.83	301	191	P	V
	*	5250	90.64	-	-	84.48	32.9	10.09	36.83	301	191	A	V
		5355.89	56.09	-17.91	74	50	32.7	10.17	36.78	301	191	P	V
		5355.02	46.39	-7.61	54	40.3	32.7	10.17	36.78	301	191	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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		10500	44.99	-23.21	68.2	52.9	38.4	14.62	60.93	-	-	P	H
		10806	50.25	-23.75	74	57.38	38.98	14.78	60.89	-	-	P	H
		10806	40.19	-13.81	54	47.32	38.98	14.78	60.89	-	-	A	H
		14480	49.34	-24.66	74	55.53	40.52	16.47	63.18	-	-	P	H
		14480	39.33	-14.67	54	45.52	40.52	16.47	63.18	-	-	A	H
		15750	45.87	-28.13	74	52.76	37.55	17.12	61.56	-	-	P	H
		17890	53.54	-20.46	74	50.12	42.06	18.85	57.49	-	-	P	H
		17890	43.51	-10.49	54	40.09	42.06	18.85	57.49	-	-	A	H
													H
													H
													H
													H
		10500	45.11	-23.09	68.2	53.02	38.4	14.62	60.93	-	-	P	V
		10784	49.47	-24.53	74	56.62	38.97	14.77	60.89	-	-	P	V
		10784	39.46	-14.54	54	46.61	38.97	14.77	60.89	-	-	A	V
		14470	49.77	-24.23	74	55.95	40.53	16.47	63.18	-	-	P	V
		14470	39.73	-14.27	54	45.91	40.53	16.47	63.18	-	-	A	V
		15750	45.3	-28.7	74	52.19	37.55	17.12	61.56	-	-	P	V
		18000	53.43	-20.57	74	48.63	43.1	18.94	57.24	-	-	P	V
		18000	43.41	-10.59	54	38.61	43.1	18.94	57.24	-	-	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 Partial 1992 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 Partial 1992/68 CH 50 5250MHz		5124.02	56.21	-17.79	74	50.14	33	9.97	36.9	400	198	P	H
		5128.18	39.36	-14.64	54	33.3	32.99	9.97	36.9	400	198	A	H
	*	5250	91.38	-	-	85.22	32.9	10.09	36.83	400	198	P	H
	*	5250	80.91	-	-	74.75	32.9	10.09	36.83	400	198	A	H
		5400.08	58.29	-15.71	74	52.14	32.7	10.21	36.76	400	198	P	H
		5399.24	41.39	-12.61	54	35.24	32.7	10.21	36.76	400	198	A	H
		5132.08	56.2	-17.8	74	50.14	32.97	9.98	36.89	250	195	P	V
		5143.78	39.24	-14.76	54	33.22	32.92	9.99	36.89	250	195	A	V
	*	5250	87.62	-	-	81.46	32.9	10.09	36.83	250	195	P	V
	*	5250	77.98	-	-	71.82	32.9	10.09	36.83	250	195	A	V
		5397.84	58.93	-15.07	74	52.78	32.7	10.21	36.76	250	195	P	V
		5397.28	40.42	-13.58	54	34.27	32.7	10.21	36.76	250	195	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 Partial 1992 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 Partial 1992/68 CH 50 5250MHz		10500	45.19	-23.01	68.2	53.1	38.4	14.62	60.93	-	-	P	H
		10883	49.67	-24.33	74	56.98	38.75	14.82	60.88	-	-	P	H
		10883	39.66	-14.34	54	46.97	38.75	14.82	60.88	-	-	A	H
		14491	49.67	-24.33	74	55.85	40.51	16.48	63.17	-	-	P	H
		14491	39.65	-14.35	54	45.83	40.51	16.48	63.17	-	-	A	H
		15750	45.68	-28.32	74	52.57	37.55	17.12	61.56	-	-	P	H
		17989	53.49	-20.51	74	48.83	43	18.93	57.27	-	-	P	H
		17989	43.48	-10.52	54	38.82	43	18.93	57.27	-	-	A	H
													H
													H
													H
													H
		10500	45.01	-23.19	68.2	52.92	38.4	14.62	60.93	-	-	P	V
		10883	49.31	-24.69	74	56.62	38.75	14.82	60.88	-	-	P	V
		10883	39.3	-14.7	54	46.61	38.75	14.82	60.88	-	-	A	V
		14500	49.49	-24.51	74	55.68	40.5	16.48	63.17	-	-	P	V
		14500	39.43	-14.57	54	45.62	40.5	16.48	63.17	-	-	A	V
		15750	45.86	-28.14	74	52.75	37.55	17.12	61.56	-	-	P	V
		18000	53.56	-20.44	74	48.76	43.1	18.94	57.24	-	-	P	V
		18000	43.55	-10.45	54	38.75	43.1	18.94	57.24	-	-	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5089.42	48.78	-25.22	74	42.73	33.04	9.93	36.92	400	173	P	H
		5107.44	38.01	-15.99	54	31.9	33.07	9.95	36.91	400	173	A	H
	*	5260	107.89	-	-	101.72	32.9	10.1	36.83	400	173	P	H
	*	5260	100.04	-	-	93.87	32.9	10.1	36.83	400	173	A	H
		5425.2	48.9	-25.1	74	42.72	32.7	10.23	36.75	400	173	P	H
		5420.4	38.18	-15.82	54	32	32.7	10.23	36.75	400	173	A	H
		5110.84	49.46	-24.54	74	43.34	33.06	9.96	36.9	292	195	P	V
		5090.1	38.67	-15.33	54	32.61	33.04	9.93	36.91	292	195	A	V
	*	5260	106.62	-	-	100.45	32.9	10.1	36.83	292	195	P	V
	*	5260	99.49	-	-	93.32	32.9	10.1	36.83	292	195	A	V
		5372.88	49.2	-24.8	74	43.08	32.7	10.19	36.77	292	195	P	V
		5453.52	38.4	-15.6	54	32.16	32.71	10.26	36.73	292	195	A	V
802.11a CH 60 5300MHz		5109.48	48.6	-25.4	74	42.5	33.06	9.95	36.91	396	174	P	H
		5145.18	38.01	-15.99	54	31.99	32.92	9.99	36.89	396	174	A	H
	*	5300	108.1	-	-	101.88	32.9	10.13	36.81	396	174	P	H
	*	5300	100.2	-	-	93.98	32.9	10.13	36.81	396	174	A	H
		5428.32	49.16	-24.84	74	42.98	32.7	10.23	36.75	396	174	P	H
		5453.28	38.41	-15.59	54	32.17	32.71	10.26	36.73	396	174	A	H
		5105.4	49.58	-24.42	74	43.46	33.08	9.95	36.91	318	193	P	V
		5119	38.99	-15.01	54	32.91	33.02	9.96	36.9	318	193	A	V
	*	5300	107.42	-	-	101.2	32.9	10.13	36.81	318	193	P	V
	*	5300	99.56	-	-	93.34	32.9	10.13	36.81	318	193	A	V
		5458.56	49.57	-24.43	74	43.32	32.72	10.26	36.73	318	193	P	V
		5455.2	38.54	-15.46	54	32.3	32.71	10.26	36.73	318	193	A	V

802.11a CH 64 5320MHz	*	5320	105.41	-	-	99.24	32.82	10.15	36.8	400	115	P	H
	*	5320	98.04	-	-	91.87	32.82	10.15	36.8	400	115	A	H
		5456.96	50.02	-23.98	74	43.78	32.71	10.26	36.73	400	115	P	H
		5460	38.36	-15.64	54	32.11	32.72	10.26	36.73	400	115	A	H
													H
													H
	*	5320	107.57	-	-	101.4	32.82	10.15	36.8	100	227	P	V
	*	5320	99.67	-	-	93.5	32.82	10.15	36.8	100	227	A	V
		5412	49.29	-24.71	74	43.12	32.7	10.22	36.75	100	227	P	V
		5459.28	38.38	-15.62	54	32.13	32.72	10.26	36.73	100	227	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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		11000	47.26	-26.74	74	54.64	38.6	14.88	60.86	-	-	P	H
		12632	48.72	-25.28	74	56.33	38.86	15.64	62.11	-	-	P	H
		12632	38.94	-15.06	54	46.55	38.86	15.64	62.11	-	-	A	H
		14480	48.88	-25.12	74	55.07	40.52	16.47	63.18	-	-	P	H
		14480	40.1	-13.9	54	46.29	40.52	16.47	63.18	-	-	A	H
		16500	47.49	-20.71	68.2	49.77	38.6	17.68	58.56	-	-	P	H
		17989	52.34	-21.66	74	47.68	43	18.93	57.27	-	-	P	H
		17989	42.56	-11.44	54	37.9	43	18.93	57.27	-	-	A	H
													H
													H
													H
													H
		11000	46.93	-27.07	74	54.31	38.6	14.88	60.86	-	-	P	V
		12610	48.72	-25.28	74	56.41	38.82	15.64	62.15	-	-	P	V
		12610	38.74	-15.26	54	46.43	38.82	15.64	62.15	-	-	A	V
		14480	48.77	-25.23	74	54.96	40.52	16.47	63.18	-	-	P	V
		14480	39.99	-14.01	54	46.18	40.52	16.47	63.18	-	-	A	V
		16500	47.72	-20.48	68.2	50	38.6	17.68	58.56	-	-	P	V
		17989	52.59	-21.41	74	47.93	43	18.93	57.27	-	-	P	V
		17989	42.81	-11.19	54	38.15	43	18.93	57.27	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over 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)
i802.11a CH 60 5300MHz		10600	46.18	-27.82	74	53.63	38.8	14.67	60.92	-	-	P	H
		10883	48.46	-25.54	74	55.77	38.75	14.82	60.88	-	-	P	H
		10883	38.68	-15.32	54	45.99	38.75	14.82	60.88	-	-	A	H
		14480	49.46	-24.54	74	55.65	40.52	16.47	63.18	-	-	P	H
		14480	40.68	-13.32	54	46.87	40.52	16.47	63.18	-	-	A	H
		15900	44.79	-29.21	74	50.99	37.6	17.19	60.99	-	-	P	H
		17989	52.8	-21.2	74	48.14	43	18.93	57.27	-	-	P	H
		17989	43.02	-10.98	54	38.36	43	18.93	57.27	-	-	A	H
													H
													H
													H
													H
		10600	46.27	-27.73	74	53.72	38.8	14.67	60.92	-	-	P	V
		12643	48.39	-25.61	74	55.94	38.89	15.65	62.09	-	-	P	V
		12643	38.61	-15.39	54	46.16	38.89	15.65	62.09	-	-	A	V
		14480	48.85	-25.15	74	55.04	40.52	16.47	63.18	-	-	P	V
		14480	40.07	-13.93	54	46.26	40.52	16.47	63.18	-	-	A	V
		15900	44.35	-29.65	74	50.55	37.6	17.19	60.99	-	-	P	V
		18000	52.25	-21.75	74	47.45	43.1	18.94	57.24	-	-	P	V
		18000	42.47	-11.53	54	37.67	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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	46.63	-27.37	74	54.05	38.8	14.69	60.91	-	-	P	H
		10916	48.4	-25.6	74	55.76	38.68	14.83	60.87	-	-	P	H
		10916	38.62	-15.38	54	45.98	38.68	14.83	60.87	-	-	A	H
		14491	48.71	-25.29	74	54.89	40.51	16.48	63.17	-	-	P	H
		14491	40.03	-13.97	54	46.21	40.51	16.48	63.17	-	-	A	H
		15960	44.62	-29.38	74	50.49	37.66	17.23	60.76	-	-	P	H
		18000	52.51	-21.49	74	47.71	43.1	18.94	57.24	-	-	P	H
		18000	42.73	-11.27	54	37.93	43.1	18.94	57.24	-	-	A	H
													H
													H
													H
													H
		10640	46.55	-27.45	74	53.97	38.8	14.69	60.91	-	-	P	V
		11741	48.41	-25.59	74	55.83	38.46	15.25	61.13	-	-	P	V
		11741	38.63	-15.37	54	46.05	38.46	15.25	61.13	-	-	A	V
		14480	48.85	-25.15	74	55.04	40.52	16.47	63.18	-	-	P	V
		14480	40.07	-13.93	54	46.26	40.52	16.47	63.18	-	-	A	V
		15960	45.23	-28.77	74	51.1	37.66	17.23	60.76	-	-	P	V
		18000	52.32	-21.68	74	47.52	43.1	18.94	57.24	-	-	P	V
		18000	42.54	-11.46	54	37.74	43.1	18.94	57.24	-	-	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 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 HE20 Full CH 52 5260MHz		5103.36	49.47	-24.53	74	43.34	33.09	9.95	36.91	400	175	P	H
		5105.4	38.2	-15.8	54	32.08	33.08	9.95	36.91	400	175	A	H
	*	5260	110.53	-	-	104.36	32.9	10.1	36.83	400	175	P	H
	*	5260	99.89	-	-	93.72	32.9	10.1	36.83	400	175	A	H
		5406	49.47	-24.53	74	43.31	32.7	10.22	36.76	400	175	P	H
		5425.44	38.46	-15.54	54	32.28	32.7	10.23	36.75	400	175	A	H
		5081.94	49.37	-24.63	74	43.37	32.99	9.93	36.92	100	223	P	V
		5080.24	38.48	-15.52	54	32.5	32.98	9.92	36.92	100	223	A	V
	*	5260	110.5	-	-	104.33	32.9	10.1	36.83	100	223	P	V
	*	5260	99.61	-	-	93.44	32.9	10.1	36.83	100	223	A	V
		5422.8	48.75	-25.25	74	42.57	32.7	10.23	36.75	100	223	P	V
		5454	38.32	-15.68	54	32.08	32.71	10.26	36.73	100	223	A	V
802.11ax HE20 Full CH 60 5300MHz		5040.46	48.46	-25.54	74	42.68	32.84	9.88	36.94	395	174	P	H
		5149.6	38.03	-15.97	54	32.02	32.9	10	36.89	395	174	A	H
	*	5300	110.01	-	-	103.79	32.9	10.13	36.81	395	174	P	H
	*	5300	99.52	-	-	93.3	32.9	10.13	36.81	395	174	A	H
		5454.96	49.23	-24.77	74	42.99	32.71	10.26	36.73	395	174	P	H
		5454	38.51	-15.49	54	32.27	32.71	10.26	36.73	395	174	A	H
		5127.16	49.52	-24.48	74	43.46	32.99	9.97	36.9	100	227	P	V
		5104.72	38.46	-15.54	54	32.34	33.08	9.95	36.91	100	227	A	V
	*	5300	110.67	-	-	104.45	32.9	10.13	36.81	100	227	P	V
	*	5300	100.36	-	-	94.14	32.9	10.13	36.81	100	227	A	V
		5391.84	49.98	-24.02	74	43.84	32.7	10.2	36.76	100	227	P	V
		5456.16	38.6	-15.4	54	32.36	32.71	10.26	36.73	100	227	A	V

	*	5320	107.65	-	-	101.48	32.82	10.15	36.8	400	114	P	H
	*	5320	97.4	-	-	91.23	32.82	10.15	36.8	400	114	A	H
		5431.36	48.52	-25.48	74	42.32	32.7	10.24	36.74	400	114	P	H
		5459.84	38.5	-15.5	54	32.25	32.72	10.26	36.73	400	114	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	108.28	-	-	102.11	32.82	10.15	36.8	100	144	P	V
5320MHz	*	5320	98.5	-	-	92.33	32.82	10.15	36.8	100	144	A	V
		5447.84	49.63	-24.37	74	43.42	32.7	10.25	36.74	100	144	P	V
		5458.56	38.68	-15.32	54	32.43	32.72	10.26	36.73	100	144	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10520	45.29	-22.91	68.2	53.11	38.48	14.63	60.93	-	-	P	H
		10773	49.85	-24.15	74	57.03	38.95	14.76	60.89	-	-	P	H
		10773	39.87	-14.13	54	47.05	38.95	14.76	60.89	-	-	A	H
		14491	49.49	-24.51	74	55.67	40.51	16.48	63.17	-	-	P	H
		14491	39.43	-14.57	54	45.61	40.51	16.48	63.17	-	-	A	H
		15780	45.81	-28.19	74	52.66	37.46	17.14	61.45	-	-	P	H
		17989	53.3	-20.7	74	48.64	43	18.93	57.27	-	-	P	H
		17989	43.29	-10.71	54	38.63	43	18.93	57.27	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	46.24	-21.96	68.2	54.06	38.48	14.63	60.93	-	-	P	V
5260MHz		10806	49.69	-24.31	74	56.82	38.98	14.78	60.89	-	-	P	V
		10806	39.68	-14.32	54	46.81	38.98	14.78	60.89	-	-	A	V
		14491	50.03	-23.97	74	56.21	40.51	16.48	63.17	-	-	P	V
		14491	40.01	-13.99	54	46.19	40.51	16.48	63.17	-	-	A	V
		15780	45.57	-28.43	74	52.42	37.46	17.14	61.45	-	-	P	V
		17989	53.4	-20.6	74	48.74	43	18.93	57.27	-	-	P	V
		17989	43.39	-10.61	54	38.73	43	18.93	57.27	-	-	A	V
													V
													V
													V
													V

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)
		10600	45.97	-28.03	74	53.42	38.8	14.67	60.92	-	-	P	H
		10795	49.45	-24.55	74	56.58	38.99	14.77	60.89	-	-	P	H
		10795	39.41	-14.59	54	46.54	38.99	14.77	60.89	-	-	A	H
		14480	49.44	-24.56	74	55.63	40.52	16.47	63.18	-	-	P	H
		14480	39.43	-14.57	54	45.62	40.52	16.47	63.18	-	-	A	H
		15900	44.95	-29.05	74	51.15	37.6	17.19	60.99	-	-	P	H
		18000	53.44	-20.56	74	48.64	43.1	18.94	57.24	-	-	P	H
		18000	43.43	-10.57	54	38.63	43.1	18.94	57.24	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	47.04	-26.96	74	54.49	38.8	14.67	60.92	-	-	P	V
5300MHz		10817	49.41	-24.59	74	56.57	38.95	14.78	60.89	-	-	P	V
		10817	39.37	-14.63	54	46.53	38.95	14.78	60.89	-	-	A	V
		14491	50.13	-23.87	74	56.31	40.51	16.48	63.17	-	-	P	V
		14491	40.14	-13.86	54	46.32	40.51	16.48	63.17	-	-	A	V
		15900	45.01	-28.99	74	51.21	37.6	17.19	60.99	-	-	P	V
		18000	53.36	-20.64	74	48.56	43.1	18.94	57.24	-	-	P	V
		18000	43.34	-10.66	54	38.54	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over 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 HE20 Full CH 64 5320MHz		10640	46.8	-27.2	74	54.22	38.8	14.69	60.91	-	-	P	H
		10663	49.42	-24.58	74	56.83	38.8	14.7	60.91	-	-	P	H
		10663	39.42	-14.58	54	46.83	38.8	14.7	60.91	-	-	A	H
		14470	49.64	-24.36	74	55.82	40.53	16.47	63.18	-	-	P	H
		14470	39.64	-14.36	54	45.82	40.53	16.47	63.18	-	-	A	H
		15960	45.2	-28.8	74	51.07	37.66	17.23	60.76	-	-	P	H
		17923	53.21	-20.79	74	49.34	42.41	18.88	57.42	-	-	P	H
		17923	43.17	-10.83	54	39.3	42.41	18.88	57.42	-	-	A	H
													H
													H
													H
													H
		10640	46.59	-27.41	74	54.01	38.8	14.69	60.91	-	-	P	V
		10762	49.27	-24.73	74	56.49	38.92	14.75	60.89	-	-	P	V
		10762	39.21	-14.79	54	46.43	38.92	14.75	60.89	-	-	A	V
		14480	49.57	-24.43	74	55.76	40.52	16.47	63.18	-	-	P	V
		14480	39.56	-14.44	54	45.75	40.52	16.47	63.18	-	-	A	V
		15960	45.58	-28.42	74	51.45	37.66	17.23	60.76	-	-	P	V
		17989	53.8	-20.2	74	49.14	43	18.93	57.27	-	-	P	V
		17989	43.89	-10.11	54	39.23	43	18.93	57.27	-	-	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 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 HE40 Full CH 54 5270MHz		5146.88	48.14	-25.86	74	42.13	32.91	9.99	36.89	400	172	P	H
		5105.4	37.56	-16.44	54	31.44	33.08	9.95	36.91	400	172	A	H
	*	5270	105.93	-	-	99.75	32.9	10.11	36.83	400	172	P	H
	*	5270	95.25	-	-	89.07	32.9	10.11	36.83	400	172	A	H
		5423.52	48.43	-25.57	74	42.25	32.7	10.23	36.75	400	172	P	H
		5412.24	37.65	-16.35	54	31.48	32.7	10.22	36.75	400	172	A	H
		5039.78	48.28	-25.72	74	42.5	32.84	9.88	36.94	100	225	P	V
		5104.38	38.09	-15.91	54	31.97	33.08	9.95	36.91	100	225	A	V
	*	5270	105.75	-	-	99.57	32.9	10.11	36.83	100	225	P	V
	*	5270	96.16	-	-	89.98	32.9	10.11	36.83	100	225	A	V
		5376.24	48.3	-25.7	74	42.18	32.7	10.19	36.77	100	225	P	V
		5453.04	37.71	-16.29	54	31.47	32.71	10.26	36.73	100	225	A	V
802.11ax HE40 Full CH 62 5310MHz		5094.86	47.49	-26.51	74	41.39	33.07	9.94	36.91	392	173	P	H
		5146.2	37.41	-16.59	54	31.39	32.92	9.99	36.89	392	173	A	H
	*	5310	105.79	-	-	99.6	32.86	10.14	36.81	392	173	P	H
	*	5310	95.95	-	-	89.76	32.86	10.14	36.81	392	173	A	H
		5352.72	48.85	-25.15	74	42.76	32.7	10.17	36.78	392	173	P	H
		5354.64	39.26	-14.74	54	33.17	32.7	10.17	36.78	392	173	A	H
		5104.72	48.4	-25.6	74	42.28	33.08	9.95	36.91	100	228	P	V
		5106.42	37.95	-16.05	54	31.84	33.07	9.95	36.91	100	228	A	V
	*	5310	97.48	-	-	91.29	32.86	10.14	36.81	100	228	P	V
	*	5310	108.54	-	-	102.35	32.86	10.14	36.81	100	228	P	V
		5352.72	51.81	-22.19	74	45.72	32.7	10.17	36.78	100	228	P	V
		5350.08	39.89	-14.11	54	33.8	32.7	10.17	36.78	100	228	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10540	44.92	-23.28	68.2	52.64	38.56	14.64	60.92	-	-	P	H
		10806	49.19	-24.81	74	56.32	38.98	14.78	60.89	-	-	P	H
		10806	39.18	-14.82	54	46.31	38.98	14.78	60.89	-	-	A	H
		14470	49.29	-24.71	74	55.47	40.53	16.47	63.18	-	-	P	H
		14470	39.24	-14.76	54	45.42	40.53	16.47	63.18	-	-	A	H
		15810	45.14	-28.86	74	51.9	37.42	17.15	61.33	-	-	P	H
		17989	53.23	-20.77	74	48.57	43	18.93	57.27	-	-	P	H
		17989	43.19	-10.81	54	38.53	43	18.93	57.27	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	44.75	-23.45	68.2	52.47	38.56	14.64	60.92	-	-	P	V
5270MHz		10817	49.38	-24.62	74	56.54	38.95	14.78	60.89	-	-	P	V
		10817	39.37	-14.63	54	46.53	38.95	14.78	60.89	-	-	A	V
		14470	49.44	-24.56	74	55.62	40.53	16.47	63.18	-	-	P	V
		14470	39.44	-14.56	54	45.62	40.53	16.47	63.18	-	-	A	V
		15810	45.1	-28.9	74	51.86	37.42	17.15	61.33	-	-	P	V
		18000	53.62	-20.38	74	48.82	43.1	18.94	57.24	-	-	P	V
		18000	43.61	-10.39	54	38.81	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over 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 HE40 Full CH 62 5310MHz		10620	46.4	-27.6	74	53.83	38.8	14.68	60.91	-	-	P	H
		10916	49.56	-24.44	74	56.92	38.68	14.83	60.87	-	-	P	H
		10916	39.57	-14.43	54	46.93	38.68	14.83	60.87	-	-	A	H
		14470	50.24	-23.76	74	56.42	40.53	16.47	63.18	-	-	P	H
		14470	40.24	-13.76	54	46.42	40.53	16.47	63.18	-	-	A	H
		15930	45.19	-28.81	74	51.22	37.63	17.22	60.88	-	-	P	H
		17989	54.4	-19.6	74	49.74	43	18.93	57.27	-	-	P	H
		17989	44.39	-9.61	54	39.73	43	18.93	57.27	-	-	A	H
													H
													H
													H
													H
		10620	46.72	-27.28	74	54.15	38.8	14.68	60.91	-	-	P	V
		10894	49.58	-24.42	74	56.91	38.72	14.82	60.87	-	-	P	V
		10894	39.59	-14.41	54	46.92	38.72	14.82	60.87	-	-	A	V
		14491	49.73	-24.27	74	55.91	40.51	16.48	63.17	-	-	P	V
		14491	38.81	-15.19	54	44.99	40.51	16.48	63.17	-	-	A	V
		15930	45.08	-28.92	74	51.11	37.63	17.22	60.88	-	-	P	V
		18000	53.33	-20.67	74	48.53	43.1	18.94	57.24	-	-	P	V
		18000	43.32	-10.68	54	38.52	43.1	18.94	57.24	-	-	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 802.11ax HE80 Full (Band Edge @ 3m)

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)
802.11ax HE80 Full CH 58 5290MHz		5077.18	47.75	-26.25	74	41.79	32.96	9.92	36.92	400	173	P	H
		5107.78	37.63	-16.37	54	31.52	33.07	9.95	36.91	400	173	A	H
	*	5290	102.58	-	-	96.37	32.9	10.12	36.81	400	173	P	H
	*	5290	92.17	-	-	85.96	32.9	10.12	36.81	400	173	A	H
		5356.32	50.49	-23.51	74	44.39	32.7	10.18	36.78	400	173	P	H
		5355.36	40.52	-13.48	54	34.43	32.7	10.17	36.78	400	173	A	H
		5082.62	48.9	-25.1	74	42.89	33	9.93	36.92	100	227	P	V
		5103.02	38.01	-15.99	54	31.88	33.09	9.95	36.91	100	227	A	V
	*	5290	102.13	-	-	95.92	32.9	10.12	36.81	100	227	P	V
	*	5290	93.51	-	-	87.3	32.9	10.12	36.81	100	227	A	V
		5354.16	51.54	-22.46	74	45.45	32.7	10.17	36.78	100	227	P	V
		5354.88	41.48	-12.52	54	35.39	32.7	10.17	36.78	100	227	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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		10580	46.12	-22.08	68.2	53.66	38.72	14.66	60.92	-	-	P	H
		10916	49.46	-24.54	74	56.82	38.68	14.83	60.87	-	-	P	H
		10916	39.47	-14.53	54	46.83	38.68	14.83	60.87	-	-	A	H
		14500	49.64	-24.36	74	55.83	40.5	16.48	63.17	-	-	P	H
		14500	39.63	-14.37	54	45.82	40.5	16.48	63.17	-	-	A	H
		15870	45.51	-28.49	74	51.89	37.54	17.18	61.1	-	-	P	H
		17989	53.93	-20.07	74	49.27	43	18.93	57.27	-	-	P	H
		17989	43.89	-10.11	54	39.23	43	18.93	57.27	-	-	A	H
													H
													H
													H
													H
		10580	45.85	-22.35	68.2	53.39	38.72	14.66	60.92	-	-	P	V
		10784	49.32	-24.68	74	56.47	38.97	14.77	60.89	-	-	P	V
		10784	39.26	-14.74	54	46.41	38.97	14.77	60.89	-	-	A	V
		14470	50.13	-23.87	74	56.31	40.53	16.47	63.18	-	-	P	V
		14470	40.11	-13.89	54	46.29	40.53	16.47	63.18	-	-	A	V
		15870	45.39	-28.61	74	51.77	37.54	17.18	61.1	-	-	P	V
		17901	53.92	-20.08	74	50.33	42.21	18.85	57.47	-	-	P	V
		17901	44.05	-9.95	54	40.46	42.21	18.85	57.47	-	-	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5418.32	48.4	-25.6	74	42.22	32.7	10.23	36.75	385	190	P	H
		5465.36	48.04	-20.16	68.2	41.77	32.73	10.27	36.73	385	190	P	H
		5358.32	38.06	-15.94	54	31.96	32.7	10.18	36.78	385	190	A	H
	*	5500	106.82	-	-	100.43	32.8	10.3	36.71	385	190	P	H
	*	5500	99.25	-	-	92.86	32.8	10.3	36.71	385	190	A	H
													H
		5369.68	47.95	-26.05	74	41.84	32.7	10.19	36.78	300	191	P	V
		5464.88	47.83	-20.37	68.2	41.56	32.73	10.27	36.73	300	191	P	V
		5355.12	38.1	-15.9	54	32.01	32.7	10.17	36.78	300	191	A	V
	*	5500	106.64	-	-	100.25	32.8	10.3	36.71	300	191	P	V
	*	5500	98.43	-	-	92.04	32.8	10.3	36.71	300	191	A	V
													V
802.11a CH 116 5580MHz		5397.76	48.61	-25.39	74	42.46	32.7	10.21	36.76	393	190	P	H
		5467.84	48.54	-19.66	68.2	42.26	32.74	10.27	36.73	393	190	P	H
		5422.48	38.05	-15.95	54	31.87	32.7	10.23	36.75	393	190	A	H
	*	5580	106.87	-	-	100.36	32.92	10.36	36.77	393	190	P	H
	*	5580	99.58	-	-	93.07	32.92	10.36	36.77	393	190	A	H
		5764.685	48.91	-19.29	68.2	41.76	33.49	10.56	36.9	393	190	P	H
		5374.24	49.55	-24.45	74	43.43	32.7	10.19	36.77	302	173	P	V
		5466.88	48.4	-19.8	68.2	42.13	32.73	10.27	36.73	302	173	P	V
		5404.72	37.91	-16.09	54	31.76	32.7	10.21	36.76	302	173	A	V
	*	5580	105.88	-	-	99.37	32.92	10.36	36.77	302	173	P	V
	*	5580	98.33	-	-	91.82	32.92	10.36	36.77	302	173	A	V
		5758.385	48.72	-19.48	68.2	41.62	33.45	10.55	36.9	302	173	P	V

802.11a CH 140 5700MHz	*	5700	104.01	-	-	97.27	33.1	10.49	36.85	351	256	P	H
	*	5700	96.5	-	-	89.76	33.1	10.49	36.85	351	256	A	H
		5734.2	49.07	-19.13	68.2	42.11	33.31	10.53	36.88	351	256	P	H
													H
													H
													H
	*	5700	106.83	-	-	100.09	33.1	10.49	36.85	308	190	P	V
	*	5700	99.3	-	-	92.56	33.1	10.49	36.85	308	190	A	V
		5756.44	49.36	-18.84	68.2	42.26	33.44	10.55	36.89	308	190	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	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)
802.11a CH 100 5500MHz		10773	48.5	-25.5	74	55.68	38.95	14.76	60.89	-	-	P	H
		10773	39.79	-14.21	54	46.97	38.95	14.76	60.89	-	-	A	H
		11000	46.94	-27.06	74	54.32	38.6	14.88	60.86	-	-	P	H
		14480	47.97	-26.03	74	54.16	40.52	16.47	63.18	-	-	P	H
		14480	40.94	-13.06	54	47.13	40.52	16.47	63.18	-	-	A	H
		16500	47.59	-20.61	68.2	49.87	38.6	17.68	58.56	-	-	P	H
		17989	52.3	-21.7	74	47.64	43	18.93	57.27	-	-	P	H
		17989	42.95	-11.05	54	38.29	43	18.93	57.27	-	-	A	H
													H
													H
													H
													H
		11000	46.75	-27.25	74	54.13	38.6	14.88	60.86	-	-	P	V
		12489	47.55	-26.45	74	55.57	38.7	15.59	62.31	-	-	P	V
		12489	38.74	-15.26	54	46.76	38.7	15.59	62.31	-	-	A	V
		14480	47.53	-26.47	74	53.72	40.52	16.47	63.18	-	-	P	V
		14480	41.08	-12.92	54	47.27	40.52	16.47	63.18	-	-	A	V
		16500	47.35	-20.85	68.2	49.63	38.6	17.68	58.56	-	-	P	V
		18000	52.38	-21.62	74	47.58	43.1	18.94	57.24	-	-	P	V
		18000	43.22	-10.78	54	38.42	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

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)
802.11a CH 116 5580MHz		10773	48.21	-25.79	74	55.39	38.95	14.76	60.89	-	-	P	H
		10773	39.62	-14.38	54	46.8	38.95	14.76	60.89	-	-	A	H
		11160	45.25	-28.75	74	52.43	38.72	14.96	60.86	-	-	P	H
		14480	47.73	-26.27	74	53.92	40.52	16.47	63.18	-	-	P	H
		14480	40.72	-13.28	54	46.91	40.52	16.47	63.18	-	-	A	H
		16740	47.47	-20.73	68.2	49.98	38.24	17.88	58.63	-	-	P	H
		18000	52.19	-21.81	74	47.39	43.1	18.94	57.24	-	-	P	H
		18000	43.14	-10.86	54	38.34	43.1	18.94	57.24	-	-	A	H
													H
													H
													H
													H
		11160	45.46	-28.54	74	52.64	38.72	14.96	60.86	-	-	P	V
		11785	47.87	-26.13	74	55.35	38.42	15.27	61.17	-	-	P	V
		11785	39.47	-14.53	54	46.95	38.42	15.27	61.17	-	-	A	V
		14480	47.94	-26.06	74	54.13	40.52	16.47	63.18	-	-	P	V
		14480	40.97	-13.03	54	47.16	40.52	16.47	63.18	-	-	A	V
		16740	46.88	-21.32	68.2	49.39	38.24	17.88	58.63	-	-	P	V
		18000	52.3	-21.7	74	47.5	43.1	18.94	57.24	-	-	P	V
		18000	43.31	-10.69	54	38.51	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 140 5700MHz		10861	48.53	-25.47	74	55.79	38.82	14.8	60.88	-	-	P	H
		10861	39.49	-14.51	54	46.75	38.82	14.8	60.88	-	-	A	H
		11400	45.01	-28.99	74	51.7	39.1	15.08	60.87	-	-	P	H
		14491	47.67	-26.33	74	53.85	40.51	16.48	63.17	-	-	P	H
		14491	40.97	-13.03	54	47.15	40.51	16.48	63.17	-	-	A	H
		17100	46.43	-21.77	68.2	48.99	37.9	18.18	58.64	-	-	P	H
		18000	51.92	-22.08	74	47.12	43.1	18.94	57.24	-	-	P	H
		18000	43.07	-10.93	54	38.27	43.1	18.94	57.24	-	-	A	H
													H
													H
													H
													H
		11400	46.63	-27.37	74	53.32	39.1	15.08	60.87	-	-	P	V
		11752	48.91	-25.09	74	56.35	38.45	15.25	61.14	-	-	P	V
		11752	39.15	-14.85	54	46.59	38.45	15.25	61.14	-	-	A	V
		14491	48.15	-25.85	74	54.33	40.51	16.48	63.17	-	-	P	V
		14491	41.06	-12.94	54	47.24	40.51	16.48	63.17	-	-	A	V
		17100	45.71	-22.49	68.2	48.27	37.9	18.18	58.64	-	-	P	V
		18000	52.24	-21.76	74	47.44	43.1	18.94	57.24	-	-	P	V
		18000	43.27	-10.73	54	38.47	43.1	18.94	57.24	-	-	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 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 HE20 Full CH 100 5500MHz		5376.88	48.86	-25.14	74	42.74	32.7	10.19	36.77	175	191	P	H
		5460.08	47.73	-20.47	68.2	41.48	32.72	10.26	36.73	175	191	P	H
		5398.32	38.09	-15.91	54	31.94	32.7	10.21	36.76	175	191	A	H
	*	5500	107.96	-	-	101.57	32.8	10.3	36.71	175	191	P	H
	*	5500	97.44	-	-	91.05	32.8	10.3	36.71	175	191	A	H
		5353.36	48.4	-25.6	74	42.31	32.7	10.17	36.78	100	229	P	V
		5467.44	48.84	-19.36	68.2	42.57	32.73	10.27	36.73	100	229	P	V
		5354.16	38.44	-15.56	54	32.35	32.7	10.17	36.78	100	229	A	V
	*	5500	109.01	-	-	102.62	32.8	10.3	36.71	100	229	P	V
	*	5500	98.32	-	-	91.93	32.8	10.3	36.71	100	229	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5407.6	48.47	-25.53	74	42.31	32.7	10.22	36.76	400	195	P	H
		5467.6	47.48	-20.72	68.2	41.2	32.74	10.27	36.73	400	195	P	H
		5400.4	38.54	-15.46	54	32.39	32.7	10.21	36.76	400	195	A	H
	*	5580	109.47	-	-	102.96	32.92	10.36	36.77	400	195	P	H
	*	5580	99.18	-	-	92.67	32.92	10.36	36.77	400	195	A	H
		5762.795	47.96	-20.24	68.2	40.82	33.48	10.56	36.9	400	195	P	H
		5447.44	48.54	-25.46	74	42.33	32.7	10.25	36.74	100	230	P	V
		5460.88	48.46	-19.74	68.2	42.21	32.72	10.26	36.73	100	230	P	V
		5385.52	38.45	-15.55	54	32.32	32.7	10.2	36.77	100	230	A	V
	*	5580	109.24	-	-	102.73	32.92	10.36	36.77	100	230	P	V
	*	5580	98.93	-	-	92.42	32.92	10.36	36.77	100	230	A	V
		5742.95	48.7	-19.5	68.2	41.68	33.36	10.54	36.88	100	230	P	V

	*	5700	102.15	-	-	95.41	33.1	10.49	36.85	400	95	P	H
	*	5700	90.57	-	-	83.83	33.1	10.49	36.85	400	95	A	H
		5753.48	49.13	-19.07	68.2	42.05	33.42	10.55	36.89	400	95	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	106.02	-	-	99.28	33.1	10.49	36.85	100	135	P	V
5700MHz	*	5700	95.92	-	-	89.18	33.1	10.49	36.85	100	135	A	V
		5746.84	48.82	-19.38	68.2	41.79	33.38	10.54	36.89	100	135	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10795	47.83	-26.17	74	54.96	38.99	14.77	60.89	-	-	P	H
		10795	39.56	-14.44	54	46.69	38.99	14.77	60.89	-	-	A	H
		11000	46.34	-27.66	74	53.72	38.6	14.88	60.86	-	-	P	H
		14491	47.92	-26.08	74	54.1	40.51	16.48	63.17	-	-	P	H
		14491	40.92	-13.08	54	47.1	40.51	16.48	63.17	-	-	A	H
		16500	46.96	-21.24	68.2	49.24	38.6	17.68	58.56	-	-	P	H
		17989	52.66	-21.34	74	48	43	18.93	57.27	-	-	P	H
		17989	43.18	-10.82	54	38.52	43	18.93	57.27	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	46.16	-27.84	74	53.54	38.6	14.88	60.86	-	-	P	V
5500MHz		11763	48.13	-25.87	74	55.58	38.44	15.26	61.15	-	-	P	V
		11763	39.14	-14.86	54	46.59	38.44	15.26	61.15	-	-	A	V
		14491	48.83	-25.17	74	55.01	40.51	16.48	63.17	-	-	P	V
		14491	41.13	-12.87	54	47.31	40.51	16.48	63.17	-	-	A	V
		16500	46.75	-21.45	68.2	49.03	38.6	17.68	58.56	-	-	P	V
		18000	52.39	-21.61	74	47.59	43.1	18.94	57.24	-	-	P	V
		18000	43.08	-10.92	54	38.28	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over 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 HE20 Full CH 116 5580MHz		10872	48.07	-25.93	74	55.36	38.78	14.81	60.88	-	-	P	H
		10872	39.59	-14.41	54	46.88	38.78	14.81	60.88	-	-	A	H
		11160	45.88	-28.12	74	53.06	38.72	14.96	60.86	-	-	P	H
		14480	47.9	-26.1	74	54.09	40.52	16.47	63.18	-	-	P	H
		14480	41.03	-12.97	54	47.22	40.52	16.47	63.18	-	-	A	H
		16740	46.68	-21.52	68.2	49.19	38.24	17.88	58.63	-	-	P	H
		18000	52.82	-21.18	74	48.02	43.1	18.94	57.24	-	-	P	H
		18000	43.27	-10.73	54	38.47	43.1	18.94	57.24	-	-	A	H
													H
													H
													H
													H
		10784	48.64	-25.36	74	55.79	38.97	14.77	60.89	-	-	P	V
		10784	39.58	-14.42	54	46.73	38.97	14.77	60.89	-	-	A	V
		11160	45.75	-28.25	74	52.93	38.72	14.96	60.86	-	-	P	V
		14480	48.44	-25.56	74	54.63	40.52	16.47	63.18	-	-	P	V
		14480	41.03	-12.97	54	47.22	40.52	16.47	63.18	-	-	A	V
		16740	48.45	-19.75	68.2	50.96	38.24	17.88	58.63	100	38	P	V
		18000	52.65	-21.35	74	47.85	43.1	18.94	57.24	-	-	P	V
		18000	43.32	-10.68	54	38.52	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over 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 HE20 Full CH 140 5700MHz		10894	48.36	-25.64	74	55.69	38.72	14.82	60.87	-	-	P	H
		10894	39.35	-14.65	54	46.68	38.72	14.82	60.87	-	-	A	H
		11400	45.75	-28.25	74	52.44	39.1	15.08	60.87	-	-	P	H
		14491	48.69	-25.31	74	54.87	40.51	16.48	63.17	-	-	P	H
		14491	41	-13	54	47.18	40.51	16.48	63.17	-	-	A	H
		17100	46.76	-21.44	68.2	49.32	37.9	18.18	58.64	-	-	P	H
		17989	52.27	-21.73	74	47.61	43	18.93	57.27	-	-	P	H
		17989	43.14	-10.86	54	38.48	43	18.93	57.27	-	-	A	H
													H
													H
													H
													H
		10795	48.24	-25.76	74	55.37	38.99	14.77	60.89	-	-	P	V
		10795	39.45	-14.55	54	46.58	38.99	14.77	60.89	-	-	A	V
		11400	45.18	-28.82	74	51.87	39.1	15.08	60.87	-	-	P	V
		14480	49.11	-24.89	74	55.3	40.52	16.47	63.18	-	-	P	V
		14480	41.09	-12.91	54	47.28	40.52	16.47	63.18	-	-	A	V
		17100	46.15	-22.05	68.2	48.71	37.9	18.18	58.64	-	-	P	V
		17989	52.24	-21.76	74	47.58	43	18.93	57.27	-	-	P	V
		17989	43.36	-10.64	54	38.7	43	18.93	57.27	-	-	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 802.11ax HE40 Full (Band Edge @ 3m)

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)
802.11ax HE40 Full CH 102 5510MHz		5450.8	48.54	-25.46	74	42.32	32.7	10.25	36.73	382	190	P	H
		5469.76	48.21	-19.99	68.2	41.93	32.74	10.27	36.73	382	190	P	H
		5359.6	37.65	-16.35	54	31.55	32.7	10.18	36.78	382	190	A	H
	*	5510	106.19	-	-	99.81	32.8	10.3	36.72	382	190	P	H
	*	5510	96.8	-	-	90.42	32.8	10.3	36.72	382	190	A	H
		5759.015	48.17	-20.03	68.2	41.07	33.45	10.55	36.9	382	190	P	H
		5406.88	48.32	-25.68	74	42.16	32.7	10.22	36.76	313	196	P	V
		5469.04	48.33	-19.87	68.2	42.05	32.74	10.27	36.73	313	196	P	V
		5362.72	37.62	-16.38	54	31.52	32.7	10.18	36.78	313	196	A	V
	*	5510	105.28	-	-	98.9	32.8	10.3	36.72	313	196	P	V
	*	5510	95.66	-	-	89.28	32.8	10.3	36.72	313	196	A	V
		5736.335	48.55	-19.65	68.2	41.58	33.32	10.53	36.88	313	196	P	V
802.11ax HE40 Full CH 110 5550MHz		5446.48	48.54	-25.46	74	42.33	32.7	10.25	36.74	400	189	P	H
		5464	47.99	-20.21	68.2	41.73	32.73	10.26	36.73	400	189	P	H
		5397.28	37.68	-16.32	54	31.53	32.7	10.21	36.76	400	189	A	H
	*	5550	106.37	-	-	99.98	32.8	10.34	36.75	400	189	P	H
	*	5550	96.93	-	-	90.54	32.8	10.34	36.75	400	189	A	H
		5737.595	49.11	-19.09	68.2	42.13	33.33	10.53	36.88	400	189	P	H
		5369.68	48.87	-25.13	74	42.76	32.7	10.19	36.78	293	190	P	V
		5469.52	47.45	-20.75	68.2	41.17	32.74	10.27	36.73	293	190	P	V
		5371.12	37.86	-16.14	54	31.74	32.7	10.19	36.77	293	190	A	V
	*	5550	105.38	-	-	98.99	32.8	10.34	36.75	293	190	P	V
	*	5550	95.45	-	-	89.06	32.8	10.34	36.75	293	190	A	V
		5737.91	48.06	-20.14	68.2	41.08	33.33	10.53	36.88	293	190	P	V

802.11ax HE40 Full CH 134 5670MHz		5388.5	48.3	-25.7	74	42.17	32.7	10.2	36.77	400	169	P	H
		5463.4	47.21	-20.99	68.2	40.95	32.73	10.26	36.73	400	169	P	H
		5455.35	37.24	-16.76	54	31	32.71	10.26	36.73	400	169	A	H
	*	5670	106.76	-	-	100.09	33.04	10.46	36.83	400	169	P	H
	*	5670	96.67	-	-	90	33.04	10.46	36.83	400	169	A	H
		5737.875	49.44	-18.76	68.2	42.46	33.33	10.53	36.88	400	169	P	H
		5429.8	47.94	-26.06	74	41.75	32.7	10.24	36.75	263	191	P	V
		5461.3	47.47	-20.73	68.2	41.22	32.72	10.26	36.73	263	191	P	V
		5456.05	37.46	-16.54	54	31.22	32.71	10.26	36.73	263	191	A	V
	*	5670	105.86	-	-	99.19	33.04	10.46	36.83	263	191	P	V
	*	5670	95.81	-	-	89.14	33.04	10.46	36.83	263	191	A	V
		5741.725	48.71	-19.49	68.2	41.7	33.35	10.54	36.88	263	191	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10872	49.65	-24.35	74	56.94	38.78	14.81	60.88	-	-	P	H
		10872	39.64	-14.36	54	46.93	38.78	14.81	60.88	-	-	A	H
		11020	47.11	-26.89	74	54.48	38.6	14.89	60.86	-	-	P	H
		14480	49.79	-24.21	74	55.98	40.52	16.47	63.18	-	-	P	H
		14480	39.77	-14.23	54	45.96	40.52	16.47	63.18	-	-	A	H
		16530	47.42	-20.78	68.2	49.78	38.51	17.7	58.57	-	-	P	H
		17989	53.53	-20.47	74	48.87	43	18.93	57.27	-	-	P	H
		17989	43.52	-10.48	54	38.86	43	18.93	57.27	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		10806	48.95	-25.05	74	56.08	38.98	14.78	60.89	-	-	P	V
5510MHz		10806	38.93	-15.07	54	46.06	38.98	14.78	60.89	-	-	A	V
		11020	47.48	-26.52	74	54.85	38.6	14.89	60.86	-	-	P	V
		14500	49.57	-24.43	74	55.76	40.5	16.48	63.17	-	-	P	V
		14500	39.55	-14.45	54	45.74	40.5	16.48	63.17	-	-	A	V
		16530	47.88	-20.32	68.2	50.24	38.51	17.7	58.57	-	-	P	V
		18000	53.53	-20.47	74	48.73	43.1	18.94	57.24	-	-	P	V
		18000	43.52	-10.48	54	38.72	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over 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)
		10982	49.17	-24.83	74	56.54	38.62	14.87	60.86	-	-	P	H
		10982	39.14	-14.86	54	46.51	38.62	14.87	60.86	-	-	A	H
		11100	46.52	-27.48	74	53.85	38.6	14.93	60.86	-	-	P	H
		14491	49.24	-24.76	74	55.42	40.51	16.48	63.17	-	-	P	H
		14491	39.22	-14.78	54	45.4	40.51	16.48	63.17	-	-	A	H
		16650	46.82	-21.38	68.2	49.27	38.35	17.8	58.6	-	-	P	H
		17989	53.59	-20.41	74	48.93	43	18.93	57.27	-	-	P	H
		17989	43.58	-10.42	54	38.92	43	18.93	57.27	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		10927	49.56	-24.44	74	56.92	38.67	14.84	60.87	-	-	P	V
5550MHz		10927	39.55	-14.45	54	46.91	38.67	14.84	60.87	-	-	A	V
		11100	45.96	-28.04	74	53.29	38.6	14.93	60.86	-	-	P	V
		14470	49.45	-24.55	74	55.63	40.53	16.47	63.18	-	-	P	V
		14470	39.44	-14.56	54	45.62	40.53	16.47	63.18	-	-	A	V
		16650	46.91	-21.29	68.2	49.36	38.35	17.8	58.6	-	-	P	V
		18000	53.23	-20.77	74	48.43	43.1	18.94	57.24	-	-	P	V
		18000	43.22	-10.78	54	38.42	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over 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 HE40 Full CH 134 5670MHz		10773	49.26	-24.74	74	56.44	38.95	14.76	60.89	-	-	P	H
		10773	39.29	-14.71	54	46.47	38.95	14.76	60.89	-	-	A	H
		11340	46.11	-27.89	74	52.95	38.98	15.05	60.87	-	-	P	H
		14491	49.8	-24.2	74	55.98	40.51	16.48	63.17	-	-	P	H
		14491	39.73	-14.27	54	45.91	40.51	16.48	63.17	-	-	A	H
		17010	46.28	-21.92	68.2	49.05	37.81	18.11	58.69	-	-	P	H
		17989	53.43	-20.57	74	48.77	43	18.93	57.27	-	-	P	H
		17989	43.42	-10.58	54	38.76	43	18.93	57.27	-	-	A	H
													H
													H
													H
													H
		10839	50.07	-23.93	74	57.28	38.88	14.79	60.88	-	-	P	V
		10839	40.05	-13.95	54	47.26	38.88	14.79	60.88	-	-	A	V
		11340	46.38	-27.62	74	53.22	38.98	15.05	60.87	-	-	P	V
		14491	49.64	-24.36	74	55.82	40.51	16.48	63.17	-	-	P	V
		14491	39.69	-14.31	54	45.87	40.51	16.48	63.17	-	-	A	V
		17010	47.14	-21.06	68.2	49.91	37.81	18.11	58.69	-	-	P	V
		18000	53.46	-20.54	74	48.66	43.1	18.94	57.24	-	-	P	V
		18000	43.45	-10.55	54	38.65	43.1	18.94	57.24	-	-	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 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 106 5530MHz		5453.2	48.65	-25.35	74	42.41	32.71	10.26	36.73	400	190	P	H
		5469.52	48.08	-20.12	68.2	41.8	32.74	10.27	36.73	400	190	P	H
		5401.12	37.72	-16.28	54	31.57	32.7	10.21	36.76	400	190	A	H
	*	5530	104.19	-	-	97.8	32.8	10.32	36.73	400	190	P	H
	*	5530	94.1	-	-	87.71	32.8	10.32	36.73	400	190	A	H
		5730.665	48.22	-19.98	68.2	41.3	33.28	10.52	36.88	400	190	P	H
		5389.36	48.88	-25.12	74	42.75	32.7	10.2	36.77	100	232	P	V
		5465.92	47.83	-20.37	68.2	41.56	32.73	10.27	36.73	100	232	P	V
		5360.32	38	-16	54	31.9	32.7	10.18	36.78	100	232	A	V
	*	5530	101.28	-	-	94.89	32.8	10.32	36.73	100	232	P	V
	*	5530	92.36	-	-	85.97	32.8	10.32	36.73	100	232	A	V
		5762.48	48.28	-19.92	68.2	41.15	33.47	10.56	36.9	100	232	P	V
802.11ax HE80 Full CH 122 5610MHz		5418.4	48.25	-25.75	74	42.07	32.7	10.23	36.75	393	194	P	H
		5461.6	47.81	-20.39	68.2	41.56	32.72	10.26	36.73	393	194	P	H
		5449.6	37.9	-16.1	54	31.69	32.7	10.25	36.74	393	194	A	H
	*	5610	103.25	-	-	96.65	33	10.39	36.79	393	194	P	H
	*	5610	92.98	-	-	86.38	33	10.39	36.79	393	194	A	H
		5764.685	48.09	-20.11	68.2	40.94	33.49	10.56	36.9	393	194	P	H
		5390.5	48.66	-25.34	74	42.52	32.7	10.2	36.76	100	232	P	V
		5461	48.22	-19.98	68.2	41.97	32.72	10.26	36.73	100	232	P	V
		5454.4	37.76	-16.24	54	31.52	32.71	10.26	36.73	100	232	A	V
	*	5610	103.52	-	-	96.92	33	10.39	36.79	100	232	P	V
	*	5610	92.5	-	-	85.9	33	10.39	36.79	100	232	A	V
		5752.4	47.95	-20.25	68.2	40.88	33.41	10.55	36.89	100	232	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10938	49.46	-24.54	74	56.83	38.66	14.84	60.87	-	-	P	H
		10938	39.45	-14.55	54	46.82	38.66	14.84	60.87	-	-	A	H
		11060	46.85	-27.15	74	54.2	38.6	14.91	60.86	-	-	P	H
		14500	49.77	-24.23	74	55.96	40.5	16.48	63.17	-	-	P	H
		14500	39.71	-14.29	54	45.9	40.5	16.48	63.17	-	-	A	H
		16590	47.01	-21.19	68.2	49.52	38.33	17.75	58.59	-	-	P	H
		18000	53.33	-20.67	74	48.53	43.1	18.94	57.24	-	-	P	H
		18000	43.32	-10.68	54	38.52	43.1	18.94	57.24	-	-	A	H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		10861	50	-24	74	57.26	38.82	14.8	60.88	-	-	P	V
5530MHz		10861	39.96	-14.04	54	47.22	38.82	14.8	60.88	-	-	A	V
		11060	47.05	-26.95	74	54.4	38.6	14.91	60.86	-	-	P	V
		14491	49.43	-24.57	74	55.61	40.51	16.48	63.17	-	-	P	V
		14491	39.41	-14.59	54	45.59	40.51	16.48	63.17	-	-	A	V
		16590	46.84	-21.36	68.2	49.35	38.33	17.75	58.59	-	-	P	V
		18000	53.56	-20.44	74	48.76	43.1	18.94	57.24	-	-	P	V
		18000	43.52	-10.48	54	38.72	43.1	18.94	57.24	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over 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 122 5610MHz		10795	49.49	-24.51	74	56.62	38.99	14.77	60.89	-	-	P	H
		10795	39.48	-14.52	54	46.61	38.99	14.77	60.89	-	-	A	H
		11220	46.8	-27.2	74	53.85	38.82	14.99	60.86	-	-	P	H
		14470	50.04	-23.96	74	56.22	40.53	16.47	63.18	-	-	P	H
		14470	40.04	-13.96	54	46.22	40.53	16.47	63.18	-	-	A	H
		16830	46.63	-21.57	68.2	49.38	37.94	17.96	58.65	-	-	P	H
		18000	54.36	-19.64	74	49.56	43.1	18.94	57.24	-	-	P	H
		18000	44.39	-9.61	54	39.59	43.1	18.94	57.24	-	-	A	H
													H
													H
													H
													H
		10861	50.36	-23.64	74	57.62	38.82	14.8	60.88	-	-	P	V
		10861	40.35	-13.65	54	47.61	38.82	14.8	60.88	-	-	A	V
		11220	46.42	-27.58	74	53.47	38.82	14.99	60.86	-	-	P	V
		14480	49.74	-24.26	74	55.93	40.52	16.47	63.18	-	-	P	V
		14480	39.71	-14.29	54	45.9	40.52	16.47	63.18	-	-	A	V
		16830	46.87	-21.33	68.2	49.62	37.94	17.96	58.65	-	-	P	V
		17989	53.73	-20.27	74	49.07	43	18.93	57.27	-	-	P	V
		17989	43.72	-10.28	54	39.06	43	18.93	57.27	-	-	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 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 114 5570MHz		5447.5	50.23	-23.77	74	44.02	32.7	10.25	36.74	400	191	P	H
		5466.7	48.36	-19.84	68.2	42.09	32.73	10.27	36.73	400	191	P	H
		5460	39.36	-14.64	54	33.11	32.72	10.26	36.73	400	191	A	H
	*	5570	100.94	-	-	94.47	32.88	10.35	36.76	400	191	P	H
	*	5570	90.43	-	-	83.96	32.88	10.35	36.76	400	191	A	H
		5749.25	49.93	-18.27	68.2	42.88	33.4	10.54	36.89	400	191	P	H
		5417.2	50.32	-23.68	74	44.15	32.7	10.22	36.75	100	230	P	V
		5460.4	48.77	-19.43	68.2	42.52	32.72	10.26	36.73	100	230	P	V
		5425.9	39.49	-14.51	54	33.31	32.7	10.23	36.75	100	230	A	V
	*	5570	99.83	-	-	93.36	32.88	10.35	36.76	100	230	P	V
	*	5570	88.82	-	-	82.35	32.88	10.35	36.76	100	230	A	V
		5727.83	51.51	-16.69	68.2	44.59	33.27	10.52	36.87	100	230	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 114 5570MHz		10784	50.3	-23.7	74	57.45	38.97	14.77	60.89	-	-	P	H
		10784	40.28	-13.72	54	47.43	38.97	14.77	60.89	-	-	A	H
		11140	47.2	-26.8	74	54.43	38.68	14.95	60.86	-	-	P	H
		14500	50.58	-23.42	74	56.77	40.5	16.48	63.17	-	-	P	H
		14500	40.17	-13.83	54	46.36	40.5	16.48	63.17	-	-	A	H
		16710	48.12	-20.08	68.2	50.53	38.36	17.85	58.62	-	-	P	H
		18000	54.52	-19.48	74	49.72	43.1	18.94	57.24	-	-	P	H
		18000	44.51	-9.49	54	39.71	43.1	18.94	57.24	-	-	A	H
													H
													H
													H
													H
		10916	49.87	-24.13	74	57.23	38.68	14.83	60.87	-	-	P	V
		10916	39.86	-14.14	54	47.22	38.68	14.83	60.87	-	-	A	V
		11140	47.54	-26.46	74	54.77	38.68	14.95	60.86	-	-	P	V
		14480	49.74	-24.26	74	55.93	40.52	16.47	63.18	-	-	P	V
		14480	39.73	-14.27	54	45.92	40.52	16.47	63.18	-	-	A	V
		16710	48	-20.2	68.2	50.41	38.36	17.85	58.62	-	-	P	V
		18000	54.63	-19.37	74	49.83	43.1	18.94	57.24	-	-	P	V
		18000	44.62	-9.38	54	39.82	43.1	18.94	57.24	-	-	A	V
													V
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													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
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 Partial 1992 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 Partial 1992/68 CH 114 5570MHz		5440.3	52.45	-21.55	74	46.25	32.7	10.24	36.74	400	166	P	H
		5470	51.46	-16.74	68.2	45.17	32.74	10.27	36.72	400	166	P	H
		5460	38.88	-15.12	54	32.63	32.72	10.26	36.73	400	166	A	H
	*	5570	89.3	-	-	82.83	32.88	10.35	36.76	400	166	P	H
	*	5570	80.06	-	-	73.59	32.88	10.35	36.76	400	166	A	H
		5735.705	48.74	-19.46	68.2	41.78	33.31	10.53	36.88	400	166	P	H
		5452.3	56.89	-17.11	74	50.67	32.7	10.25	36.73	298	192	P	V
		5464	52.06	-16.14	68.2	45.8	32.73	10.26	36.73	298	192	P	V
		5456.2	39.54	-14.46	54	33.3	32.71	10.26	36.73	298	192	A	V
	*	5570	89.95	-	-	83.48	32.88	10.35	36.76	298	192	P	V
	*	5570	80.39	-	-	73.92	32.88	10.35	36.76	298	192	A	V
		5728.46	50.68	-17.52	68.2	43.76	33.27	10.52	36.87	298	192	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 Partial 1992 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 Partial 1992/68 CH 114 5570MHz		10806	49.02	-24.98	74	56.15	38.98	14.78	60.89	-	-	P	H
		10806	39.01	-14.99	54	46.14	38.98	14.78	60.89	-	-	A	H
		11140	46.23	-27.77	74	53.46	38.68	14.95	60.86	-	-	P	H
		14470	49.76	-24.24	74	55.94	40.53	16.47	63.18	-	-	P	H
		14470	39.74	-14.26	54	45.92	40.53	16.47	63.18	-	-	A	H
		16710	46.96	-21.24	68.2	49.37	38.36	17.85	58.62	-	-	P	H
		17978	53.81	-20.19	74	49.27	42.9	18.93	57.29	-	-	P	H
		17978	43.79	-10.21	54	39.25	42.9	18.93	57.29	-	-	A	H
													H
													H
													H
													H
		10839	48.97	-25.03	74	56.18	38.88	14.79	60.88	-	-	P	V
		10839	38.95	-15.05	54	46.16	38.88	14.79	60.88	-	-	A	V
		11140	46.85	-27.15	74	54.08	38.68	14.95	60.86	-	-	P	V
		14500	49.43	-24.57	74	55.62	40.5	16.48	63.17	-	-	P	V
		14500	39.44	-14.56	54	45.63	40.5	16.48	63.17	-	-	A	V
		16710	47.86	-20.34	68.2	50.27	38.36	17.85	58.62	-	-	P	V
		17989	53.3	-20.7	74	48.64	43	18.93	57.27	-	-	P	V
		17989	43.29	-10.71	54	38.63	43	18.93	57.27	-	-	A	V
		10839	48.97	-25.03	74	56.18	38.88	14.79	60.88	-	-	P	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 144 5720MHz		5406.94	48.27	-25.73	74	42.11	32.7	10.22	36.76	337	178	P	H
		5467	47	-21.2	68.2	40.73	32.73	10.27	36.73	337	178	P	H
		5453.35	37.64	-16.36	54	31.4	32.71	10.26	36.73	337	178	A	H
	*	5720	105.37	-	-	98.51	33.22	10.51	36.87	337	178	A	H
	*	5722	104.9	-	-	98.03	33.23	10.51	36.87	337	178	P	H
		5930.5	48.87	-19.33	68.2	41.2	34	10.69	37.02	337	178	P	H
		5404.6	48.89	-25.11	74	42.74	32.7	10.21	36.76	306	190	P	V
		5464.27	48.4	-19.8	68.2	42.14	32.73	10.26	36.73	306	190	P	V
		5458.03	37.67	-16.33	54	31.42	32.72	10.26	36.73	306	190	A	V
	*	5720	106.66	-	-	99.8	33.22	10.51	36.87	306	190	P	V
	*	5720	98.69	-	-	91.83	33.22	10.51	36.87	306	190	A	V
		5859.78	50.17	-18.03	68.2	42.58	33.92	10.64	36.97	306	190	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 144 5720MHz		11440	45.63	-28.37	74	52.42	38.98	15.1	60.87	-	-	P	H
		11862	48.54	-25.46	74	55.96	38.52	15.31	61.25	-	-	P	H
		11862	39.5	-14.5	54	46.92	38.52	15.31	61.25	-	-	A	H
		14491	47.7	-26.3	74	53.88	40.51	16.48	63.17	-	-	P	H
		14491	41.35	-12.65	54	47.53	40.51	16.48	63.17	-	-	A	H
		17160	45.59	-22.61	68.2	48.06	37.9	18.23	58.6	-	-	P	H
		17989	52.04	-21.96	74	47.38	43	18.93	57.27	-	-	P	H
		17989	43.14	-10.86	54	38.48	43	18.93	57.27	-	-	A	H
													H
													H
													H
													H
		10872	48.35	-25.65	74	55.64	38.78	14.81	60.88	-	-	P	V
		10872	39.4	-14.6	54	46.69	38.78	14.81	60.88	-	-	A	V
		11440	45.4	-28.6	74	52.19	38.98	15.1	60.87	-	-	P	V
		14480	47.34	-26.66	74	53.53	40.52	16.47	63.18	-	-	P	V
		14480	41.04	-12.96	54	47.23	40.52	16.47	63.18	-	-	A	V
		17160	45.99	-22.21	68.2	48.46	37.9	18.23	58.6	-	-	P	V
		18000	52.22	-21.78	74	47.42	43.1	18.94	57.24	-	-	P	V
		18000	43.22	-10.78	54	38.42	43.1	18.94	57.24	-	-	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 - Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 HE20 Full CH 144 5720MHz		5457.64	48.17	-25.83	74	41.92	32.72	10.26	36.73	400	95	P	H
		5461.15	47.08	-21.12	68.2	40.83	32.72	10.26	36.73	400	95	P	H
		5454.91	37.89	-16.11	54	31.65	32.71	10.26	36.73	400	95	A	H
	*	5720	103.38	-	-	96.52	33.22	10.51	36.87	400	95	P	H
	*	5720	92.56	-	-	85.7	33.22	10.51	36.87	400	95	A	H
		5861.86	49.98	-18.22	68.2	42.39	33.92	10.64	36.97	400	95	P	H
		5424.49	47.94	-26.06	74	41.76	32.7	10.23	36.75	100	135	P	V
		5468.95	47.31	-20.89	68.2	41.03	32.74	10.27	36.73	100	135	P	V
		5456.86	38.24	-15.76	54	32	32.71	10.26	36.73	100	135	A	V
	*	5720	107.79	-	-	100.93	33.22	10.51	36.87	100	135	P	V
	*	5720	96.91	-	-	90.05	33.22	10.51	36.87	100	135	A	V
		5909.44	51.26	-16.94	68.2	43.58	34	10.68	37	100	135	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 HE20 Full CH 144 5720MHz		10883	49.18	-24.82	74	56.49	38.75	14.82	60.88	-	-	P	H
		10883	39.47	-14.53	54	46.78	38.75	14.82	60.88	-	-	A	H
		11440	46.4	-27.6	74	53.19	38.98	15.1	60.87	-	-	P	H
		14491	48.76	-25.24	74	54.94	40.51	16.48	63.17	-	-	P	H
		14491	41.02	-12.98	54	47.2	40.51	16.48	63.17	-	-	A	H
		17160	45.87	-22.33	68.2	48.34	37.9	18.23	58.6	-	-	P	H
		18000	53.12	-20.88	74	48.32	43.1	18.94	57.24	-	-	P	H
		18000	43.12	-10.88	54	38.32	43.1	18.94	57.24	-	-	A	H
													H
													H
													H
													H
		11440	45.74	-28.26	74	52.53	38.98	15.1	60.87	-	-	P	V
		11763	48.53	-25.47	74	55.98	38.44	15.26	61.15	-	-	P	V
		11763	39.37	-14.63	54	46.82	38.44	15.26	61.15	-	-	A	V
		14491	48.68	-25.32	74	54.86	40.51	16.48	63.17	-	-	P	V
		14491	40.91	-13.09	54	47.09	40.51	16.48	63.17	-	-	A	V
		17160	46.32	-21.88	68.2	48.79	37.9	18.23	58.6	-	-	P	V
		17989	53.03	-20.97	74	48.37	43	18.93	57.27	-	-	P	V
		17989	42.96	-11.04	54	38.3	43	18.93	57.27	-	-	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 - Straddle Channel

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

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)
802.11ax HE40 Full CH 142 5710MHz		5454.91	48.04	-25.96	74	41.8	32.71	10.26	36.73	377	186	P	H
		5465.05	46.8	-21.4	68.2	40.53	32.73	10.27	36.73	377	186	P	H
		5457.25	37.25	-16.75	54	31.01	32.71	10.26	36.73	377	186	A	H
	*	5710	105.45	-	-	98.65	33.16	10.5	36.86	377	186	P	H
	*	5710	95.22	-	-	88.42	33.16	10.5	36.86	377	186	A	H
		5910.5	49.7	-18.5	68.2	42.03	34	10.68	37.01	377	186	P	H
		5394.85	48	-26	74	41.85	32.7	10.21	36.76	307	173	P	V
		5469.34	47.47	-20.73	68.2	41.19	32.74	10.27	36.73	307	173	P	V
		5458.03	37.24	-16.76	54	30.99	32.72	10.26	36.73	307	173	A	V
	*	5710	104.59	-	-	97.79	33.16	10.5	36.86	307	173	P	V
	*	5710	95.45	-	-	88.65	33.16	10.5	36.86	307	173	A	V
		5865	50.46	-17.74	68.2	42.85	33.93	10.65	36.97	307	173	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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)
		10784	49.27	-24.73	74	56.42	38.97	14.77	60.89	-	-	P	H
		10784	39.25	-14.75	54	46.4	38.97	14.77	60.89	-	-	A	H
		11420	46.44	-27.56	74	53.18	39.04	15.09	60.87	-	-	P	H
		14470	49.56	-24.44	74	55.74	40.53	16.47	63.18	-	-	P	H
		14470	39.53	-14.47	54	45.71	40.53	16.47	63.18	-	-	A	H
		17130	46.52	-21.68	68.2	49.03	37.9	18.21	58.62	-	-	P	H
		17989	53.43	-20.57	74	48.77	43	18.93	57.27	-	-	P	H
		17989	43.43	-10.57	54	38.77	43	18.93	57.27	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		10773	50.17	-23.83	74	57.35	38.95	14.76	60.89	-	-	P	V
5710MHz		10773	40.13	-13.87	54	47.31	38.95	14.76	60.89	-	-	A	V
		11420	46.49	-27.51	74	53.23	39.04	15.09	60.87	-	-	P	V
		14470	49.57	-24.43	74	55.75	40.53	16.47	63.18	-	-	P	V
		14470	39.55	-14.45	54	45.73	40.53	16.47	63.18	-	-	A	V
		17130	46.44	-21.76	68.2	48.95	37.9	18.21	58.62	-	-	P	V
		18000	53.32	-20.68	74	48.52	43.1	18.94	57.24	-	-	P	V
		18000	43.31	-10.69	54	38.51	43.1	18.94	57.24	-	-	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 Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over 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 138 5690MHz		5447.89	47.66	-26.34	74	41.45	32.7	10.25	36.74	400	196	P	H
		5463.88	48.29	-19.91	68.2	42.03	32.73	10.26	36.73	400	196	P	H
		5456.86	37.36	-16.64	54	31.12	32.71	10.26	36.73	400	196	A	H
	*	5690	102.5	-	-	95.79	33.08	10.48	36.85	400	196	P	H
	*	5690	92.35	-	-	85.64	33.08	10.48	36.85	400	196	A	H
		5887.75	49.27	-18.93	68.2	41.62	33.98	10.66	36.99	400	196	P	H
		5452.18	48.53	-25.47	74	42.31	32.7	10.25	36.73	100	231	P	V
		5461.54	47.57	-20.63	68.2	41.32	32.72	10.26	36.73	100	231	P	V
		5459.98	37.44	-16.56	54	31.19	32.72	10.26	36.73	100	231	A	V
	*	5690	103.19	-	-	96.48	33.08	10.48	36.85	100	231	P	V
	*	5690	92.16	-	-	85.45	33.08	10.48	36.85	100	231	A	V
		5877	50.34	-17.86	68.2	42.72	33.95	10.65	36.98	100	231	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 138 5690MHz		10817	49.98	-24.02	74	57.14	38.95	14.78	60.89	-	-	P	H
		10817	39.97	-14.03	54	47.13	38.95	14.78	60.89	-	-	A	H
		11380	46.49	-27.51	74	53.23	39.06	15.07	60.87	-	-	P	H
		14470	49.92	-24.08	74	56.1	40.53	16.47	63.18	-	-	P	H
		14470	39.93	-14.07	54	46.11	40.53	16.47	63.18	-	-	A	H
		17070	47.25	-20.95	68.2	49.88	37.87	18.16	58.66	-	-	P	H
		17978	54.37	-19.63	74	49.83	42.9	18.93	57.29	-	-	P	H
		17978	44.34	-9.66	54	39.8	42.9	18.93	57.29	-	-	A	H
													H
													H
													H
													H
		10938	50.22	-23.78	74	57.59	38.66	14.84	60.87	-	-	P	V
		10938	40.2	-13.8	54	47.57	38.66	14.84	60.87	-	-	A	V
		11380	46.72	-27.28	74	53.46	39.06	15.07	60.87	-	-	P	V
		14500	50.64	-23.36	74	56.83	40.5	16.48	63.17	-	-	P	V
		14500	40.62	-13.38	54	46.81	40.5	16.48	63.17	-	-	A	V
		17070	46.79	-21.41	68.2	49.42	37.87	18.16	58.66	-	-	P	V
		17989	54.5	-19.5	74	49.84	43	18.93	57.27	-	-	P	V
		17989	44.49	-9.51	54	39.83	43	18.93	57.27	-	-	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.

Emission above 18GHz

WIFI 802.11ax HE80 Full (SHF @ 1m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full SHF		19782	37.83	-36.17	74	58.58	37.76	-3.57	54.94	-	-	P	H
		31662	42.35	-31.65	74	60.4	40.6	-1.99	56.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		19034	40.06	-33.94	74	60.81	38.01	-3.67	55.09	-	-	P	V
		36480	42.73	-31.27	74	59.86	42.6	-1.32	58.41	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Emission below 1GHz

WIFI 802.11ax HE80 Full (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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 LF		30	21.98	-18.02	40	29.27	24.57	0.61	32.47	-	-	P	H
		146.4	17.97	-25.53	43.5	31.47	17.22	1.76	32.48	-	-	P	H
		251.16	31.88	-14.12	46	43.72	18.37	2.24	32.45	-	-	P	H
		373.38	33.51	-12.49	46	42.59	20.79	2.59	32.46	-	-	P	H
		493.66	27.44	-18.56	46	33.15	23.76	2.98	32.45	-	-	P	H
		720.64	35.11	-10.89	46	37.4	26.44	3.62	32.35	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.97	22.06	-17.94	40	30.07	23.85	0.62	32.48	-	-	P	V
		61.04	24.72	-15.28	40	44.45	11.78	1.04	32.55	-	-	P	V
		248.25	25.92	-20.08	46	38.13	18.01	2.23	32.45	-	-	P	V
		369.5	29.5	-16.5	46	38.64	20.74	2.58	32.46	-	-	P	V
		718.7	34.93	-11.07	46	37.32	26.36	3.61	32.36	-	-	P	V
		860.32	30.97	-15.03	46	29.99	28.84	4.01	31.87	-	-	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.

<Sample 2>

Band 1 - 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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		5113.88	49.76	-24.24	74	43.66	33.04	9.96	36.9	400	171	P	H
		5129.74	40.25	-13.75	54	34.19	32.98	9.98	36.9	400	171	A	H
	*	5250	102.14	-	-	95.98	32.9	10.09	36.83	400	171	P	H
	*	5250	92.33	-	-	86.17	32.9	10.09	36.83	400	171	A	H
		5391.4	55.67	-18.33	74	49.53	32.7	10.2	36.76	400	171	P	H
		5350.8	46.15	-7.85	54	40.06	32.7	10.17	36.78	400	171	A	H
		5104.52	50.78	-23.22	74	44.66	33.08	9.95	36.91	314	124	P	V
		5104.78	40.62	-13.38	54	34.5	33.08	9.95	36.91	314	124	A	V
	*	5250	102.33	-	-	96.17	32.9	10.09	36.83	314	124	P	V
	*	5250	91.16	-	-	85	32.9	10.09	36.83	314	124	A	V
		5402.88	53.59	-20.41	74	47.44	32.7	10.21	36.76	314	124	P	V
		5353.88	44.7	-9.3	54	38.61	32.7	10.17	36.78	314	124	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. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over 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		10500	45.35	-22.85	68.2	53.26	38.4	14.62	60.93	-	-	P	H
		10894	48.64	-25.36	74	55.97	38.72	14.82	60.87	-	-	P	H
		10894	39.45	-14.55	54	46.78	38.72	14.82	60.87	-	-	A	H
		14480	48.74	-25.26	74	54.93	40.52	16.47	63.18	-	-	P	H
		14480	40.89	-13.11	54	47.08	40.52	16.47	63.18	-	-	A	H
		15750	45.7	-28.3	74	52.59	37.55	17.12	61.56	-	-	P	H
		18000	52.86	-21.14	74	48.06	43.1	18.94	57.24	-	-	P	H
		18000	43.45	-10.55	54	38.65	43.1	18.94	57.24	-	-	A	H
													H
													H
													H
													H
		10500	45.39	-22.81	68.2	53.3	38.4	14.62	60.93	-	-	P	V
		10806	48.32	-25.68	74	55.45	38.98	14.78	60.89	-	-	P	V
		10806	39.79	-14.21	54	46.92	38.98	14.78	60.89	-	-	A	V
		14491	48.44	-25.56	74	54.62	40.51	16.48	63.17	-	-	P	V
		14491	40.94	-13.06	54	47.12	40.51	16.48	63.17	-	-	A	V
		15750	46.35	-27.65	74	53.24	37.55	17.12	61.56	-	-	P	V
		18000	53.56	-20.44	74	48.76	43.1	18.94	57.24	-	-	P	V
		18000	43.27	-10.73	54	38.47	43.1	18.94	57.24	-	-	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.

Note symbol

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

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

WIFI	Note	Frequency	Level	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)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	**Temperature :**	22~24.5°C
		Relative Humidity :	40~60%

Remark: For Radiated Spurious Emission Test Items, Ant. 1 means Chain 1 (Aux.) and Ant. 2 means Chain 2 (Main).

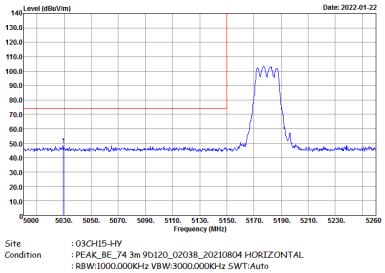
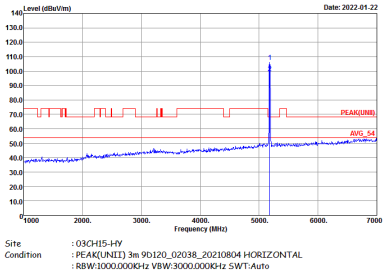
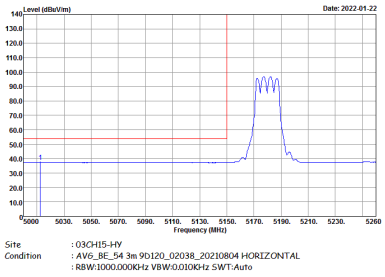
Note symbol

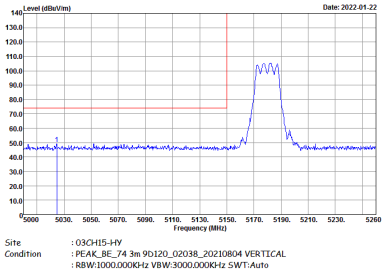
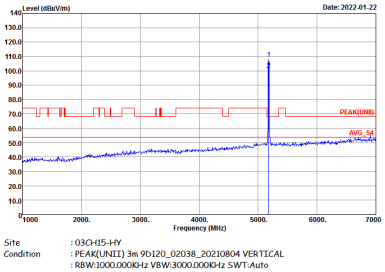
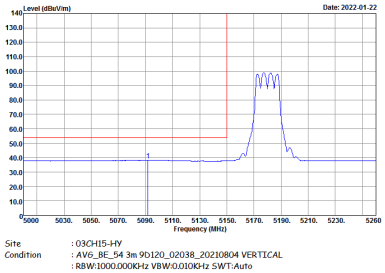
-L	**Low channel location**
-R	**High channel location**

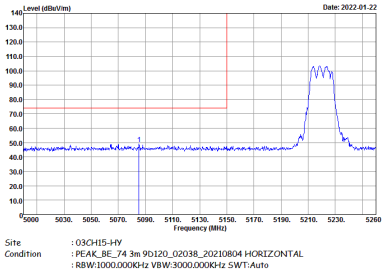
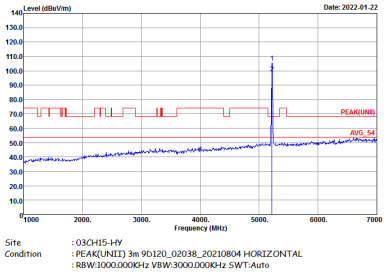
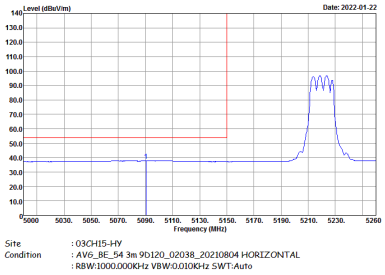
<Sample 1>

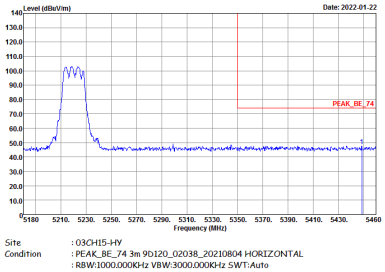
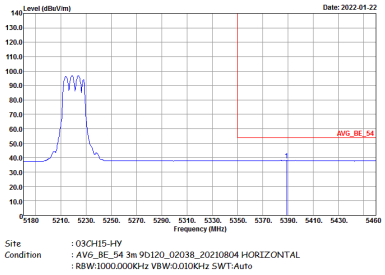
Band 1 - 5150~5250MHz

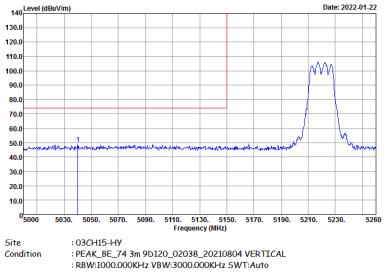
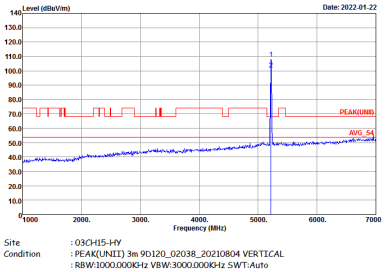
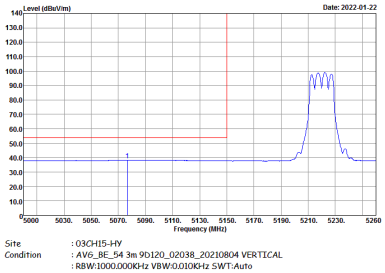
WIFI 802.11a (Band Edge @ 3m)

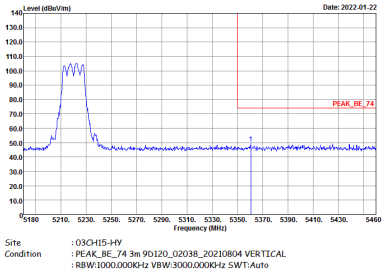
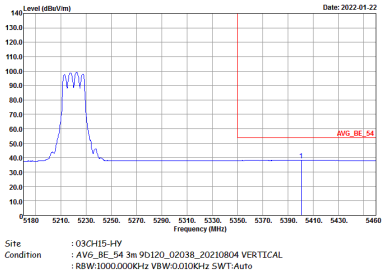
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

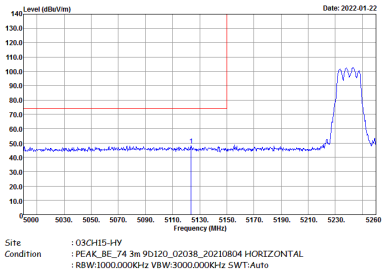
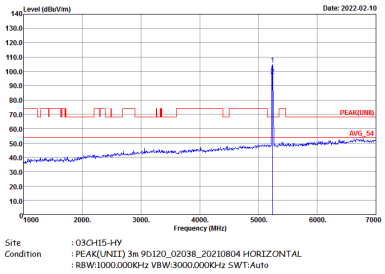
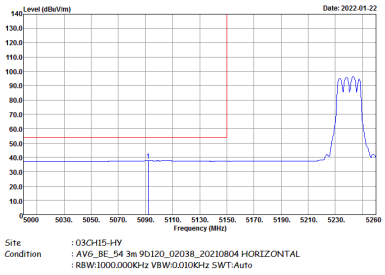
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

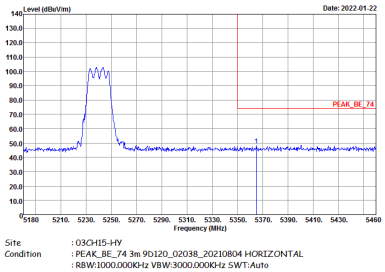
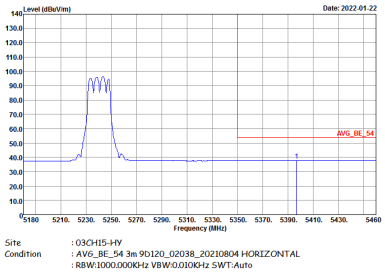
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

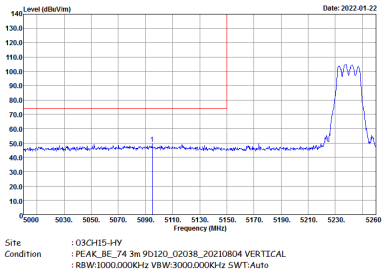
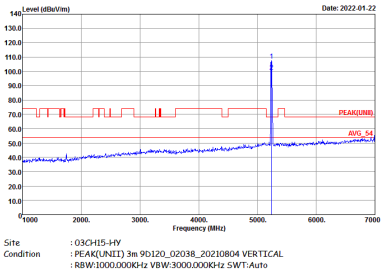
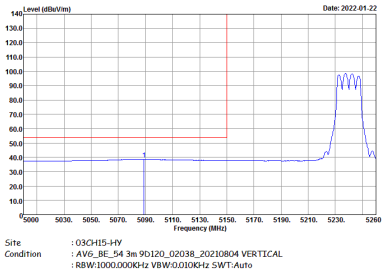
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

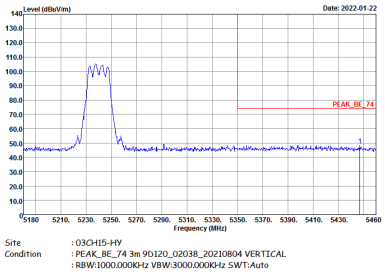
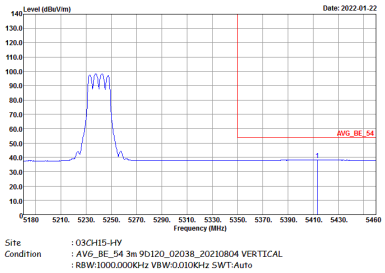
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

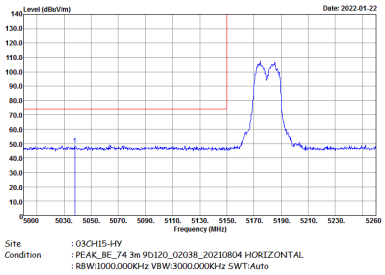
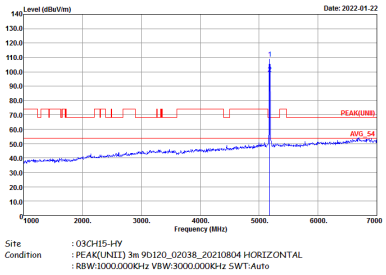
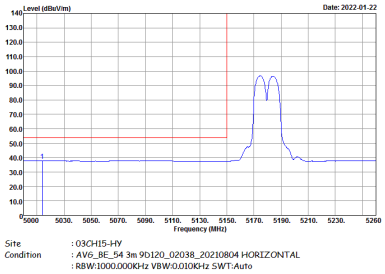
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

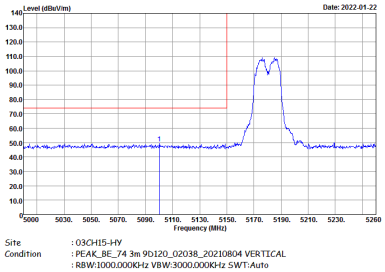
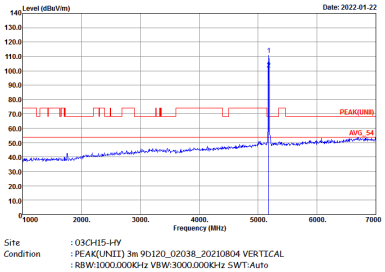
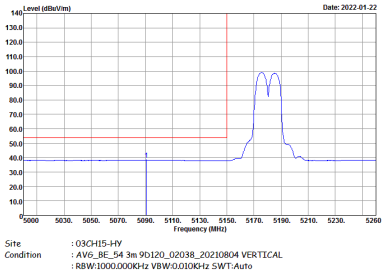
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

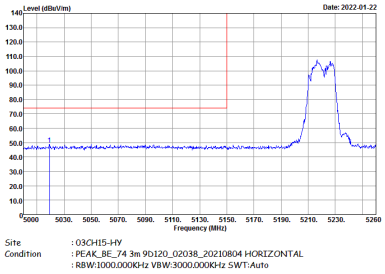
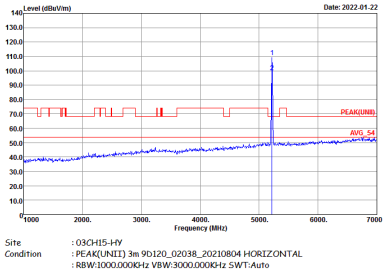
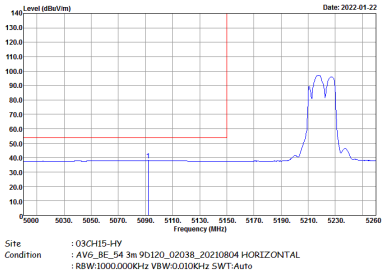
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

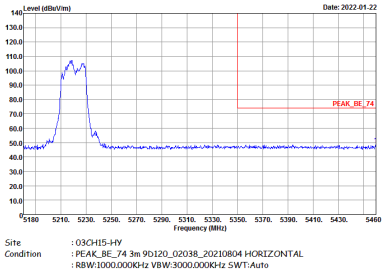
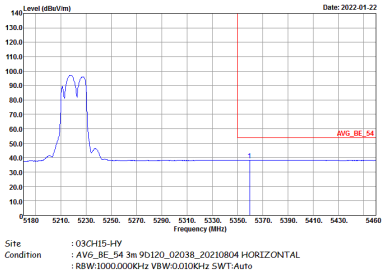
Band 1 5150~5250MHz

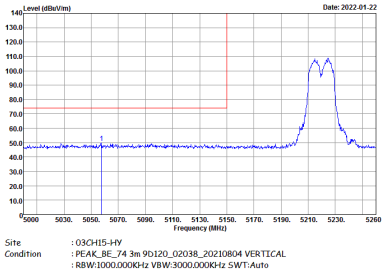
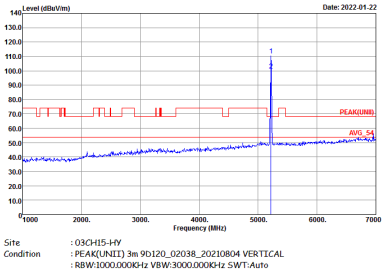
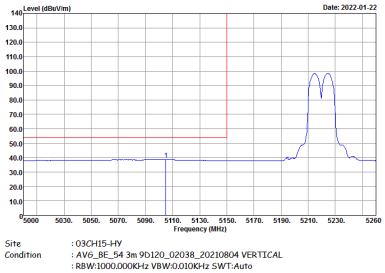
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

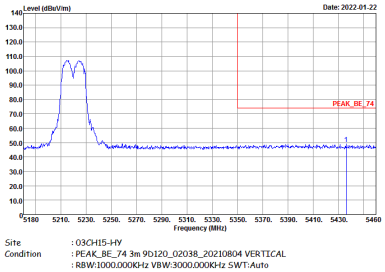
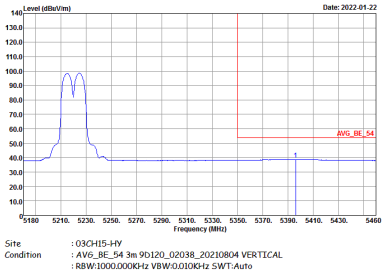
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

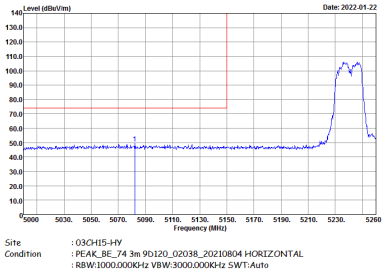
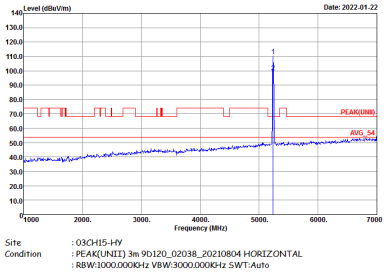
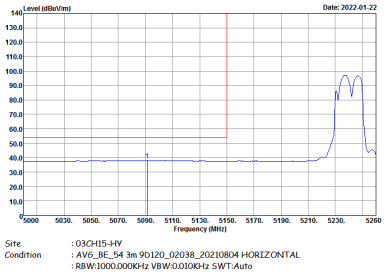
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

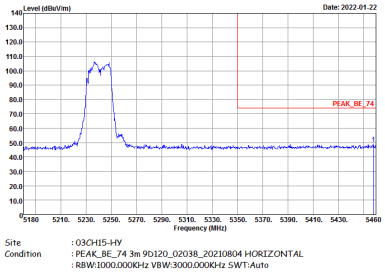
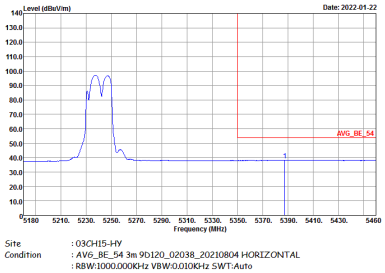
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

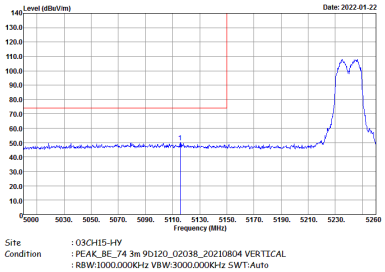
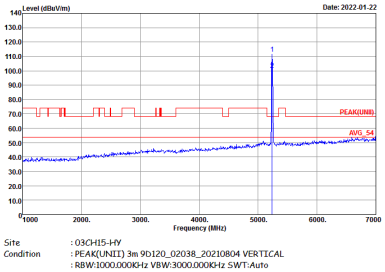
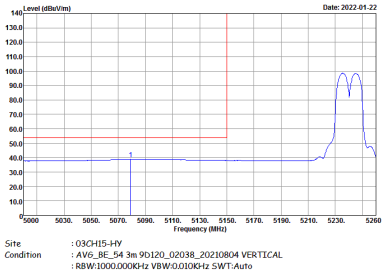
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

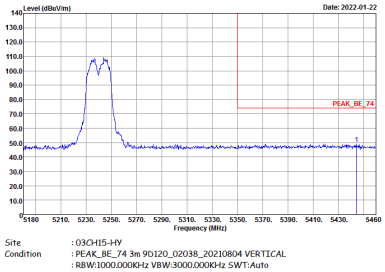
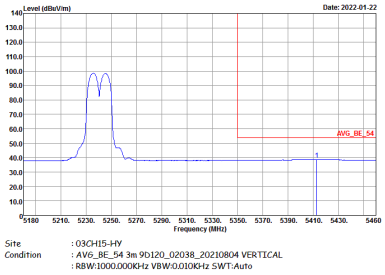
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

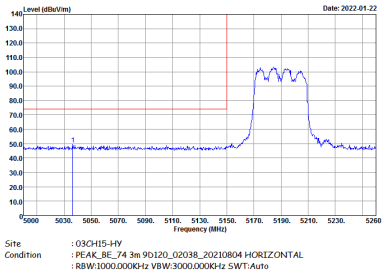
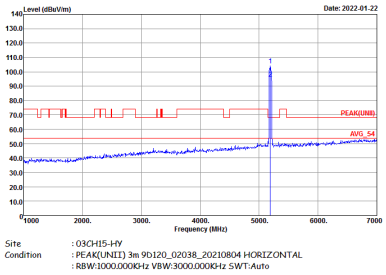
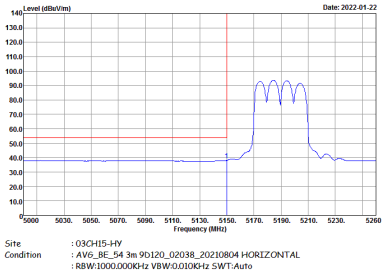
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

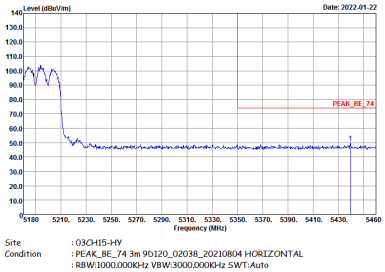
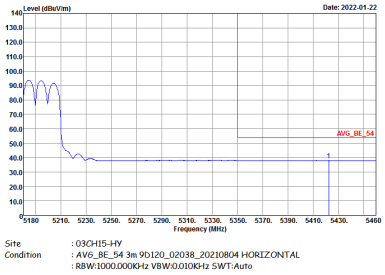
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

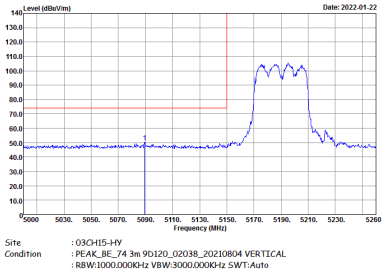
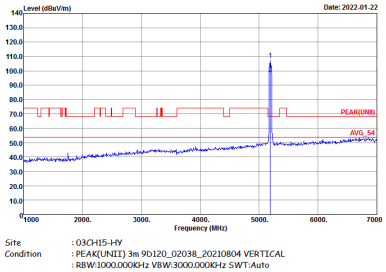
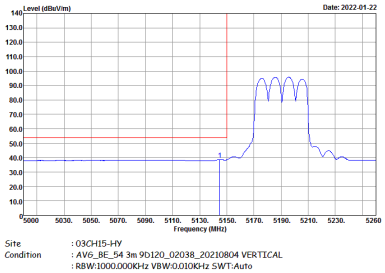
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

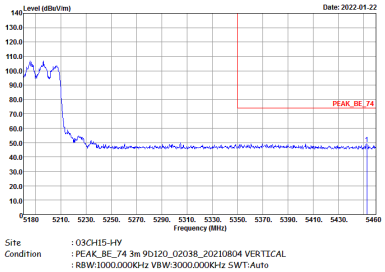
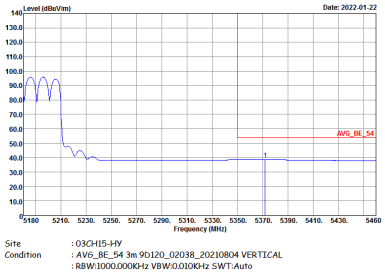
Band 1 5150~5250MHz

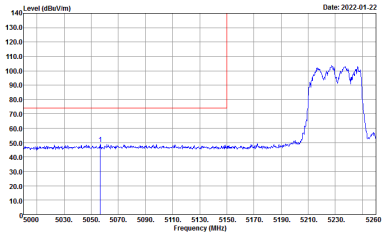
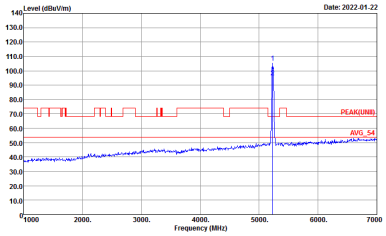
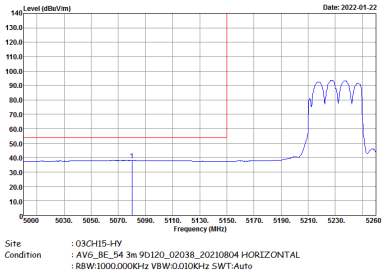
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

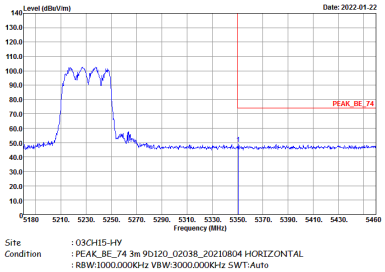
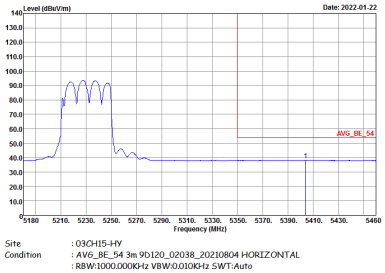
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

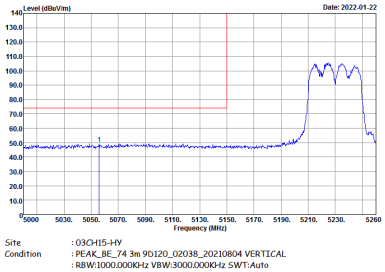
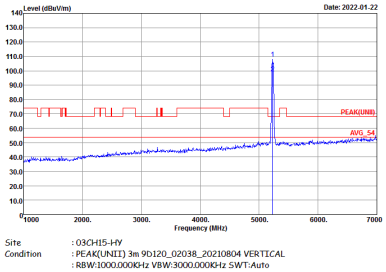
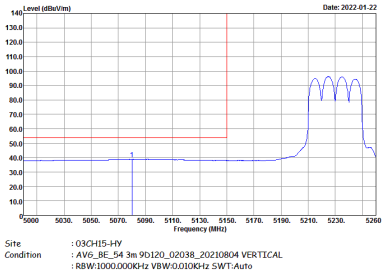
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

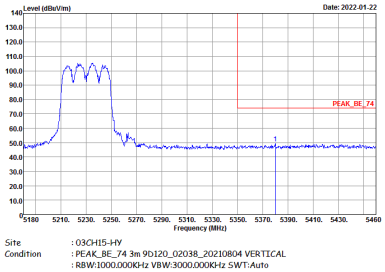
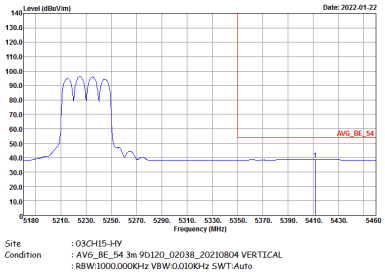
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

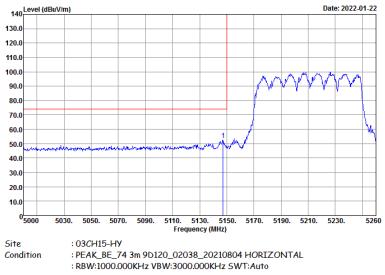
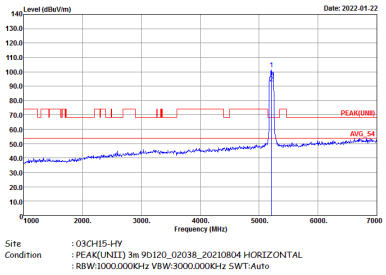
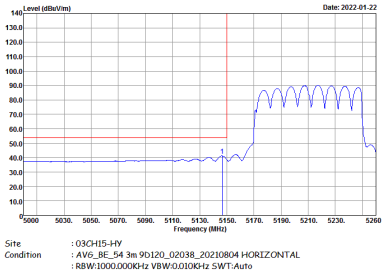
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

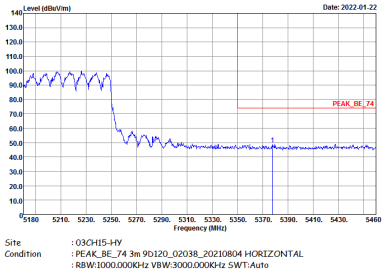
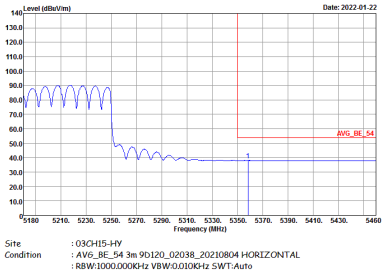
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

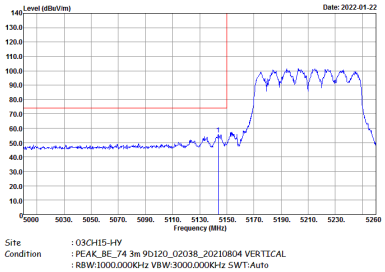
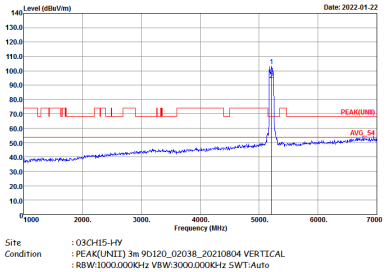
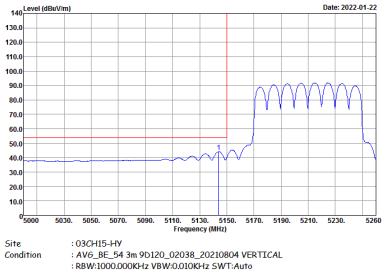
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

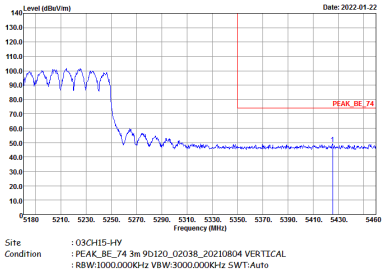
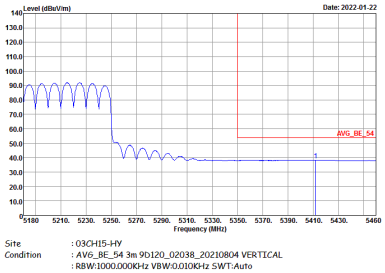
Band 1 5150~5250MHz

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

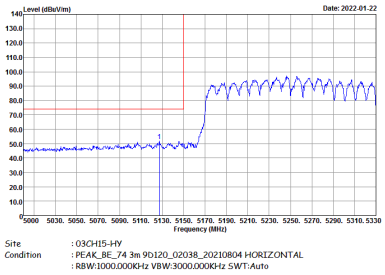
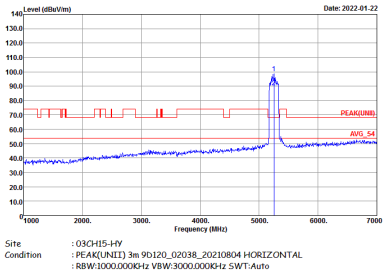
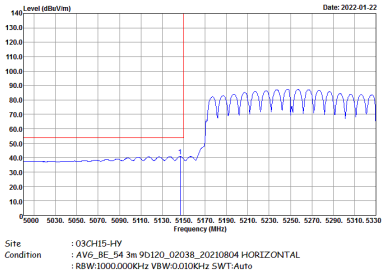
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

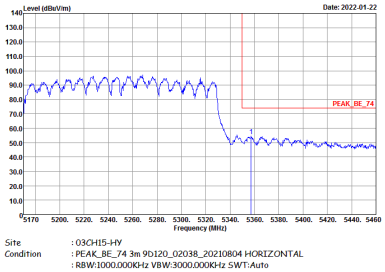
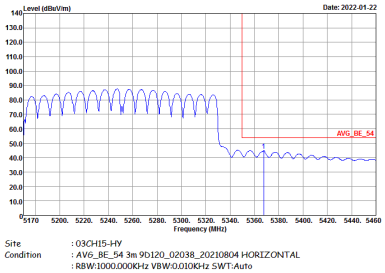
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

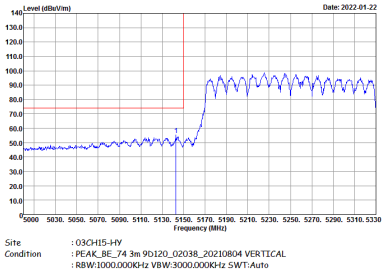
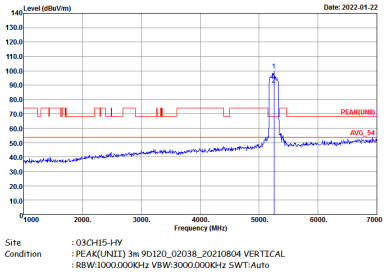
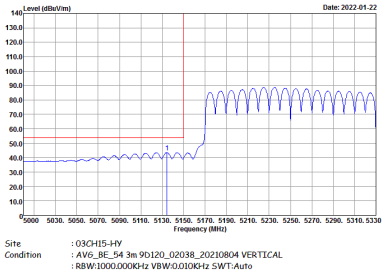
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

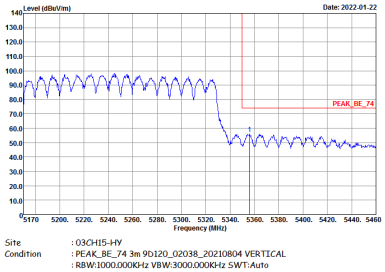
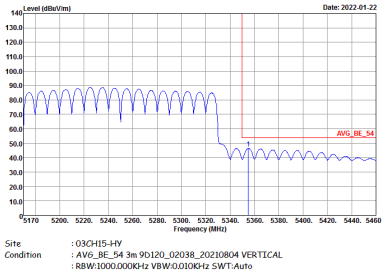
Band 1 5150~5250MHz

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

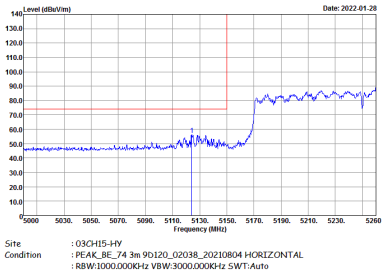
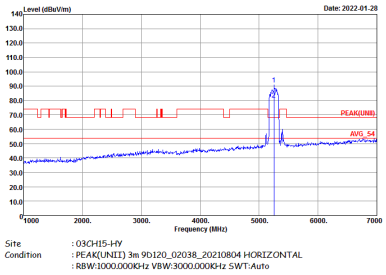
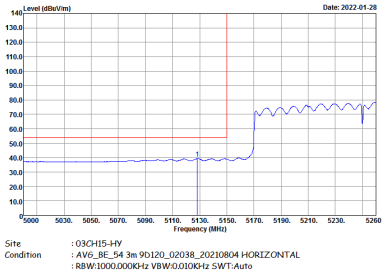
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

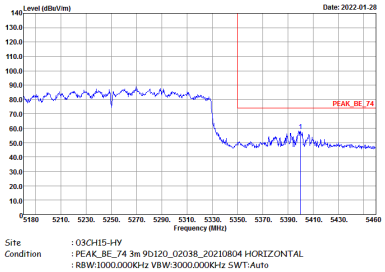
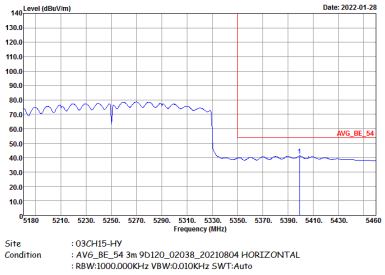
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

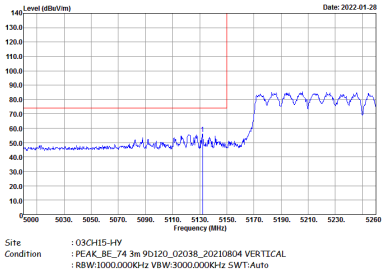
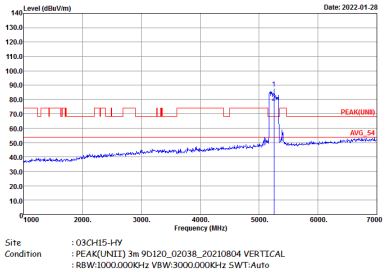
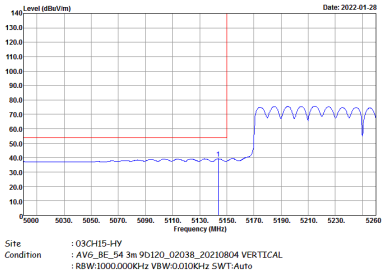
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

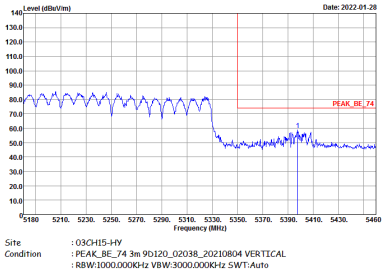
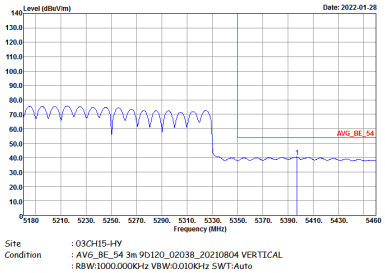
Band 1 5150~5250MHz

WIFI 802.11ax HE160 Partial 1992 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 1992/68 CH50 5250MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

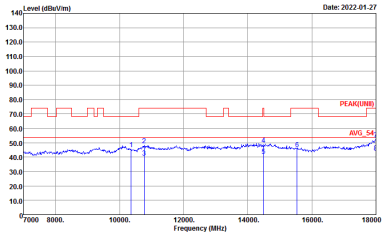
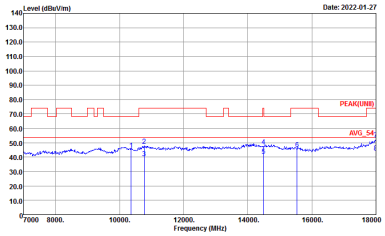
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 1992/68 CH50 5250MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

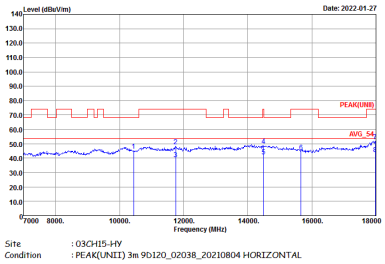
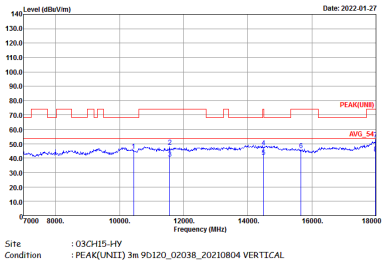
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 1992/68 CH50 5250MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

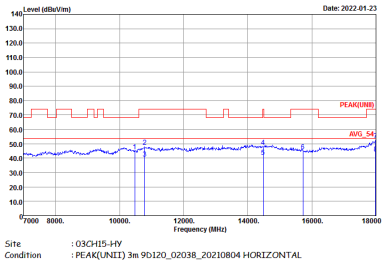
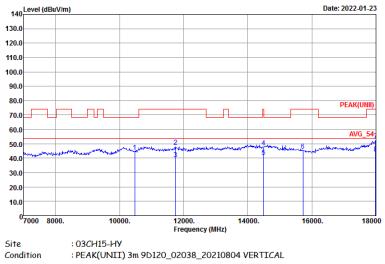
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 1992/68 CH50 5250MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

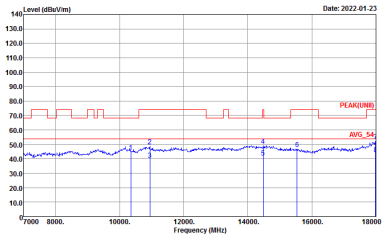
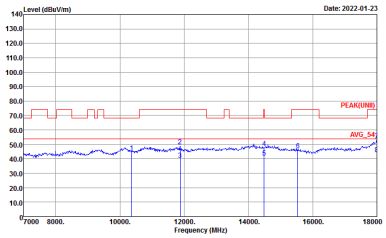
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

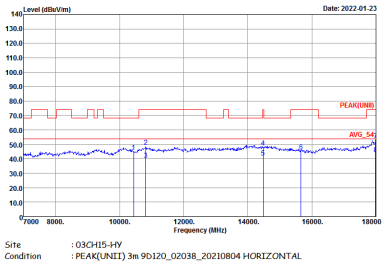
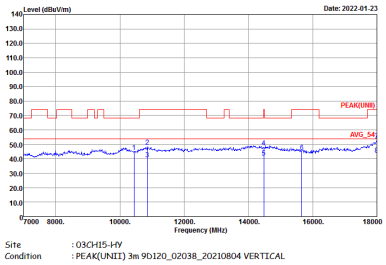
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

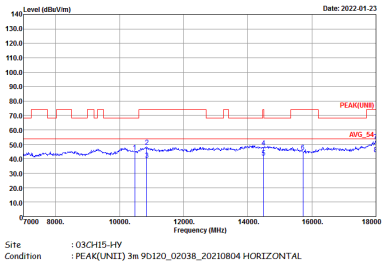
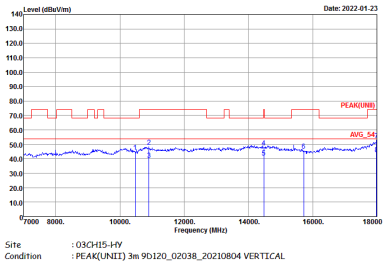
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

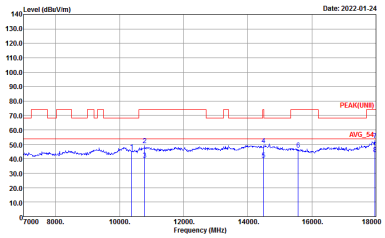
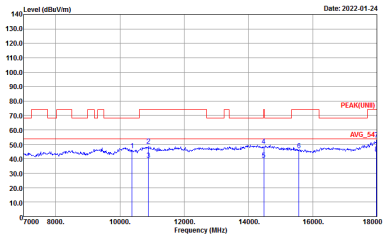
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

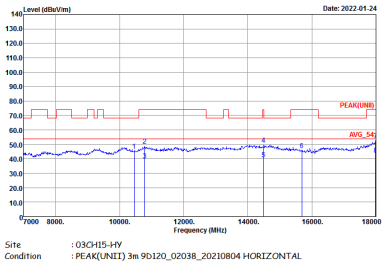
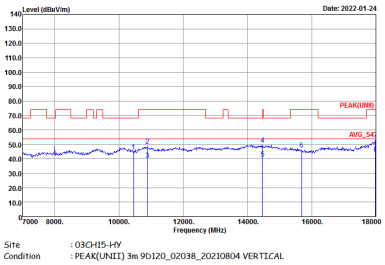
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 	

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

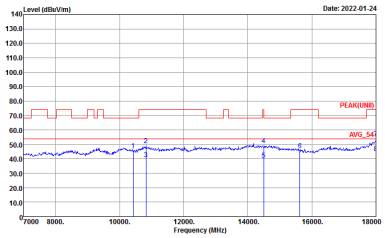
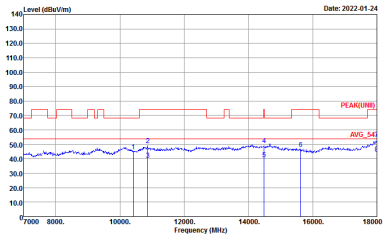
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	 	

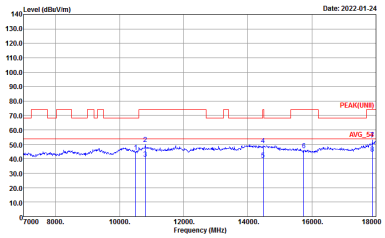
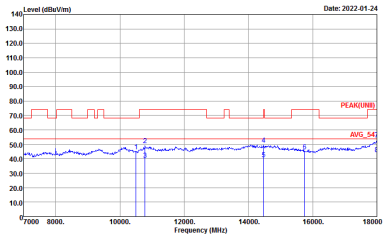
Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

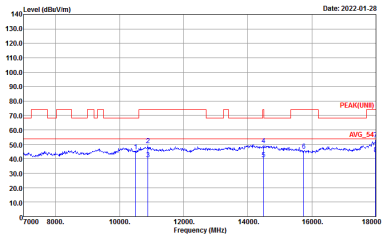
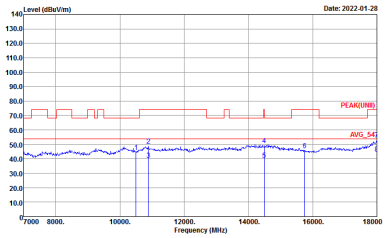
Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz	
1+2	Horizontal	Vertical
Peak Avg.		

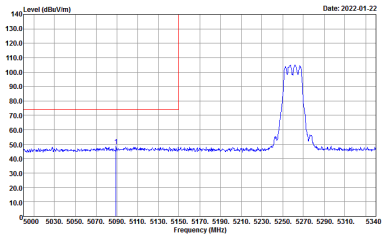
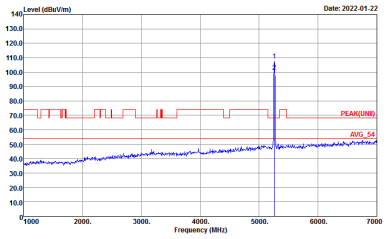
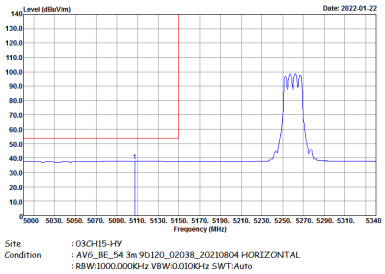
Band 1 5150~5250MHz

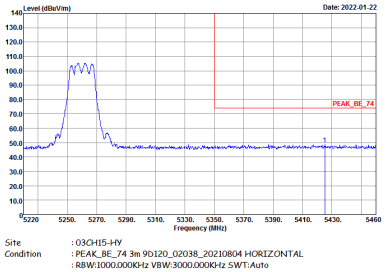
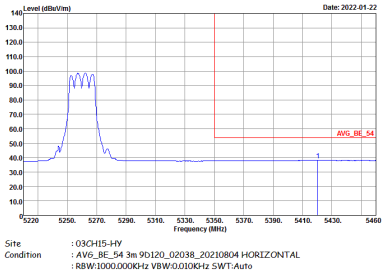
WIFI 802.11ax HE160 Partial 1992 (Harmonic @ 3m)

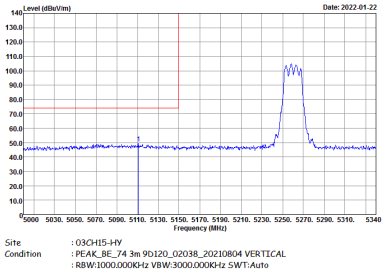
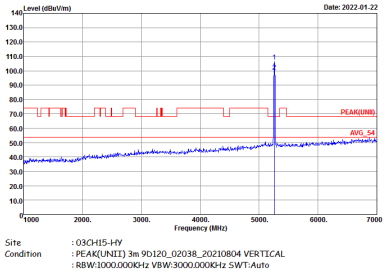
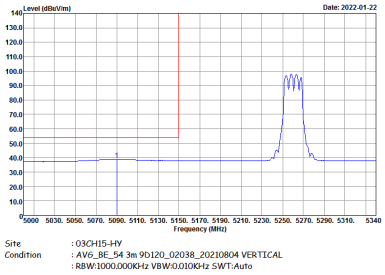
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE160 Partial 1992/68 CH50 5250MHz	
1+2	Horizontal	Vertical
Peak Avg.		

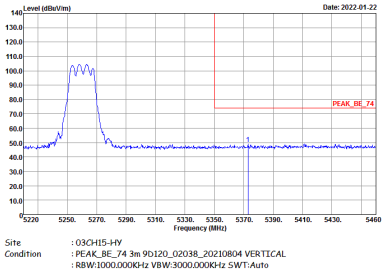
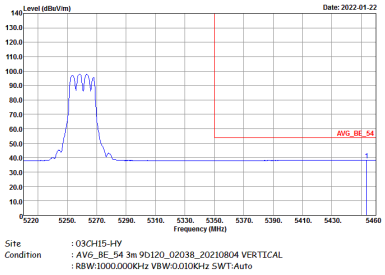
Band 2 - 5250~5350MHz

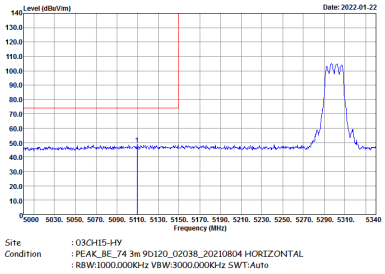
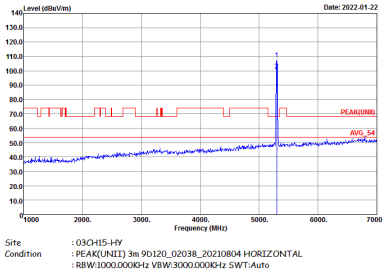
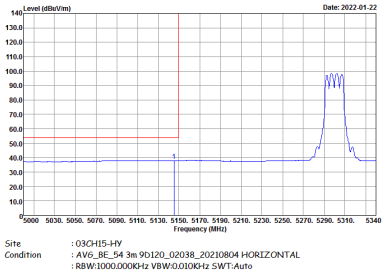
WIFI 802.11a (Band Edge @ 3m)

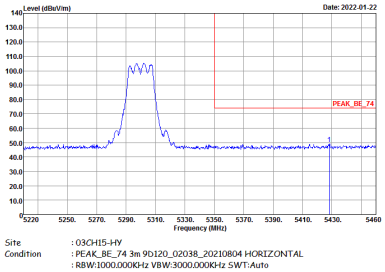
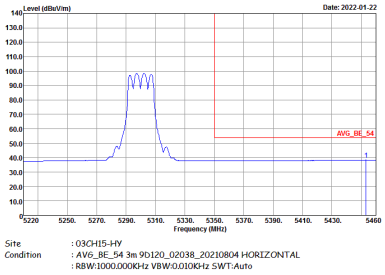
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

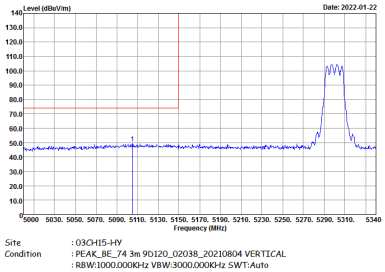
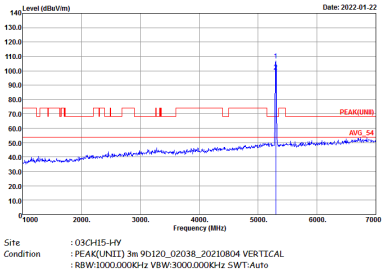
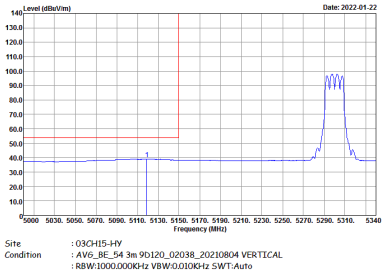
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

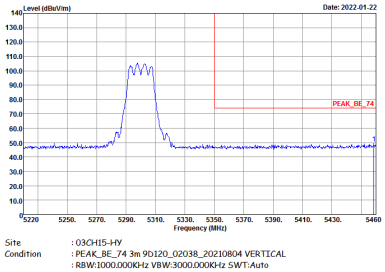
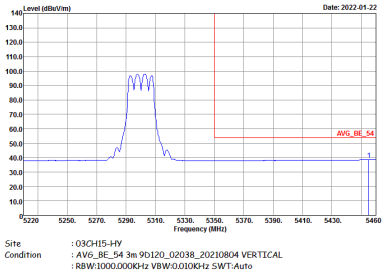
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

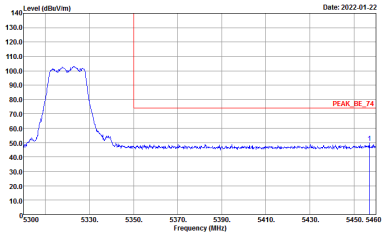
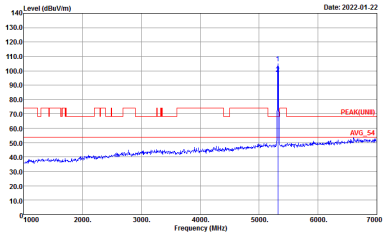
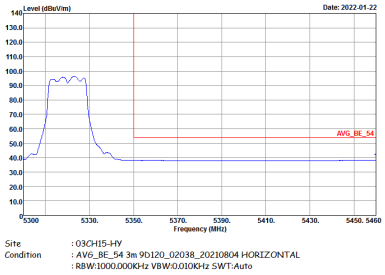
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

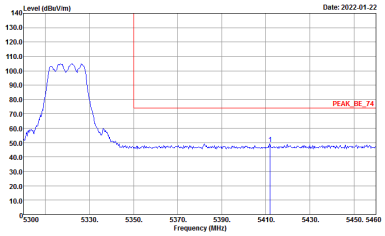
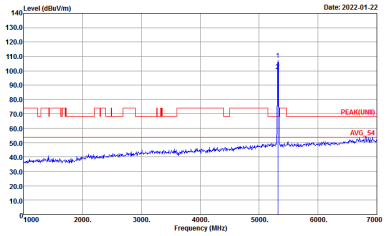
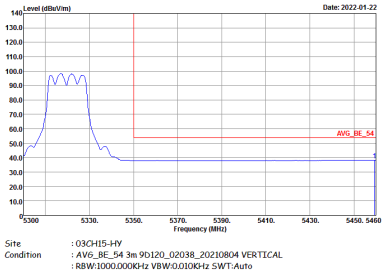
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

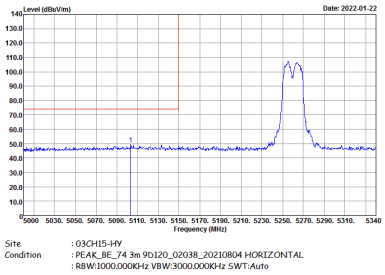
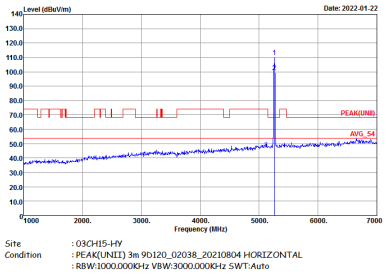
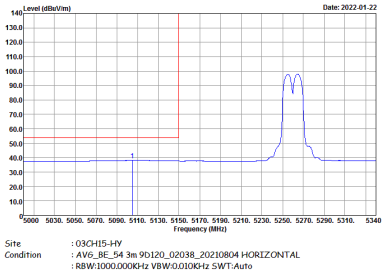
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

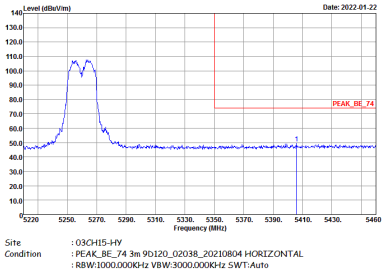
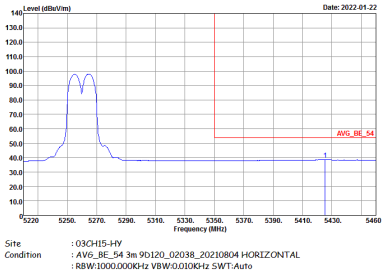
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

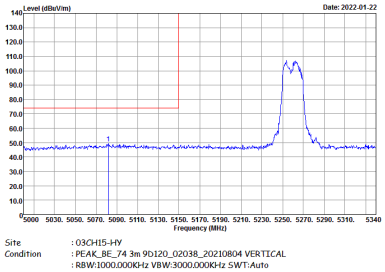
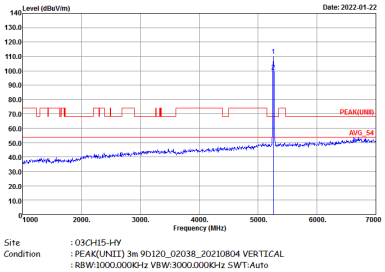
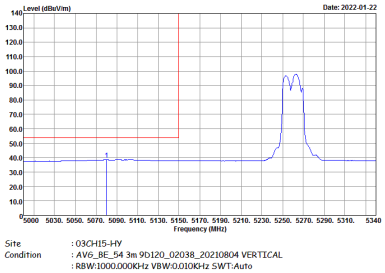
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

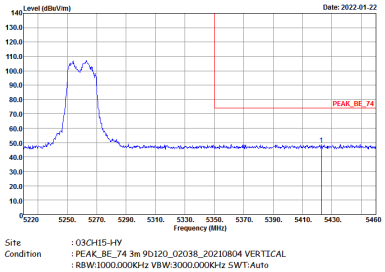
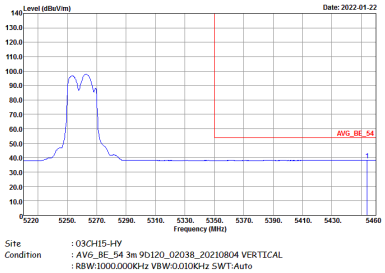
Band 2 5250~5350MHz

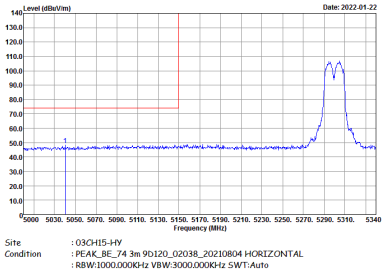
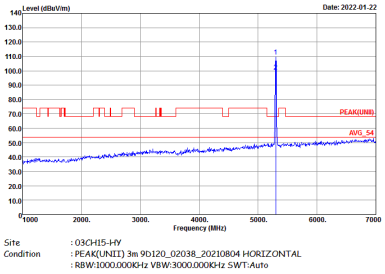
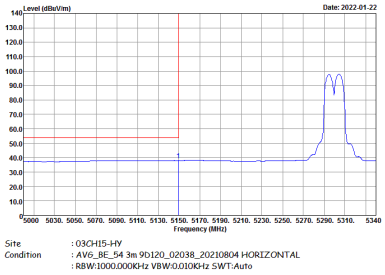
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

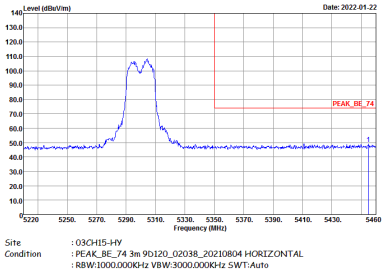
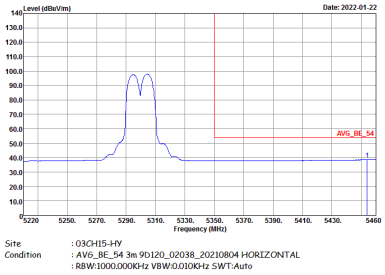
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

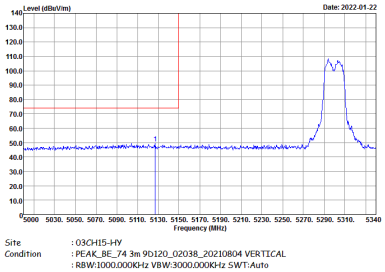
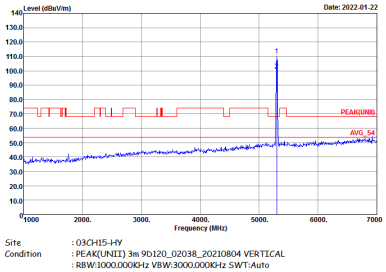
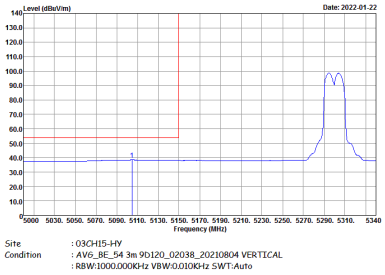
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

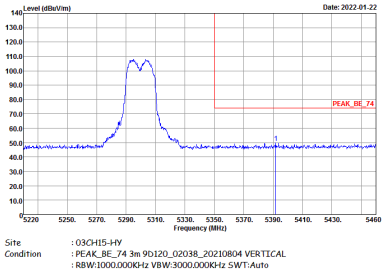
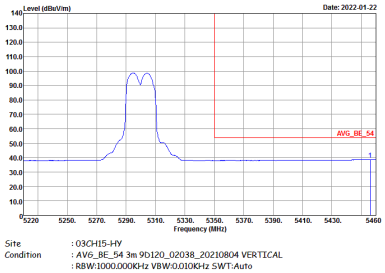
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

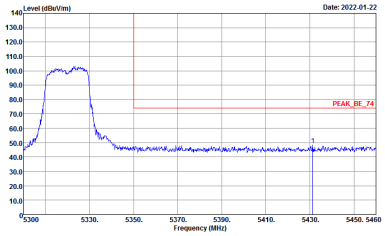
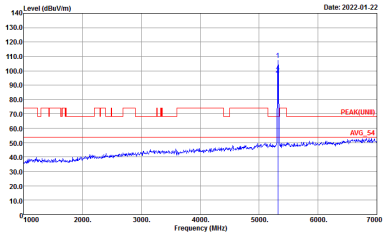
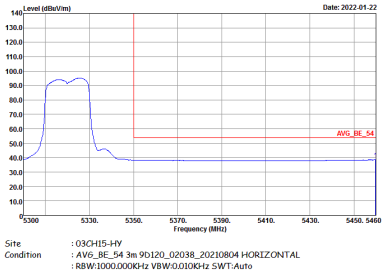
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

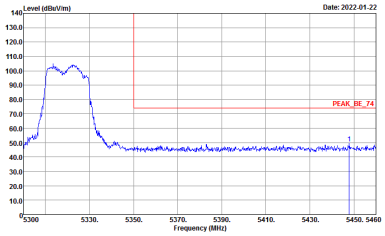
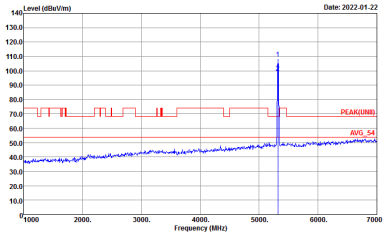
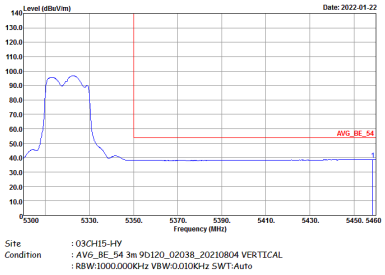
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

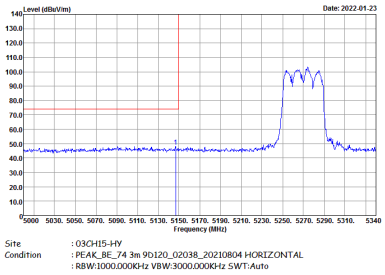
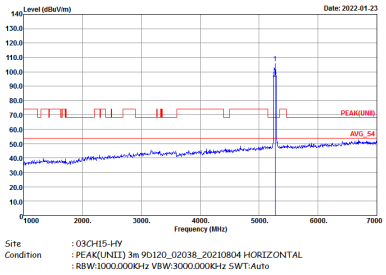
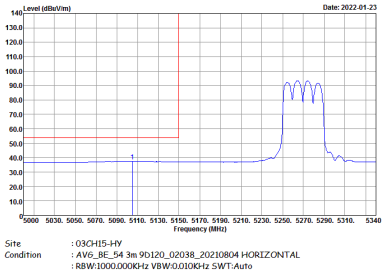
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

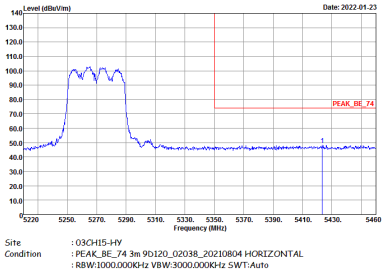
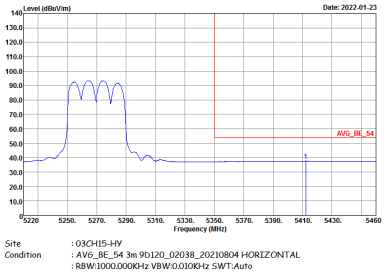
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

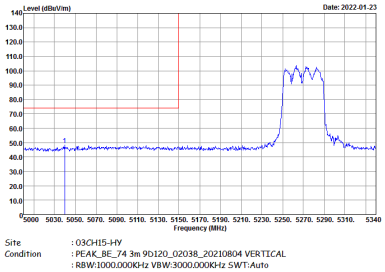
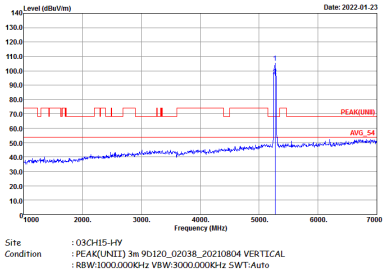
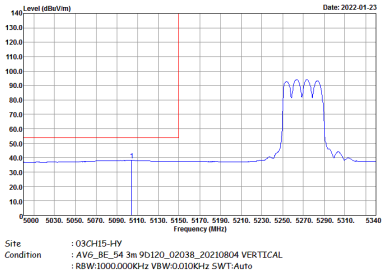
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

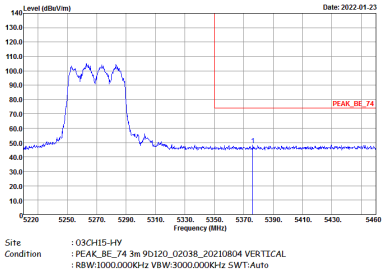
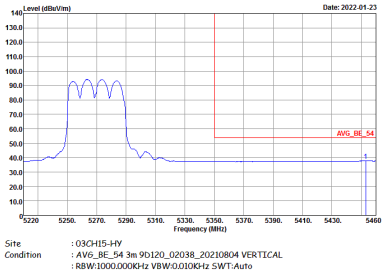
Band 2 - 5250~5350MHz

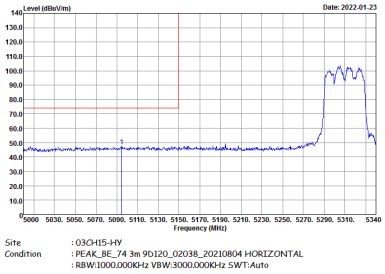
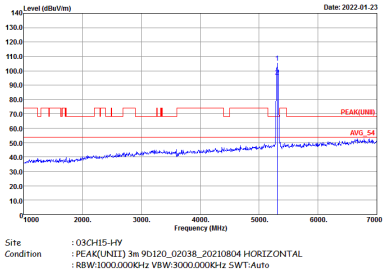
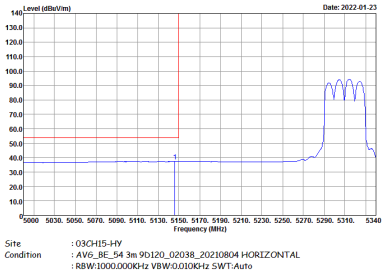
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

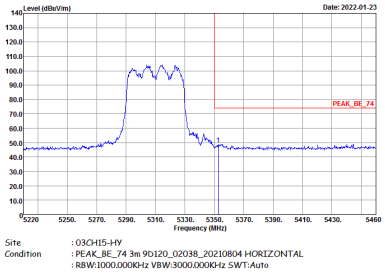
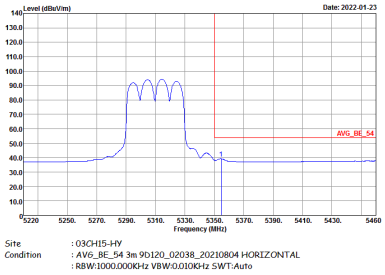
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

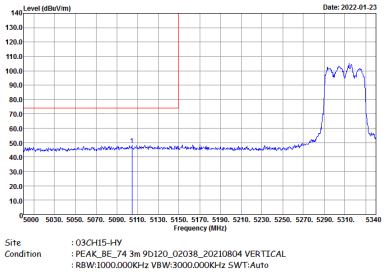
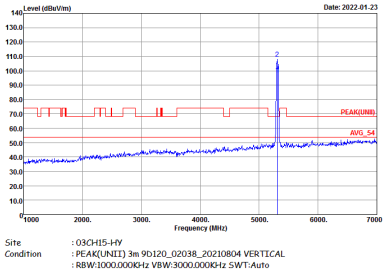
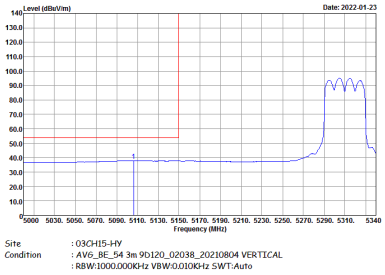
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

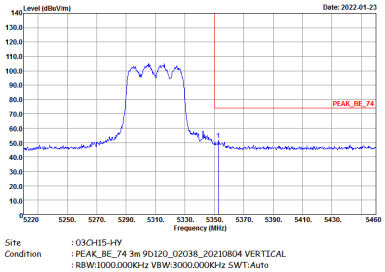
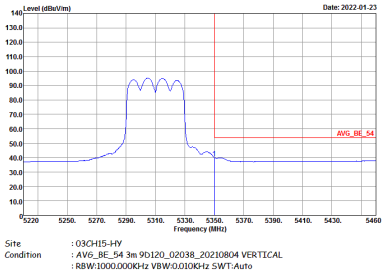
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

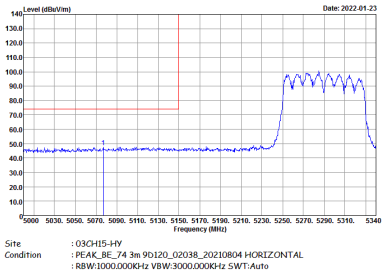
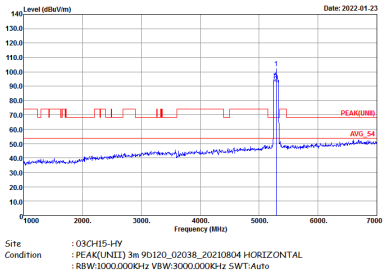
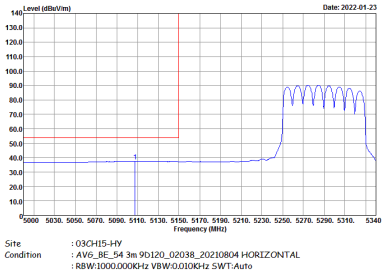
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

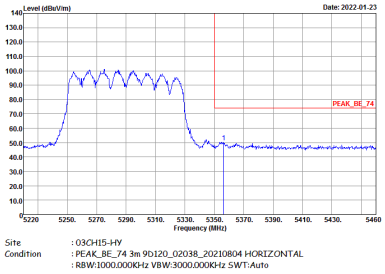
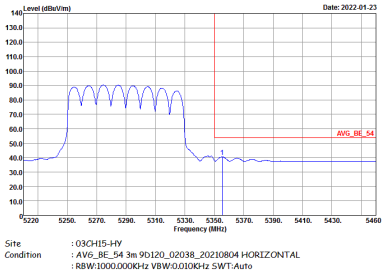
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

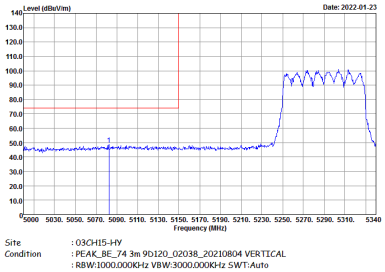
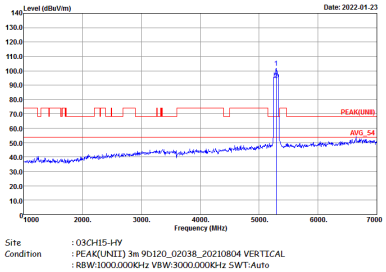
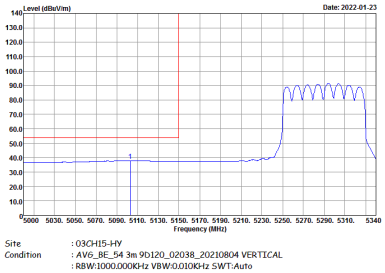
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

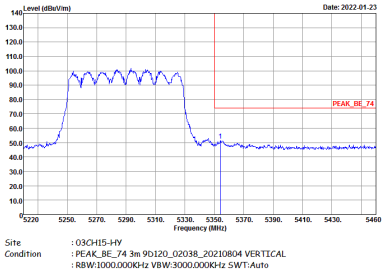
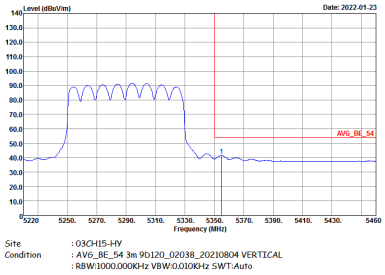
Band 2 5250~5350MHz

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

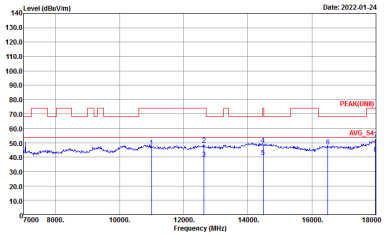
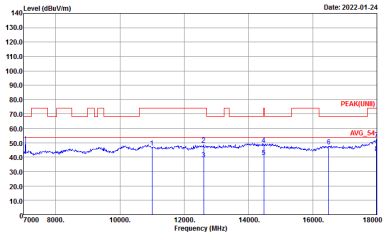
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

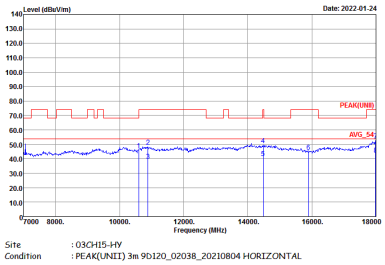
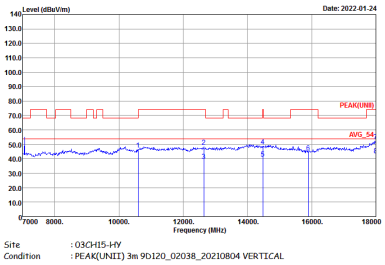
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

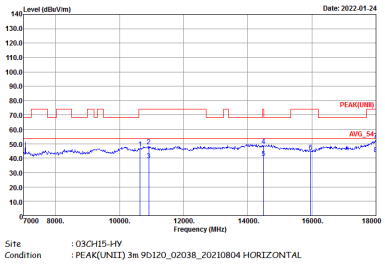
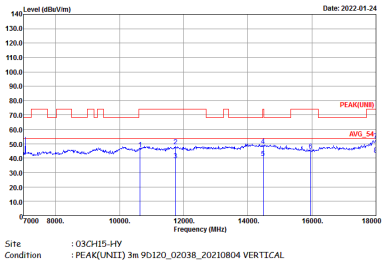
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

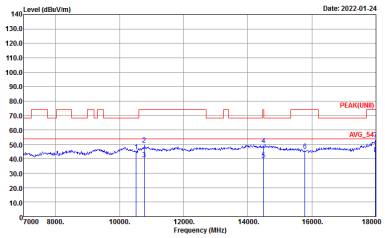
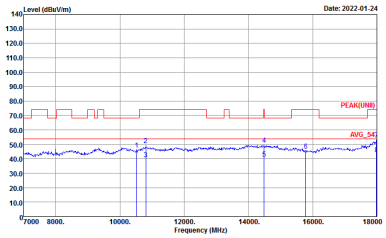
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

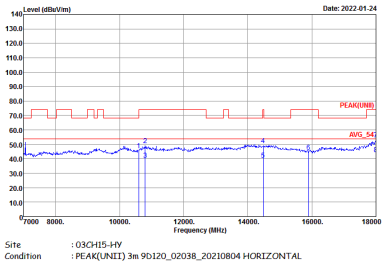
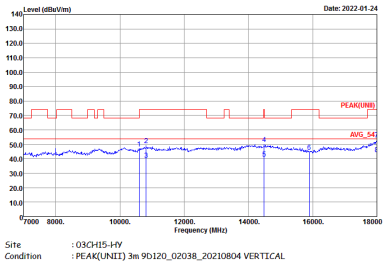
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 	

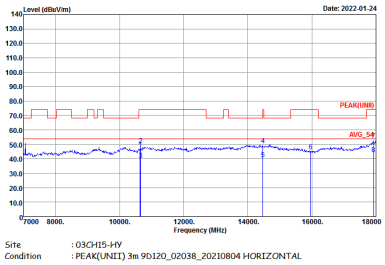
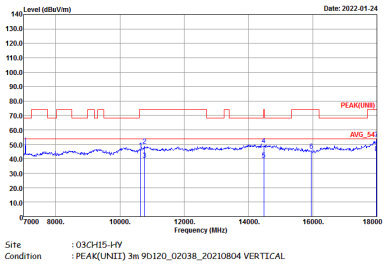
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

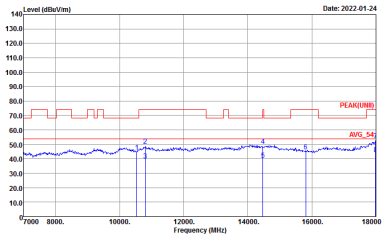
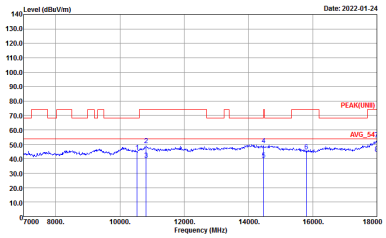
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

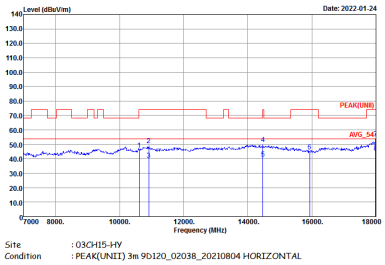
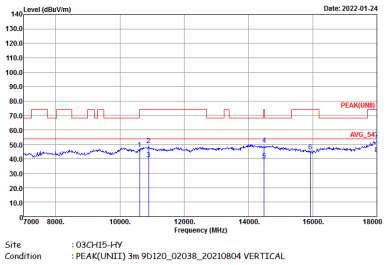
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

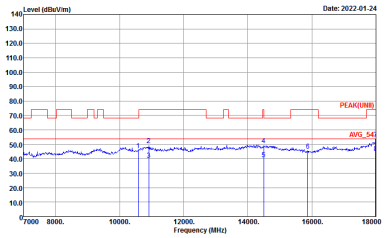
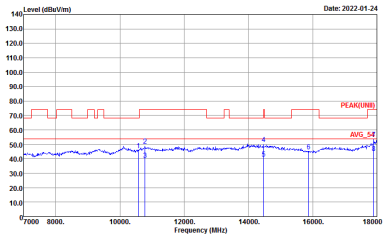
Band 2 - 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH54 5270	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH62 5310	
1+2	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	
1+2	Horizontal	Vertical
Peak Avg.