

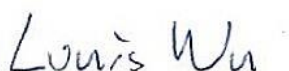


FCC RADIO TEST REPORT

FCC ID : 2AFZZ123G
Equipment : Mobile Phone
Brand Name : XIAOMI
Model Name : 2201123G
Applicant : Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle
Road, Haidian District, Beijing, China, 100085
Manufacturer : Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle
Road, Haidian District, Beijing, China, 100085
Standard : FCC Part 15 Subpart E §15.407

The product was received on Nov. 15, 2021 and testing was performed from Nov. 19, 2021 to Dec. 08, 2021. 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.



Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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History of this test report

Report No.	Version	Description	Issue Date
FR1N0901E	01	Initial issue of report	Dec. 20, 2021



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	3.64 dB under the limit at 5350.400 MHz
3.5	15.207	AC Conducted Emission	Pass	15.73 dB under the limit at 2.567 MHz
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

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: Lewis Ho

Report Producer: Vivian Hsu

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11ax, NFC, WPC/WPT, and GNSS.

Product Feature	
Sample 1	EMMC 8G + 256GB
Sample 2	EMMC 12G + 256GB
Sample 3	EMMC 8G + 128GB
Antenna Type	WWAN: PIFA Antenna WLAN 2.4GHz: <Ant. 16>: PIFA Antenna <Ant. 18>: PIFA Antenna WLAN 5GHz: <Ant. 17>: PIFA Antenna <Ant. 18>: PIFA Antenna WLAN 6GHz: <Ant. 17>: PIFA Antenna <Ant. 18>: PIFA Antenna Bluetooth: <Ant. 16>: PIFA Antenna <Ant. 18>: PIFA Antenna GPS/Glonass/BDS/Galileo/SBAS/QZSS: PIFA Antenna NFC: Planar Antenna WPC/WPT: Coil Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 17: -2.8 Ant. 18: -6.1
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 17: -2.5 Ant. 18: -5.0
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 17: -1.5 Ant. 18: -5.0

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. CO05-HY (TAF Code: 1190)
Remark	The Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. TH05-HY; 03CH20-HY

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

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find X plane and WPC Mode as worst plane.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58 [#]	5290		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106 [#]	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

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

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

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

Note:

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

2.2 Test Mode

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

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ac VHT160 (Covered by HE160)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Note:

1. Since the verify power, the smaller power can be covered by the higher power. The SISO Mode is covered by MIMO Mode.
2. For 802.11ax, since the verify power& PSD, the smaller power can be covered by the higher power. The Partial RU is covered by Full RU.

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + MPEG4 + USB Cable 1 (Charging from Adapter) for Sample 1
Remark: For Radiated Test Cases, the tests were performed with USB Cable 1 and 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

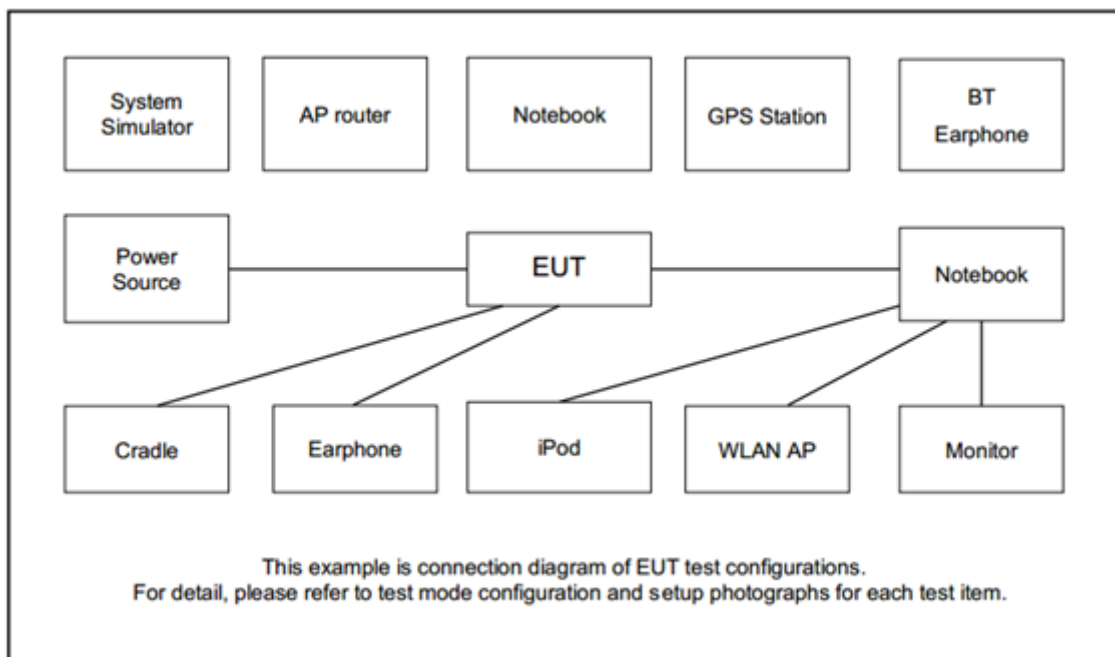
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

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	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Wireless Charger	YU-live	K8	N/A	N/A	N/A
4.	Notebook	Dell	Latitude5310	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
5.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m

2.5 EUT Operation Test Setup

The WLAN Tx test items, EUT (SW: MIUI13) get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

The Partial RU test items, utility “QSPR Version 5.0-00188” 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.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

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.

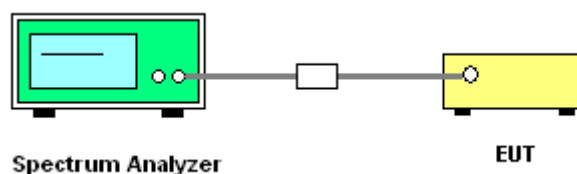
3.1.2 Measuring Instruments

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) $\geq 3 * RBW$.
8. Measure and record the results in the test report.

3.1.4 Test Setup

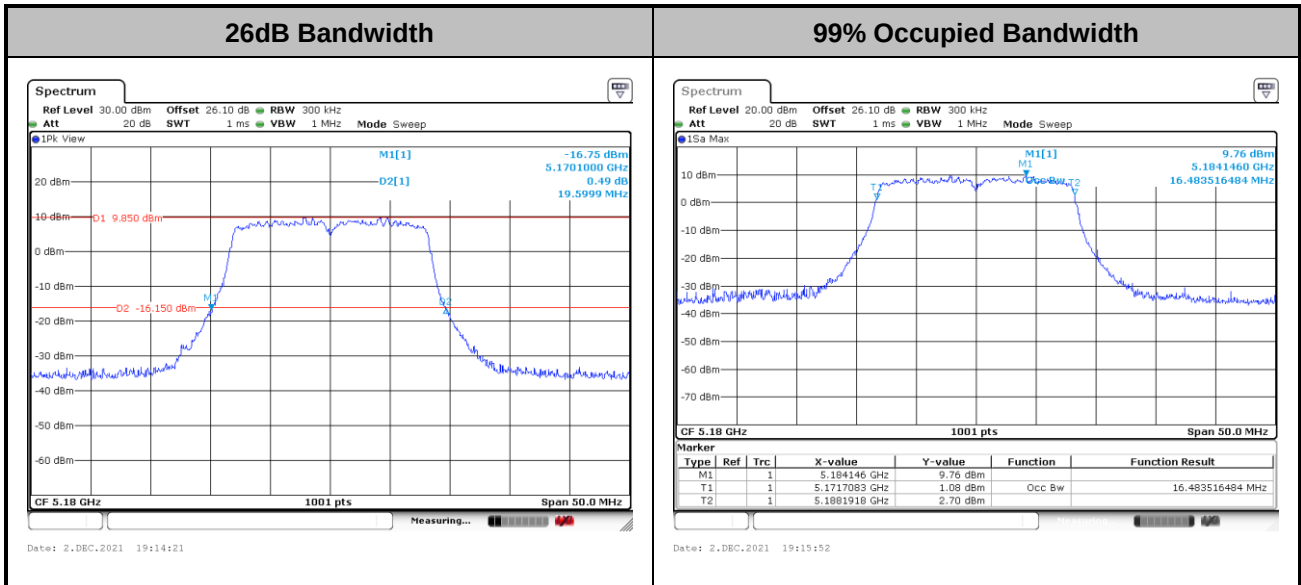


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

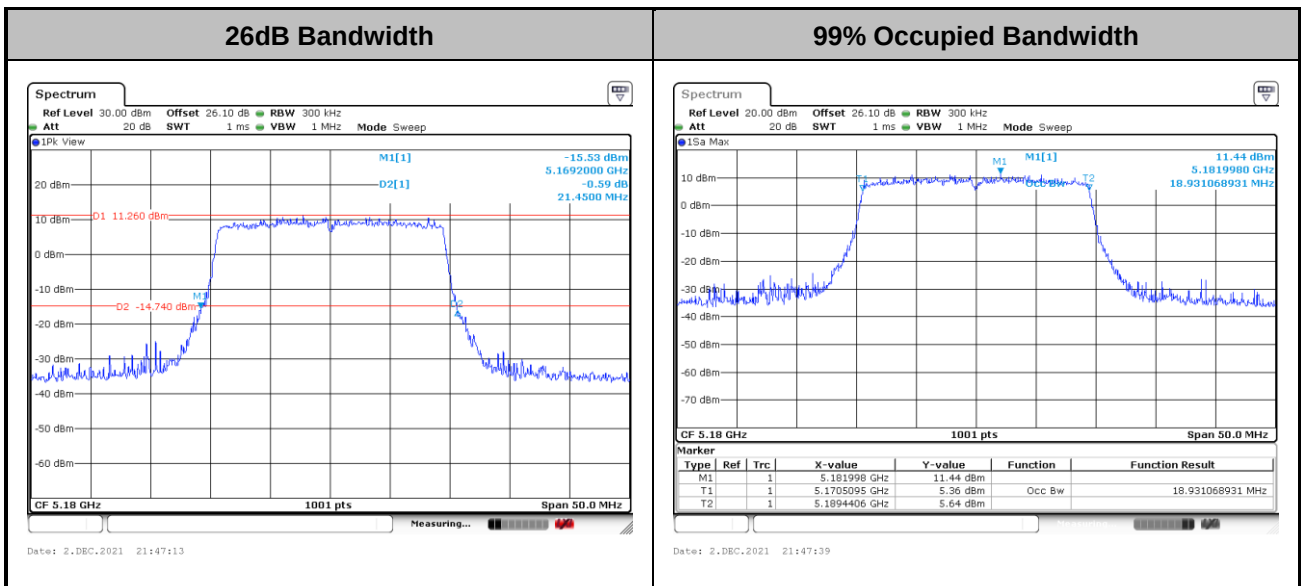


<802.11a Mode>



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

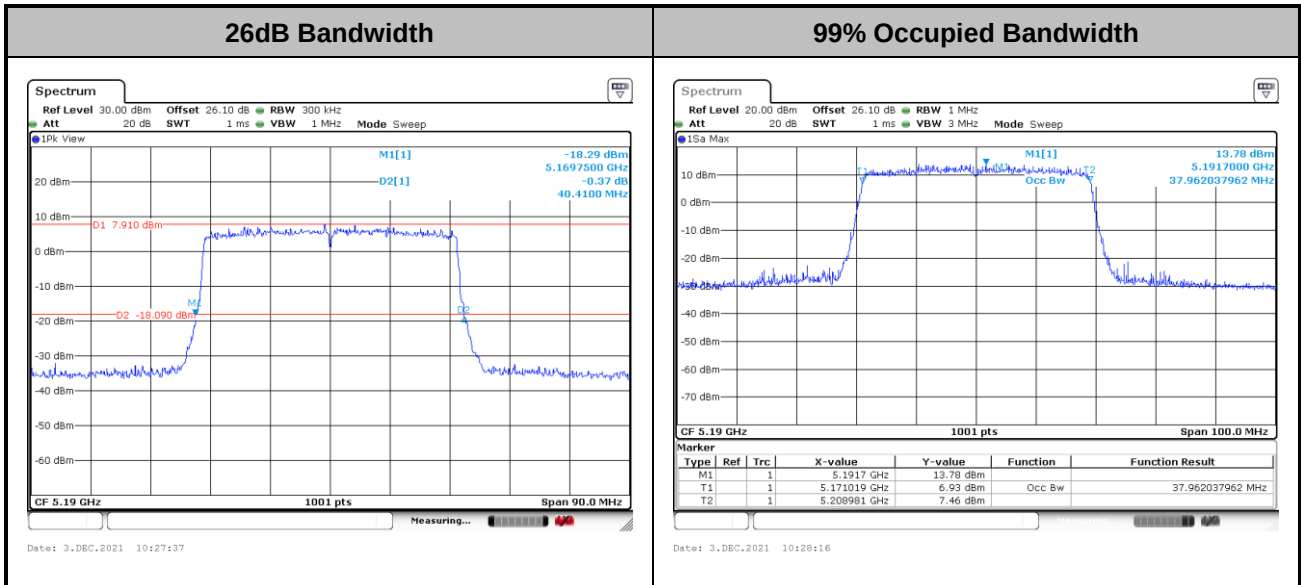
<802.11ax HE20 Mode>



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

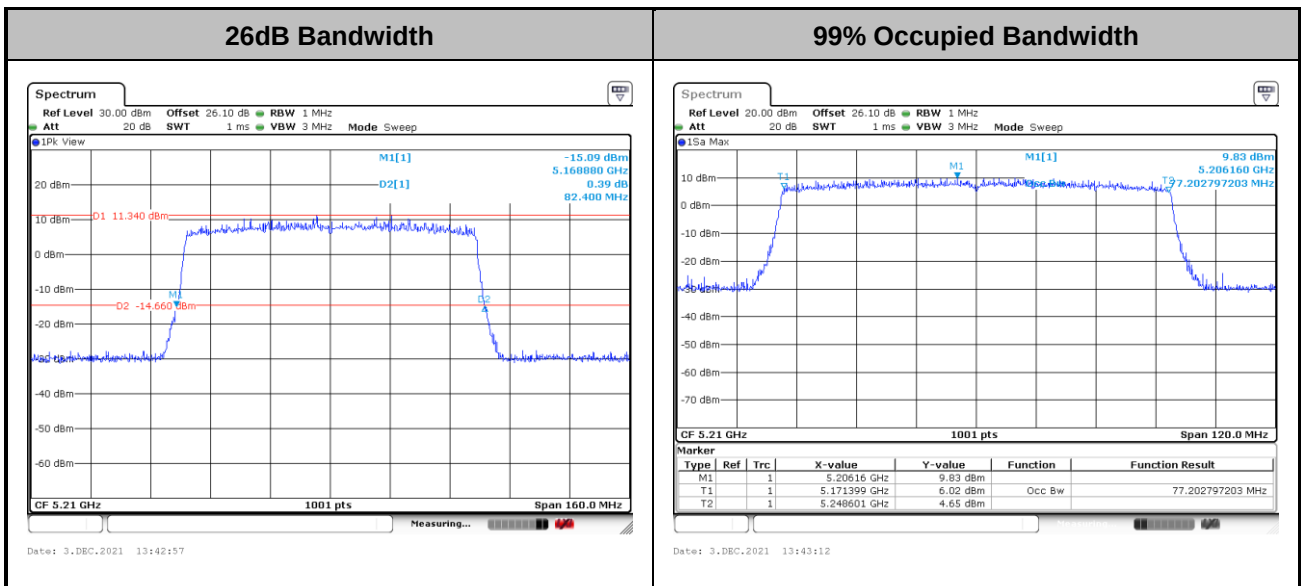


<802.11ax HE40 Mode>



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

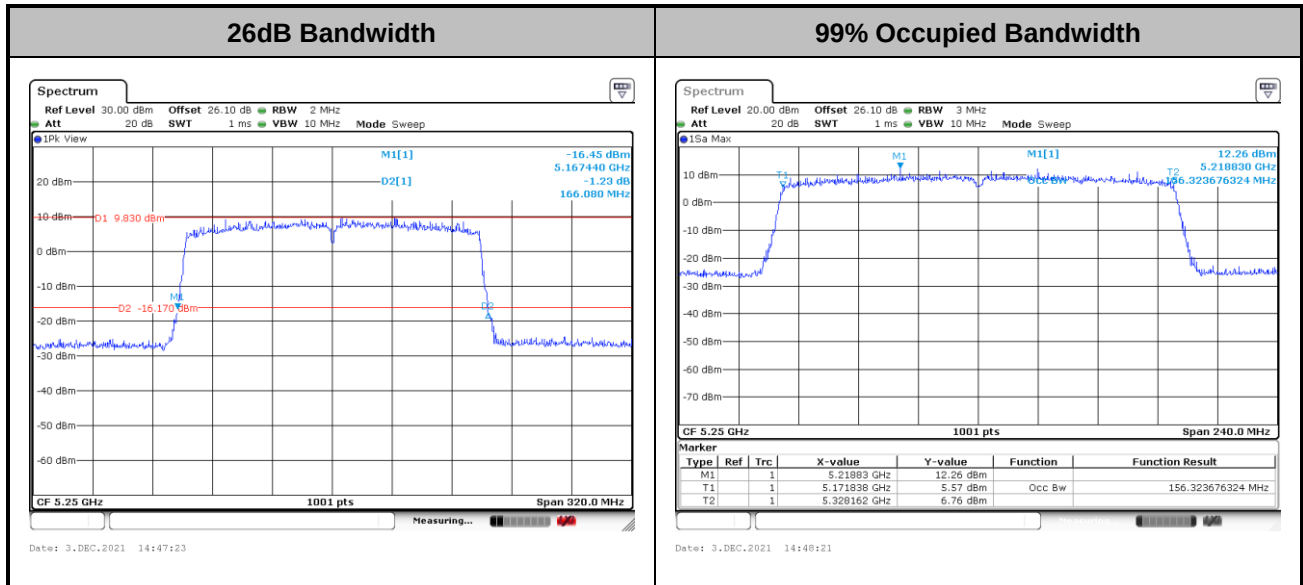
<802.11ax HE80 Mode>



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



<802.11ax HE160 Mode>



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 $11 \text{ dBm} + 10 \log B$, 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

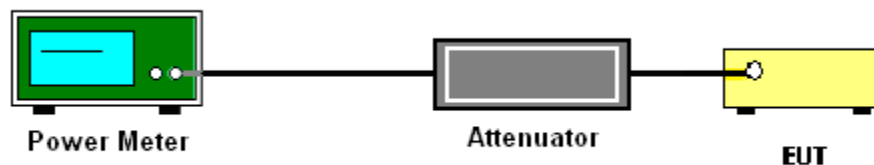
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

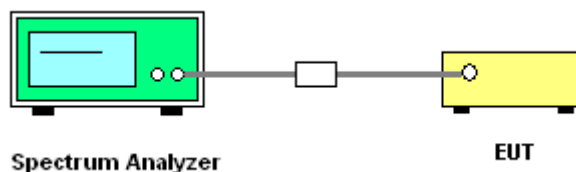
(power averaging (rms) detection with max hold):

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time $\leq$ (number of points in sweep) $\times$ 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 PSD 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

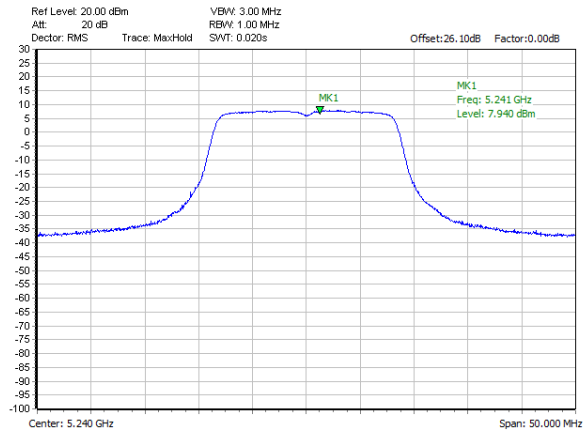
Please refer to Appendix A.



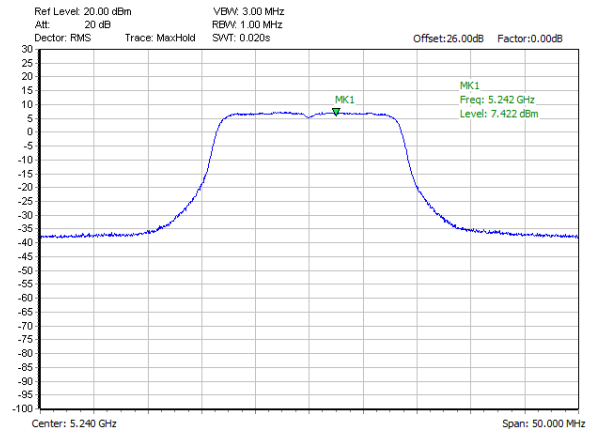
Worst Case Power Density (dBm/MHz)

802.11a CH48

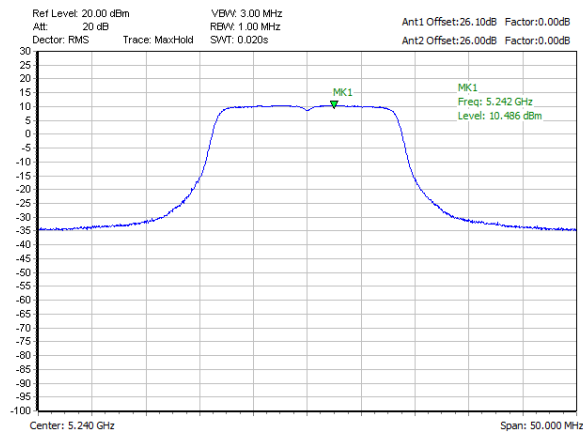
MIMO Ant. 17



MIMO Ant. 18



MIMO Ant. 17+18

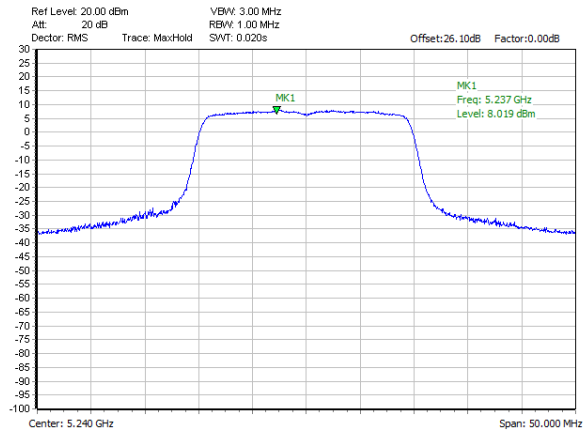




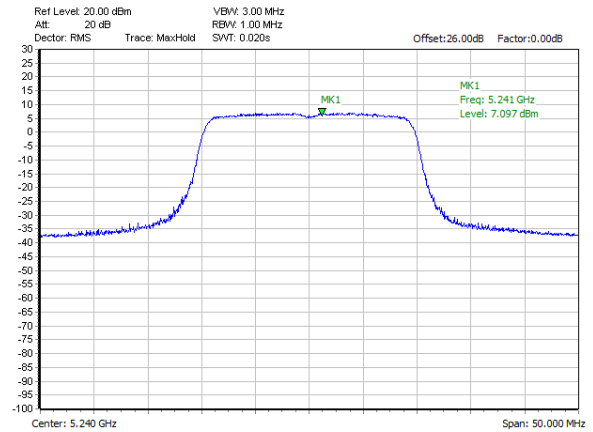
Worst Case Power Density (dBm/MHz)

802.11ax HE20 CH48

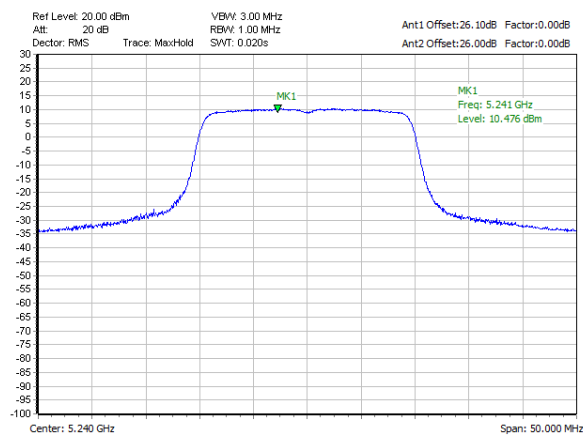
MIMO Ant. 17



MIMO Ant. 18



MIMO Ant. 17+18



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.

$$E = \frac{1000000\sqrt{30P}}{3} \text{ } \mu\text{V/m, where P is the eirp (Watts)}$$

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

- 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

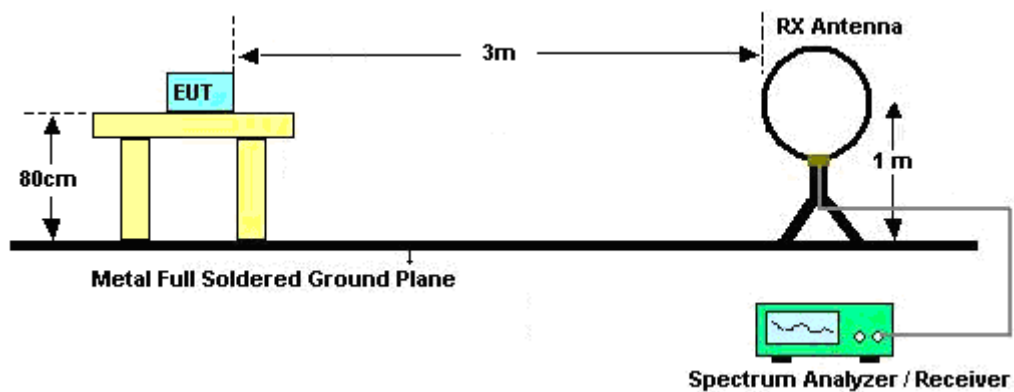
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

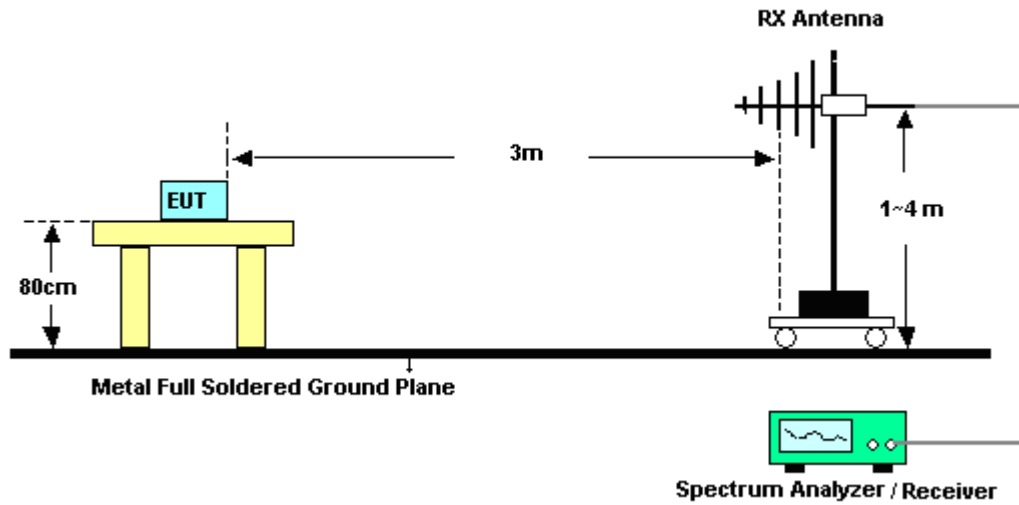
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

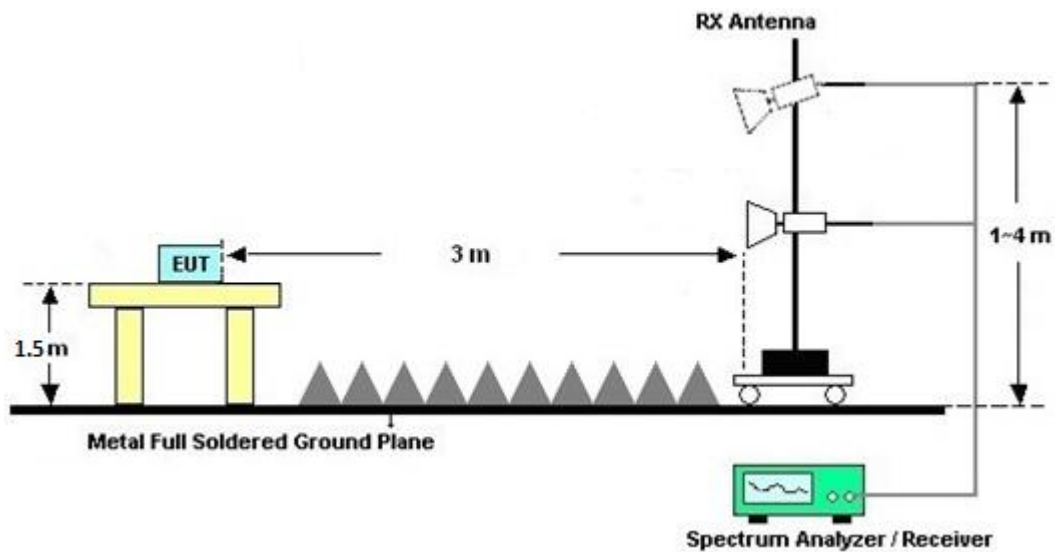
For radiated emissions below 30MHz



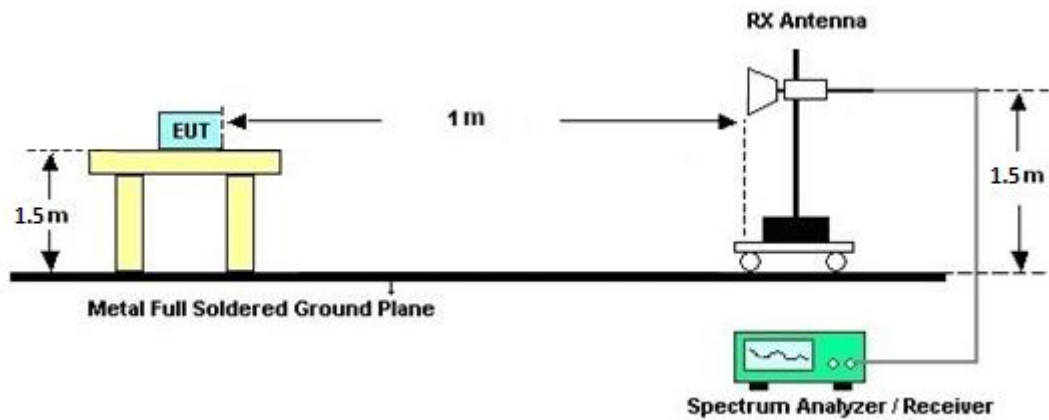
For radiated emissions from 30MHz to 1GHz



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 (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

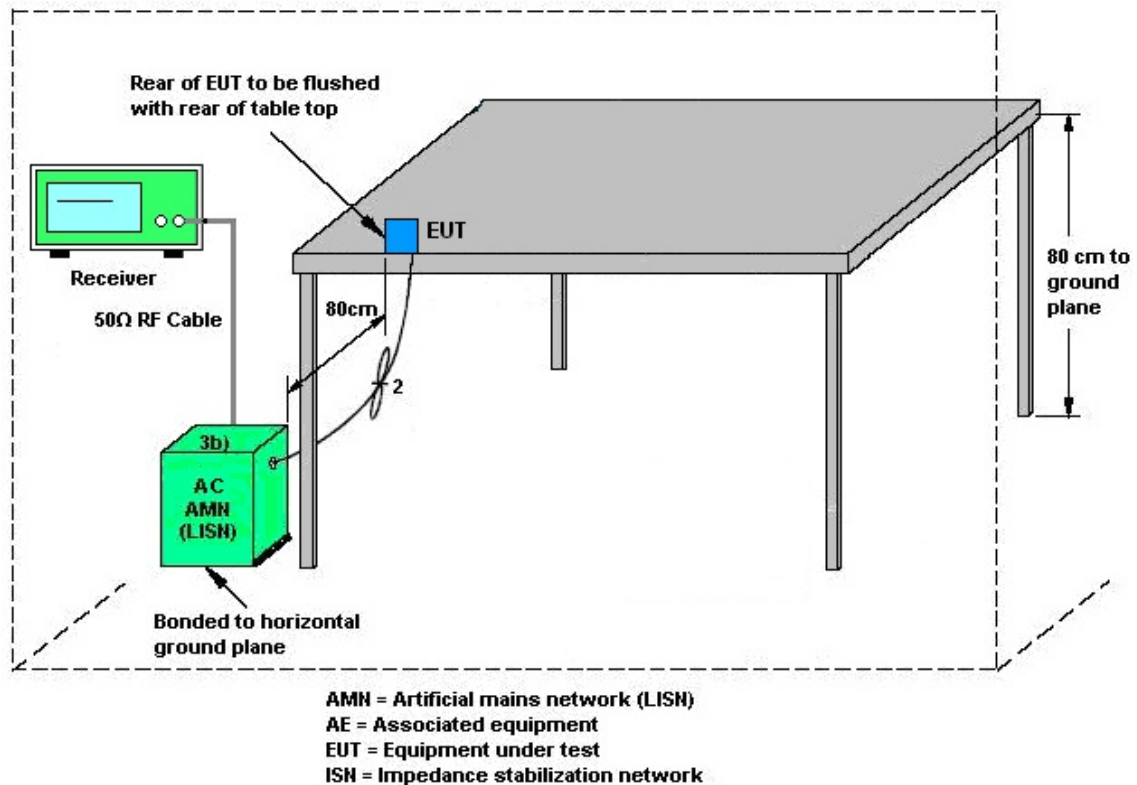
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

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

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.

<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 17	Ant. 18	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	-2.80	-6.10	-2.80	-1.28	0.00	0.00
Band II	-2.50	-5.00	-2.50	-0.65	0.00	0.00
Band III	-1.50	-5.00	-1.50	-0.06	0.00	0.00

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

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



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9010B	MY60241055	10Hz~44GHz	Jul. 12, 2021	Nov. 22, 2021~Dec. 08, 2021	Jul. 11, 2022	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 04, 2021	Nov. 22, 2021~Dec. 08, 2021	Jan. 03, 2022	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 15, 2021	Nov. 22, 2021~Dec. 08, 2021	Nov. 14, 2022	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 22, 2021	Nov. 22, 2021~Dec. 08, 2021	Jun. 21, 2022	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Nov. 22, 2021~Dec. 08, 2021	Jan. 03, 2022	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802N1 D01N-06	55606 & 08	30MHz~1GHz	Oct. 17, 2021	Nov. 22, 2021~Dec. 08, 2021	Oct. 16, 2022	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2021	Nov. 22, 2021~Dec. 08, 2021	Jun. 22, 2022	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00991	18GHz-40GHz	May 12, 2021	Nov. 22, 2021~Dec. 08, 2021	May 11, 2022	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303B	TP200728	N/A	Mar. 09, 2021	Nov. 22, 2021~Dec. 08, 2021	Mar. 08, 2022	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804015/2,804027/2	N/A	Jan. 20, 2021	Nov. 22, 2021~Dec. 08, 2021	Jan. 19, 2022	Radiation (03CH20-HY)
1.53GHz Low Pass Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN27	N/A	May 25, 2021	Nov. 22, 2021~Dec. 08, 2021	May 24, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN8	N/A	Mar. 26, 2021	Nov. 22, 2021~Dec. 08, 2021	Mar. 25, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHKX8-6090-7000-18000-40SS	SN99	N/A	Nov. 04, 2021	Nov. 22, 2021~Dec. 08, 2021	Nov. 03, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WRCQV14-5425-5825-6525-6925-60SS	SN2	N/A	Jan. 08, 2021	Nov. 22, 2021~Dec. 08, 2021	Jan. 07, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WRCQV14-6025-6425-7125-7525-60SS	SN1	N/A	Jan. 08, 2021	Nov. 22, 2021~Dec. 08, 2021	Jan. 07, 2022	Radiation (03CH20-HY)
Filter	Wainwright	WHW2-7100-10000-18000-40CC	SN3	N/A	May 25, 2021	Nov. 22, 2021~Dec. 08, 2021	May 24, 2022	Radiation (03CH20-HY)
Software	Audix	E3 6.2009-8-24	RK-002156	N/A	N/A	Nov. 22, 2021~Dec. 08, 2021	N/A	Radiation (03CH20-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 22, 2021~Dec. 08, 2021	N/A	Radiation (03CH20-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 22, 2021~Dec. 08, 2021	N/A	Radiation (03CH20-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 22, 2021~Dec. 08, 2021	N/A	Radiation (03CH20-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 19, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Nov. 19, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	TECPEL	DTM-303A	TP201973	N/A	Oct. 22, 2021	Nov. 19, 2021	Oct. 21, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	Nov. 19, 2021	Nov. 30, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 19, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Nov. 19, 2021	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Nov. 19, 2021	Dec. 30, 2021	Conduction (CO05-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	Nov. 24, 2021~ Dec. 06, 2021	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO 31(NO:182)	10MHz~6GHz	Dec. 30, 2020	Nov. 24, 2021~ Dec. 06, 2021	Dec. 29, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Nov. 24, 2021~ Dec. 06, 2021	Aug. 29, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW191204(B OX8)	N/A	Jan. 07, 2021	Nov. 24, 2021~ Dec. 06, 2021	Jan. 06, 2022	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.1 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.9 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Jacob Yu	Temperature:	22.2~24.1	°C
Test Date:	2021/11/24-2021/12/6	Relative Humidity:	48.2~52.2	%

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		Note
					Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	
11a	6Mbps	2	36	5180	16.48	16.43	19.60	19.45	-	-	22.16	-	
11a	6Mbps	2	44	5220	16.43	16.43	19.60	19.50	-	-	22.16	-	
11a	6Mbps	2	48	5240	16.48	16.43	20.00	19.50	-	-	22.16	-	

TEST RESULTS DATA
Average Power Table

Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18	
11a	6Mbps	2	36	5180	18.40	17.50	20.98	24.00		-2.80		Pass
11a	6Mbps	2	44	5220	18.50	17.60	21.08	24.00		-2.80		Pass
11a	6Mbps	2	48	5240	18.50	17.70	21.13	24.00		-2.80		Pass
HT20	MCS0	2	36	5180	18.20	17.30	20.78	24.00		-2.80		Pass
HT20	MCS0	2	44	5220	18.10	17.20	20.68	24.00		-2.80		Pass
HT20	MCS0	2	48	5240	18.30	17.50	20.93	24.00		-2.80		Pass
HT40	MCS0	2	38	5190	18.20	17.30	20.78	24.00		-2.80		Pass
HT40	MCS0	2	46	5230	18.10	17.20	20.68	24.00		-2.80		Pass
VHT20	MCS0	2	36	5180	18.10	17.20	20.68	24.00		-2.80		Pass
VHT20	MCS0	2	44	5220	18.00	17.10	20.58	24.00		-2.80		Pass
VHT20	MCS0	2	48	5240	18.20	17.40	20.83	24.00		-2.80		Pass
VHT40	MCS0	2	38	5190	18.10	17.20	20.68	24.00		-2.80		Pass
VHT40	MCS0	2	46	5230	18.00	17.10	20.58	24.00		-2.80		Pass
VHT80	MCS0	2	42	5210	17.20	16.60	19.92	24.00		-2.80		Pass
VHT160	MCS0	2	50	5250	16.40	15.70	19.07	24.00		-2.80		Pass

TEST RESULTS DATA
Power Spectral Density

Band I MIMO												
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18	
11a	6Mbps	2	36	5180	-		10.22	11.00	-1.28	-	Pass	
11a	6Mbps	2	44	5220			10.44	11.00	-1.28		Pass	
11a	6Mbps	2	48	5240			10.49	11.00	-1.28		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)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		26dB Bandwidth Power Limit (dBm)		Note
					Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	
11a	6Mbps	2	52	5260	16.48	16.43	19.70	19.53	23.16		29.16		23.91		
11a	6Mbps	2	60	5300	16.43	16.38	19.70	19.50	23.14		29.14		23.90		
11a	6Mbps	2	64	5320	16.48	16.43	19.80	19.45	23.16		29.16		23.89		

TEST RESULTS DATA
Average Power Table

Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
11a	6Mbps	2	52	5260	18.40	17.60	21.03	23.91		-2.50		26.99	Pass
11a	6Mbps	2	60	5300	18.10	17.20	20.68	23.90		-2.50		26.99	Pass
11a	6Mbps	2	64	5320	18.30	17.20	20.80	23.89		-2.50		26.99	Pass
HT20	MCS0	2	52	5260	18.20	17.30	20.78	23.98		-2.50		26.99	Pass
HT20	MCS0	2	60	5300	18.50	17.60	21.08	23.98		-2.50		26.99	Pass
HT20	MCS0	2	64	5320	18.40	17.50	20.98	23.98		-2.50		26.99	Pass
HT40	MCS0	2	54	5270	18.20	17.30	20.78	23.98		-2.50		26.99	Pass
HT40	MCS0	2	62	5310	18.40	17.50	20.98	23.98		-2.50		26.99	Pass
VHT20	MCS0	2	52	5260	18.10	17.20	20.68	23.98		-2.50		26.99	Pass
VHT20	MCS0	2	60	5300	18.40	17.50	20.98	23.98		-2.50		26.99	Pass
VHT20	MCS0	2	64	5320	18.30	17.40	20.88	23.98		-2.50		26.99	Pass
VHT40	MCS0	2	54	5270	18.10	17.20	20.68	23.98		-2.50		26.99	Pass
VHT40	MCS0	2	62	5310	18.30	17.40	20.88	23.98		-2.50		26.99	Pass
VHT80	MCS0	2	58	5290	17.20	16.20	19.74	23.98		-2.50		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO												
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18	
11a	6Mbps	2	52	5260	-		10.41	11.00	-0.65	-	Pass	
11a	6Mbps	2	60	5300			10.16	11.00	-0.65		Pass	
11a	6Mbps	2	64	5320			10.19	11.00	-0.65		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)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18
11a	6Mbps	2	100	5500	16.43	16.43	19.65	19.55	23.16		29.16		23.91		----	----
11a	6Mbps	2	116	5580	16.43	16.43	19.85	19.50	23.16		29.16		23.90		----	----
11a	6Mbps	2	140	5700	16.43	16.43	19.60	19.55	23.16		29.16		23.91		----	----

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)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)
					Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17
11a	6Mbps	2	144	5720	13.29	13.24	14.95	14.70	22.22		28.22		22.67		3.2 3.2

TEST RESULTS DATA
Average Power Table

Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
11a	6Mbps	2	100	5500	17.30	18.20	20.78	23.91		-1.50		26.99	Pass
11a	6Mbps	2	116	5580	17.50	18.30	20.93	23.90		-1.50		26.99	Pass
11a	6Mbps	2	140	5700	17.40	18.20	20.83	23.91		-1.50		26.99	Pass
HT20	MCS0	2	100	5500	17.60	18.50	21.08	23.98		-1.50		26.99	Pass
HT20	MCS0	2	116	5580	17.30	18.20	20.78	23.98		-1.50		26.99	Pass
HT20	MCS0	2	140	5700	16.60	17.50	20.08	23.98		-1.50		26.99	Pass
HT40	MCS0	2	102	5510	17.10	18.00	20.58	23.98		-1.50		26.99	Pass
HT40	MCS0	2	110	5550	17.00	17.70	20.37	23.98		-1.50		26.99	Pass
HT40	MCS0	2	134	5670	17.50	18.10	20.82	23.98		-1.50		26.99	Pass
VHT20	MCS0	2	100	5500	17.50	18.40	20.98	23.98		-1.50		26.99	Pass
VHT20	MCS0	2	116	5580	17.20	18.10	20.68	23.98		-1.50		26.99	Pass
VHT20	MCS0	2	140	5700	16.50	17.40	19.98	23.98		-1.50		26.99	Pass
VHT40	MCS0	2	102	5510	17.00	17.90	20.48	23.98		-1.50		26.99	Pass
VHT40	MCS0	2	110	5550	16.90	17.60	20.27	23.98		-1.50		26.99	Pass
VHT40	MCS0	2	134	5670	17.40	18.00	20.72	23.98		-1.50		26.99	Pass
VHT80	MCS0	2	106	5530	16.10	17.00	19.58	23.98		-1.50		26.99	Pass
VHT80	MCS0	2	122	5610	16.30	17.10	19.73	23.98		-1.50		26.99	Pass
VHT160	MCS0	2	114	5570	15.30	16.00	18.67	23.98		-1.50		26.99	Pass

Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
11a	6Mbps	2	144	5720	17.50	18.30	20.93	22.67		-1.50		26.99	Pass
HT20	MCS0	2	144	5720	17.30	18.10	20.73	23.98		-1.50		26.99	Pass
HT40	MCS0	2	142	5710	17.30	18.10	20.73	23.98		-1.50		26.99	Pass
VHT20	MCS0	2	144	5720	17.20	18.00	20.63	23.98		-1.50		26.99	Pass
VHT40	MCS0	2	142	5710	17.20	18.00	20.63	23.98		-1.50		26.99	Pass
VHT80	MCS0	2	138	5690	16.20	17.00	19.63	23.98		-1.50		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
11a	6Mbps	2	100	5500	-		10.13	11.00	-0.06			Pass	
11a	6Mbps	2	116	5580			10.16	11.00	-0.06			Pass	
11a	6Mbps	2	140	5700			10.18	11.00	-0.06			Pass	

Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail	
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
11a	6Mbps	2	144	5720	-		10.30	11.00		-0.06		-	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)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)			Note
						Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	36	5180	Full	18.93	18.98	21.45	21.35	-	-	22.77	-		
HE20	MCS0	2	44	5220	Full	18.93	18.93	21.55	21.59	-	-	22.77	-		
HE20	MCS0	2	48	5240	Full	18.93	18.93	21.45	21.50	-	-	22.77	-		
HE40	MCS0	2	38	5190	Full	37.96	37.96	40.41	40.41	-	-	23.01	-		
HE40	MCS0	2	46	5230	Full	38.06	37.96	40.23	40.03	-	-	23.01	-		
HE80	MCS0	2	42	5210	Full	77.20	77.08	82.40	82.72	-	-	23.01	-		
HE160	MCS0	2	50	5250	Full	156.32	156.08	166.08	165.44	-	-	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 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18	
HE20	MCS0	2	36	5180	Full	18.30	17.40	20.88	24.00		-2.80		Pass
HE20	MCS0	2	36	5180	26/0	9.60	8.70	12.18	24.00		-2.80		Pass
HE20	MCS0	2	36	5180	52/37	12.30	11.80	15.07	24.00		-2.80		Pass
HE20	MCS0	2	36	5180	106/53	15.30	14.70	18.02	24.00		-2.80		Pass
HE20	MCS0	2	44	5220	Full	18.20	17.30	20.78	24.00		-2.80		Pass
HE20	MCS0	2	44	5220	26/4	10.30	9.40	12.88	24.00		-2.80		Pass
HE20	MCS0	2	44	5220	52/39	12.00	11.50	14.77	24.00		-2.80		Pass
HE20	MCS0	2	44	5220	106/53	15.20	14.50	17.87	24.00		-2.80		Pass
HE20	MCS0	2	48	5240	Full	18.40	17.60	21.03	24.00		-2.80		Pass
HE20	MCS0	2	48	5240	26/8	9.80	8.90	12.38	24.00		-2.80		Pass
HE20	MCS0	2	48	5240	52/40	12.50	11.70	15.13	24.00		-2.80		Pass
HE20	MCS0	2	48	5240	106/54	15.40	14.50	17.98	24.00		-2.80		Pass
HE40	MCS0	2	38	5190	Full	18.30	17.40	20.88	24.00		-2.80		Pass
HE40	MCS0	2	46	5230	Full	18.20	17.30	20.78	24.00		-2.80		Pass
HE80	MCS0	2	42	5210	Full	17.30	16.70	20.02	24.00		-2.80		Pass
HE160	MCS0	2	50	5250	Full	16.50	15.80	19.17	24.00		-2.80		Pass

TEST RESULTS DATA
Power Spectral Density

Band I MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18	
HE20	MCS0	2	36	5180	Full			10.24	11.00	-1.28			Pass
HE20	MCS0	2	36	5180	26/0			10.07	11.00	-1.28			Pass
HE20	MCS0	2	36	5180	52/37			10.03	11.00	-1.28			Pass
HE20	MCS0	2	36	5180	106/53			10.04	11.00	-1.28			Pass
HE20	MCS0	2	44	5220	Full			10.30	11.00	-1.28			Pass
HE20	MCS0	2	44	5220	26/4			9.90	11.00	-1.28			Pass
HE20	MCS0	2	44	5220	52/39			9.84	11.00	-1.28			Pass
HE20	MCS0	2	44	5220	106/53			10.03	11.00	-1.28			Pass
HE20	MCS0	2	48	5240	Full			10.48	11.00	-1.28			Pass
HE20	MCS0	2	48	5240	26/8			10.37	11.00	-1.28			Pass
HE20	MCS0	2	48	5240	52/40			10.34	11.00	-1.28			Pass
HE20	MCS0	2	48	5240	106/54			10.17	11.00	-1.28			Pass
HE40	MCS0	2	38	5190	Full			7.10	11.00	-1.28			Pass
HE40	MCS0	2	46	5230	Full			6.90	11.00	-1.28			Pass
HE80	MCS0	2	42	5210	Full			3.17	11.00	-1.28			Pass
HE160	MCS0	2	50	5250	Full			-0.45	11.00	-1.28			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)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		26dB Bandwidth Power Limit (dBm)		Note
						Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	
HE20	MCS0	2	52	5260	Full	18.93	18.93	21.45	21.65	23.77		29.77		23.98		
HE20	MCS0	2	60	5300	Full	18.93	18.93	21.20	21.50	23.77		29.77		23.98		
HE20	MCS0	2	64	5320	Full	18.93	18.93	21.60	21.55	23.77		29.77		23.98		
HE40	MCS0	2	54	5270	Full	37.96	37.96	40.32	40.41	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.96	38.06	40.50	40.59	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.20	77.20	83.20	82.88	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

Band II MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	52	5260	Full	18.30	17.40	20.88	23.98		-2.50		26.99	Pass
HE20	MCS0	2	52	5260	26/0	9.60	8.70	12.18	23.98		-2.50		26.99	Pass
HE20	MCS0	2	52	5260	52/37	12.40	11.70	15.07	23.98		-2.50		26.99	Pass
HE20	MCS0	2	52	5260	106/53	15.30	14.40	17.88	23.98		-2.50		26.99	Pass
HE20	MCS0	2	60	5300	Full	18.60	17.70	21.18	23.98		-2.50		26.99	Pass
HE20	MCS0	2	60	5300	26/4	10.30	9.40	12.88	23.98		-2.50		26.99	Pass
HE20	MCS0	2	60	5300	52/39	12.40	11.60	15.03	23.98		-2.50		26.99	Pass
HE20	MCS0	2	60	5300	106/54	15.40	14.60	18.03	23.98		-2.50		26.99	Pass
HE20	MCS0	2	64	5320	Full	18.50	17.60	21.08	23.98		-2.50		26.99	Pass
HE20	MCS0	2	64	5320	26/8	9.60	8.10	11.92	23.98		-2.50		26.99	Pass
HE20	MCS0	2	64	5320	52/40	12.10	11.20	14.68	23.98		-2.50		26.99	Pass
HE20	MCS0	2	64	5320	106/54	15.60	14.70	18.18	23.98		-2.50		26.99	Pass
HE40	MCS0	2	54	5270	Full	18.30	17.40	20.88	23.98		-2.50		26.99	Pass
HE40	MCS0	2	62	5310	Full	18.50	17.60	21.08	23.98		-2.50		26.99	Pass
HE80	MCS0	2	58	5290	Full	17.30	16.40	19.88	23.98		-2.50		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	52	5260	Full	-		10.12	11.00	-0.65		-	Pass	
HE20	MCS0	2	52	5260	26/0			10.06	11.00	-0.65			Pass	
HE20	MCS0	2	52	5260	52/37			10.09	11.00	-0.65			Pass	
HE20	MCS0	2	52	5260	106/53			9.96	11.00	-0.65			Pass	
HE20	MCS0	2	60	5300	Full			10.23	11.00	-0.65			Pass	
HE20	MCS0	2	60	5300	26/4			10.11	11.00	-0.65			Pass	
HE20	MCS0	2	60	5300	52/39			10.17	11.00	-0.65			Pass	
HE20	MCS0	2	60	5300	106/54			10.18	11.00	-0.65			Pass	
HE20	MCS0	2	64	5320	Full			10.19	11.00	-0.65			Pass	
HE20	MCS0	2	64	5320	26/8			9.86	11.00	-0.65			Pass	
HE20	MCS0	2	64	5320	52/40			9.81	11.00	-0.65			Pass	
HE20	MCS0	2	64	5320	106/54			10.13	11.00	-0.65			Pass	
HE40	MCS0	2	54	5270	Full			7.19	11.00	-0.65			Pass	
HE40	MCS0	2	62	5310	Full			7.33	11.00	-0.65			Pass	
HE80	MCS0	2	58	5290	Full			3.03	11.00	-0.65			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)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18
HE20	MCS0	2	100	5500	Full	18.93	19.03	21.44	23.65	23.77		29.77		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.93	18.93	21.50	21.45	23.77		29.77		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.88	18.93	21.35	21.50	23.76		29.76		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.96	38.06	40.41	40.32	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.96	37.96	40.50	40.59	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.96	37.96	40.50	40.50	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.20	77.32	83.36	83.04	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.20	77.20	82.72	82.72	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.08	156.32	166.40	165.76	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)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18
HE20	MCS0	2	144	5720	Full	14.49	14.49	15.65	15.70	22.61		28.61		22.95		4.5	4.499
HE40	MCS0	2	142	5710	Full	33.98	33.98	35.07	35.25	23.98		30.00		23.98		3.99	3.99
HE80	MCS0	2	138	5690	Full	73.60	73.60	76.12	76.12	23.98		30.00		23.98		4.2	4.04

TEST RESULTS DATA
Average Power Table

Band III MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	100	5500	Full	17.70	18.60	21.18	23.98		-1.50		26.99	Pass
HE20	MCS0	2	100	5500	26/0	8.60	9.50	12.08	23.98		-1.50		26.99	Pass
HE20	MCS0	2	100	5500	52/37	11.60	12.50	15.08	23.98		-1.50		26.99	Pass
HE20	MCS0	2	100	5500	106/53	14.40	15.30	17.88	23.98		-1.50		26.99	Pass
HE20	MCS0	2	116	5580	Full	17.40	18.30	20.88	23.98		-1.50		26.99	Pass
HE20	MCS0	2	116	5580	26/4	9.60	10.40	13.03	23.98		-1.50		26.99	Pass
HE20	MCS0	2	116	5580	52/38	11.10	12.00	14.58	23.98		-1.50		26.99	Pass
HE20	MCS0	2	116	5580	106/53	14.60	15.50	18.08	23.98		-1.50		26.99	Pass
HE20	MCS0	2	140	5700	Full	16.70	17.60	20.18	23.98		-1.50		26.99	Pass
HE20	MCS0	2	140	5700	26/8	7.30	8.20	10.78	23.98		-1.50		26.99	Pass
HE20	MCS0	2	140	5700	52/40	10.30	11.10	13.73	23.98		-1.50		26.99	Pass
HE20	MCS0	2	140	5700	106/54	13.20	14.10	16.68	23.98		-1.50		26.99	Pass
HE40	MCS0	2	102	5510	Full	17.20	18.10	20.68	23.98		-1.50		26.99	Pass
HE40	MCS0	2	110	5550	Full	17.10	17.80	20.47	23.98		-1.50		26.99	Pass
HE40	MCS0	2	134	5670	Full	17.60	18.20	20.92	23.98		-1.50		26.99	Pass
HE80	MCS0	2	106	5530	Full	16.20	17.10	19.68	23.98		-1.50		26.99	Pass
HE80	MCS0	2	122	5610	Full	16.40	17.20	19.83	23.98		-1.50		26.99	Pass
HE160	MCS0	2	114	5570	Full	15.40	16.10	18.77	23.98		-1.50		26.99	Pass

Band III straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	144	5720	Full	17.40	18.20	20.83	22.95		-1.50		26.99	Pass
HE20	MCS0	2	144	5720	26/8	8.70	9.60	12.18	22.95		-1.50		26.99	Pass
HE20	MCS0	2	144	5720	52/40	11.50	12.40	14.98	22.95		-1.50		26.99	Pass
HE20	MCS0	2	144	5720	106/54	14.30	15.20	17.78	22.95		-1.50		26.99	Pass
HE40	MCS0	2	142	5710	Full	17.40	18.20	20.83	23.98		-1.50		26.99	Pass
HE80	MCS0	2	138	5690	Full	16.30	17.10	19.73	23.98		-1.50		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18	
HE20	MCS0	2	100	5500	Full			10.35	11.00	-0.06			Pass
HE20	MCS0	2	100	5500	26/0			9.95	11.00	-0.06			Pass
HE20	MCS0	2	100	5500	52/37			10.14	11.00	-0.06			Pass
HE20	MCS0	2	100	5500	106/53			9.86	11.00	-0.06			Pass
HE20	MCS0	2	116	5580	Full			10.02	11.00	-0.06			Pass
HE20	MCS0	2	116	5580	26/4			9.85	11.00	-0.06			Pass
HE20	MCS0	2	116	5580	52/38			9.99	11.00	-0.06			Pass
HE20	MCS0	2	116	5580	106/53			10.01	11.00	-0.06			Pass
HE20	MCS0	2	140	5700	Full			9.46	11.00	-0.06			Pass
HE20	MCS0	2	140	5700	26/8			9.12	11.00	-0.06			Pass
HE20	MCS0	2	140	5700	52/40			9.25	11.00	-0.06			Pass
HE20	MCS0	2	140	5700	106/54			8.98	11.00	-0.06			Pass
HE40	MCS0	2	102	5510	Full			7.05	11.00	-0.06			Pass
HE40	MCS0	2	110	5550	Full			6.94	11.00	-0.06			Pass
HE40	MCS0	2	134	5670	Full			6.83	11.00	-0.06			Pass
HE80	MCS0	2	106	5530	Full			2.70	11.00	-0.06			Pass
HE80	MCS0	2	122	5610	Full			3.00	11.00	-0.06			Pass
HE160	MCS0	2	114	5570	Full			-0.98	11.00	-0.06			Pass

Band III straddle channel MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	144	5720	Full			10.04	11.00	-0.06			Pass	
HE20	MCS0	2	144	5720	26/8			10.03	11.00	-0.06			Pass	
HE20	MCS0	2	144	5720	52/40			9.96	11.00	-0.06			Pass	
HE20	MCS0	2	144	5720	106/54			9.81	11.00	-0.06			Pass	
HE40	MCS0	2	142	5710	Full			6.91	11.00	-0.06			Pass	
HE80	MCS0	2	138	5690	Full			2.87	11.00	-0.06			Pass	



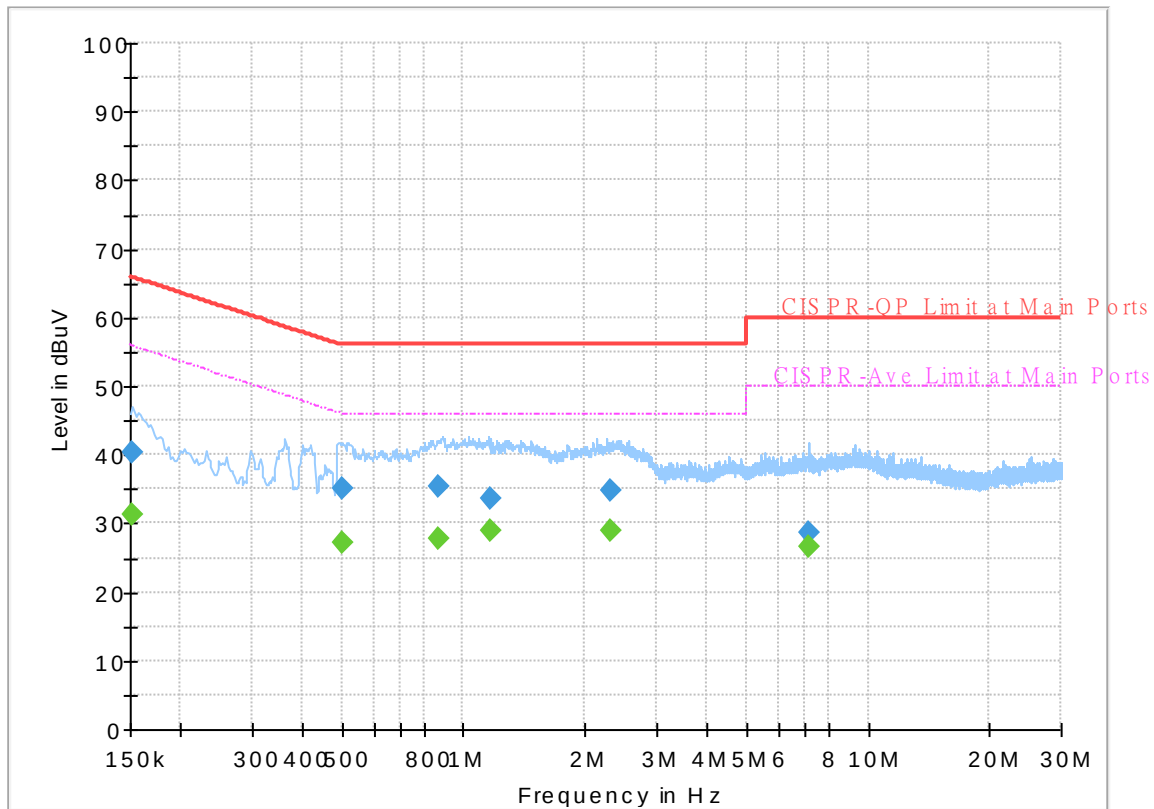
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 1N0901
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



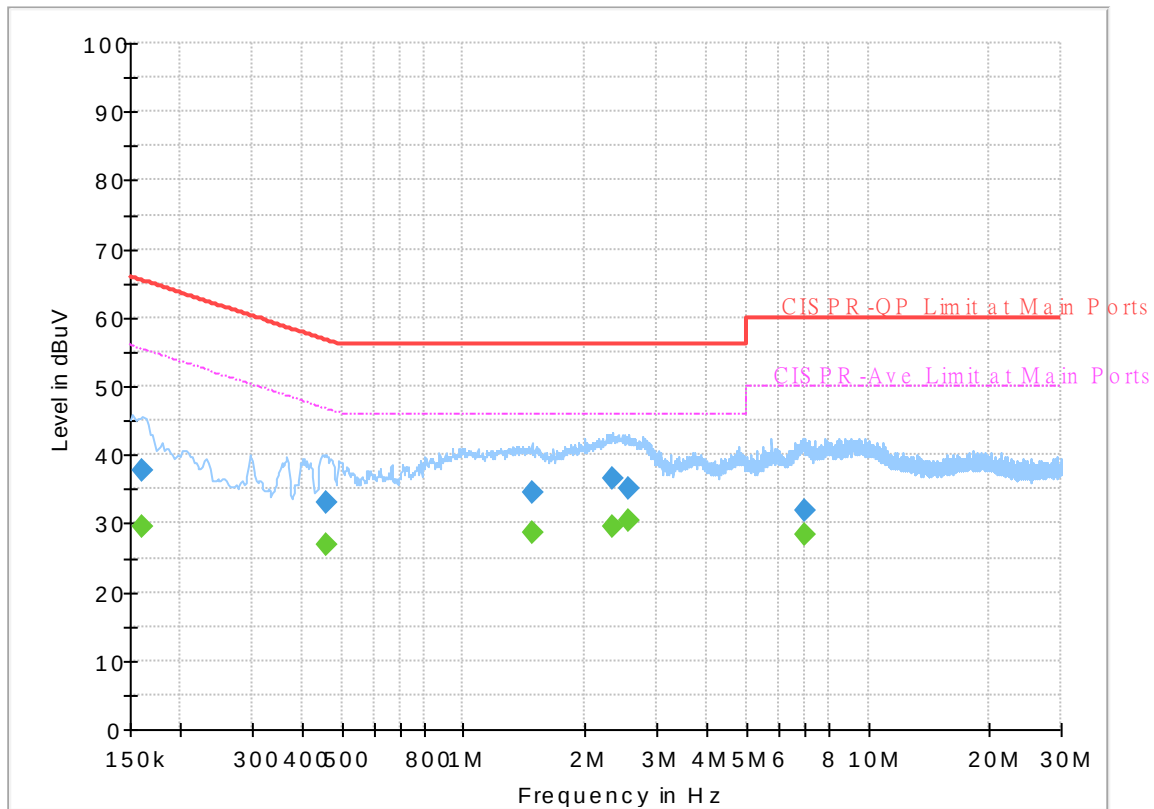
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	31.23	55.88	24.65	L1	OFF	19.7
0.152250	40.45	---	65.88	25.43	L1	OFF	19.7
0.501000	---	27.20	46.00	18.80	L1	OFF	19.8
0.501000	34.98	---	56.00	21.02	L1	OFF	19.8
0.863250	---	27.80	46.00	18.20	L1	OFF	20.1
0.863250	35.46	---	56.00	20.54	L1	OFF	20.1
1.167000	---	29.05	46.00	16.95	L1	OFF	20.2
1.167000	33.62	---	56.00	22.38	L1	OFF	20.2
2.307750	---	29.04	46.00	16.96	L1	OFF	20.1
2.307750	34.70	---	56.00	21.30	L1	OFF	20.1
7.152000	---	26.72	50.00	23.28	L1	OFF	20.1
7.152000	28.65	---	60.00	31.35	L1	OFF	20.1

EUT Information

Report NO : 1N0901
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	29.66	55.40	25.74	N	OFF	19.7
0.161250	37.78	---	65.40	27.62	N	OFF	19.7
0.456000	---	27.01	46.77	19.76	N	OFF	19.8
0.456000	33.09	---	56.77	23.68	N	OFF	19.8
1.475250	---	28.61	46.00	17.39	N	OFF	20.2
1.475250	34.44	---	56.00	21.56	N	OFF	20.2
2.330250	---	29.66	46.00	16.34	N	OFF	20.1
2.330250	36.41	---	56.00	19.59	N	OFF	20.1
2.566500	---	30.27	46.00	15.73	N	OFF	20.1
2.566500	34.95	---	56.00	21.05	N	OFF	20.1
6.983250	---	28.40	50.00	21.60	N	OFF	20.1
6.983250	31.80	---	60.00	28.20	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Bill Chang, JC Liang and Nick Yu	Temperature :	18~20°C
		Relative Humidity :	65~68%

Band 1 - 5150~5250MHz

WIFI 802.11a (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.	
17+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.76	60.13	-13.87	74	52.21	33.1	12.56	37.74	109	119	P	H
		5148.72	45.77	-8.23	54	37.85	33.1	12.56	37.74	109	119	A	H
	*	5180	112.53	-	-	104.64	33.04	12.6	37.75	109	119	P	H
	*	5180	104.91	-	-	97.02	33.04	12.6	37.75	109	119	A	H
													H
													H
		5147.68	54.69	-19.31	74	46.77	33.1	12.56	37.74	275	67	P	V
		5148.46	42.75	-11.25	54	34.83	33.1	12.56	37.74	275	67	A	V
	*	5180	109.56	-	-	101.67	33.04	12.6	37.75	275	67	P	V
	*	5180	102.2	-	-	94.31	33.04	12.6	37.75	275	67	A	V
													V
													V
802.11a CH 44 5220MHz		5142.48	47.56	-26.44	74	39.65	33.1	12.55	37.74	125	123	P	H
		5148.72	38.53	-15.47	54	30.61	33.1	12.56	37.74	125	123	A	H
	*	5220	112.47	-	-	104.68	32.92	12.64	37.77	125	123	P	H
	*	5220	105.07	-	-	97.28	32.92	12.64	37.77	125	123	A	H
		5400.64	46.01	-27.99	74	38.12	32.9	12.82	37.83	125	123	P	H
		5458.32	36.27	-17.73	54	28.31	32.92	12.89	37.85	125	123	A	H
		5147.42	47.49	-26.51	74	39.57	33.1	12.56	37.74	273	66	P	V
		5148.72	37.62	-16.38	54	29.7	33.1	12.56	37.74	273	66	A	V
	*	5220	109.47	-	-	101.68	32.92	12.64	37.77	273	66	P	V
	*	5220	102.13	-	-	94.34	32.92	12.64	37.77	273	66	A	V
		5447.68	45.49	-28.51	74	37.56	32.9	12.88	37.85	273	66	P	V
		5459.44	35.94	-18.06	54	27.99	32.92	12.89	37.86	273	66	A	V



802.11a CH 48 5240MHz		5089.7	48.35	-25.65	74	40.5	33.08	12.49	37.72	121	123	P	H
		5150	37.89	-16.11	54	29.97	33.1	12.56	37.74	121	123	A	H
	*	5240	112.83	-	-	105.11	32.84	12.66	37.78	121	123	P	H
	*	5240	105.37	-	-	97.65	32.84	12.66	37.78	121	123	A	H
		5457.2	46.05	-27.95	74	38.1	32.91	12.89	37.85	121	123	P	H
		5350.24	36.23	-17.77	54	28.58	32.7	12.77	37.82	121	123	A	H
		5018.98	47.39	-26.61	74	39.63	33.06	12.4	37.7	289	65	P	V
		5084.76	37.28	-16.72	54	29.45	33.07	12.48	37.72	289	65	A	V
	*	5240	109.4	-	-	101.68	32.84	12.66	37.78	289	65	P	V
	*	5240	102.1	-	-	94.38	32.84	12.66	37.78	289	65	A	V
		5445.16	45.32	-28.68	74	37.4	32.9	12.87	37.85	289	65	P	V
		5458.6	35.92	-18.08	54	27.97	32.92	12.89	37.86	289	65	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. 17+18	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		10360	48.87	-19.33	68.2	33.44	38.6	18.44	41.61	-	-	P	H
		15540	49.87	-24.13	74	33.58	37.98	23.09	44.78	100	136	P	H
		15540	40.15	-13.85	54	23.86	37.98	23.09	44.78	100	136	A	H
													H
													H
													H
		10360	48.88	-19.32	68.2	33.45	38.6	18.44	41.61	-	-	P	V
		15540	50.82	-23.18	74	34.53	37.98	23.09	44.78	326	251	P	V
		15540	40.13	-13.87	54	23.84	37.98	23.09	44.78	326	251	A	V
													V
													V
													V
802.11a CH 44 5220MHz		10440	50.67	-17.53	68.2	35.3	38.56	18.5	41.69	-	-	P	H
		15660	50.85	-23.15	74	34.58	37.74	23.2	44.67	118	124	P	H
		15660	43.92	-10.08	54	27.65	37.74	23.2	44.67	118	124	A	H
													H
													H
													H
		10440	49.67	-18.53	68.2	34.3	38.56	18.5	41.69	-	-	P	V
		15660	51.09	-22.91	74	34.82	37.74	23.2	44.67	358	247	P	V
		15660	42.8	-11.2	54	26.53	37.74	23.2	44.67	358	247	A	V
													V
													V
													V



WIFI Ant. 17+18	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	48.58	-19.62	68.2	33.24	38.52	18.54	41.72	-	-	P	H
		15720	51.28	-22.72	74	34.99	37.64	23.26	44.61	100	163	P	H
		15720	40.37	-13.63	54	24.08	37.64	23.26	44.61	100	163	A	H
													H
													H
													H
		10480	48.92	-19.28	68.2	33.58	38.52	18.54	41.72	-	-	P	V
		15720	49.57	-24.43	74	33.28	37.64	23.26	44.61	335	264	P	V
		15720	40.38	-13.62	54	24.09	37.64	23.26	44.61	335	264	A	V
													V
													V
													V
Remark	- No other spurious found. - All results are PASS against Peak and Average limit line. - The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. - The emission level close to 18GHz is checked that the average emission level is noise floor only.												



Band 1 5150~5250MHz

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

WIFI Ant. 17+18	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 36 5180MHz		5148.98	56.14	-17.86	74	48.22	33.1	12.56	37.74	100	122	P	H
		5150	46.33	-7.67	54	38.41	33.1	12.56	37.74	100	122	A	H
	*	5180	111.25	-	-	103.36	33.04	12.6	37.75	100	122	P	H
	*	5180	102.13	-	-	94.24	33.04	12.6	37.75	100	122	A	H
													H
													H
		5149.76	55	-19	74	47.08	33.1	12.56	37.74	312	69	P	V
		5150	44.09	-9.91	54	36.17	33.1	12.56	37.74	312	69	A	V
	*	5180	108.85	-	-	100.96	33.04	12.6	37.75	312	69	P	V
	*	5180	98.42	-	-	90.53	33.04	12.6	37.75	312	69	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5146.9	48.54	-25.46	74	40.62	33.1	12.56	37.74	100	122	P	H
		5150	38.9	-15.1	54	30.98	33.1	12.56	37.74	100	122	A	H
	*	5220	113.17	-	-	105.38	32.92	12.64	37.77	100	122	P	H
	*	5220	102.71	-	-	94.92	32.92	12.64	37.77	100	122	A	H
		5450.48	47.58	-26.42	74	39.65	32.9	12.88	37.85	100	122	P	H
		5454.68	36.28	-17.72	54	28.33	32.91	12.89	37.85	100	122	A	H
		5126.1	47.77	-26.23	74	39.88	33.1	12.53	37.74	324	74	P	V
		5149.5	37.47	-16.53	54	29.55	33.1	12.56	37.74	324	74	A	V
	*	5220	109.14	-	-	101.35	32.92	12.64	37.77	324	74	P	V
	*	5220	99.37	-	-	91.58	32.92	12.64	37.77	324	74	A	V
		5454.96	45.42	-28.58	74	37.47	32.91	12.89	37.85	324	74	P	V
		5460	35.99	-18.01	54	28.04	32.92	12.89	37.86	324	74	A	V



802.11ax HE20 Full CH 48 5240MHz		5090.22	47.5	-26.5	74	39.65	33.08	12.49	37.72	124	123	P	H
		5149.76	37.87	-16.13	54	29.95	33.1	12.56	37.74	124	123	A	H
	*	5240	111.84	-	-	104.12	32.84	12.66	37.78	124	123	P	H
	*	5240	102.55	-	-	94.83	32.84	12.66	37.78	124	123	A	H
		5364.24	45.52	-28.48	74	37.8	32.76	12.78	37.82	124	123	P	H
		5350	36.29	-17.71	54	28.64	32.7	12.77	37.82	124	123	A	H
		5076.96	47.96	-26.04	74	40.16	33.05	12.47	37.72	267	66	P	V
		5093.08	37.31	-16.69	54	29.45	33.09	12.49	37.72	267	66	A	V
	*	5240	111.27	-	-	103.55	32.84	12.66	37.78	267	66	P	V
	*	5240	99.84	-	-	92.12	32.84	12.66	37.78	267	66	A	V
		5452.44	45.45	-28.55	74	37.52	32.9	12.88	37.85	267	66	P	V
		5459.72	35.97	-18.03	54	28.02	32.92	12.89	37.86	267	66	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. 17+18	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 36 5180MHz		10360	49.41	-18.79	68.2	33.98	38.6	18.44	41.61	-	-	P	H
		15540	49.7	-24.3	74	33.41	37.98	23.09	44.78	100	154	P	H
		15540	40.6	-13.4	54	24.31	37.98	23.09	44.78	100	154	A	H
													H
													H
													H
		10360	48.49	-19.71	68.2	33.06	38.6	18.44	41.61	-	-	P	V
		15540	50.42	-23.58	74	34.13	37.98	23.09	44.78	342	245	P	V
		15540	40.72	-13.28	54	24.43	37.98	23.09	44.78	342	245	A	V
													V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		10440	49.1	-19.1	68.2	33.73	38.56	18.5	41.69	-	-	P	H
		15660	50.56	-23.44	74	34.29	37.74	23.2	44.67	104	163	P	H
		15660	40.54	-13.46	54	24.27	37.74	23.2	44.67	104	163	A	H
													H
													H
													H
		10440	48.71	-19.49	68.2	33.34	38.56	18.5	41.69	-	-	P	V
		15660	50.96	-23.04	74	34.69	37.74	23.2	44.67	328	247	P	V
		15660	40.59	-13.41	54	24.32	37.74	23.2	44.67	328	247	A	V
													V
													V
													V



WIFI Ant. 17+18	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	48.69	-19.51	68.2	33.35	38.52	18.54	41.72	-	-	P	H
		15720	49.73	-24.27	74	33.44	37.64	23.26	44.61	100	162	P	H
		15720	40.4	-13.6	54	24.11	37.64	23.26	44.61	100	162	A	H
													H
													H
													H
		10480	49.24	-18.96	68.2	33.9	38.52	18.54	41.72	-	-	P	V
		15720	49.79	-24.21	74	33.5	37.64	23.26	44.61	319	238	P	V
		15720	40.42	-13.58	54	24.13	37.64	23.26	44.61	319	238	A	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 Partial 26 (Band Edge @ 3m)

WIFI Ant. 17+18	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 Partial 26/0 CH 36 5180MHz		5149.76	61.13	-12.87	74	53.21	33.1	12.56	37.74	211	301	P	H
		5107.38	42.31	-11.69	54	34.43	33.1	12.51	37.73	211	301	A	H
	*	5180	119.12	-	-	111.23	33.04	12.6	37.75	211	301	P	H
	*	5180	110.89	-	-	103	33.04	12.6	37.75	211	301	A	H
													H
													H
		5147.42	55.59	-18.41	74	47.67	33.1	12.56	37.74	389	40	P	V
		5106.86	40.02	-13.98	54	32.14	33.1	12.51	37.73	389	40	A	V
	*	5180	118.46	-	-	110.57	33.04	12.6	37.75	389	40	P	V
	*	5180	110.07	-	-	102.18	33.04	12.6	37.75	389	40	A	V
													V
													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 (Band Edge @ 3m)

WIFI Ant. 17+18	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		5141.96	58.35	-15.65	74	50.44	33.1	12.55	37.74	102	121	P	H
		5149.76	48.36	-5.64	54	40.44	33.1	12.56	37.74	102	121	A	H
	*	5190	108.4	-	-	100.53	33.02	12.61	37.76	102	121	P	H
	*	5190	98.4	-	-	90.53	33.02	12.61	37.76	102	121	A	H
		5444.04	44.71	-29.29	74	36.79	32.9	12.87	37.85	102	121	P	H
		5350	36.11	-17.89	54	28.46	32.7	12.77	37.82	102	121	A	H
		5148.72	53.32	-20.68	74	45.4	33.1	12.56	37.74	382	63	P	V
		5150	43.05	-10.95	54	35.13	33.1	12.56	37.74	382	63	A	V
	*	5190	104.75	-	-	96.88	33.02	12.61	37.76	382	63	P	V
	*	5190	94.69	-	-	86.82	33.02	12.61	37.76	382	63	A	V
		5383.56	45.57	-28.43	74	37.77	32.83	12.8	37.83	382	63	P	V
		5458.88	35.61	-18.39	54	27.66	32.92	12.89	37.86	382	63	A	V
802.11ax HE40 Full CH 46 5230MHz		5140.14	50.11	-23.89	74	42.2	33.1	12.55	37.74	105	120	P	H
		5149.76	39.73	-14.27	54	31.81	33.1	12.56	37.74	105	120	A	H
	*	5230	108.73	-	-	100.97	32.88	12.65	37.77	105	120	P	H
	*	5230	98.34	-	-	90.58	32.88	12.65	37.77	105	120	A	H
		5455.24	47.27	-26.73	74	39.32	32.91	12.89	37.85	105	120	P	H
		5352.48	37.05	-16.95	54	29.39	32.71	12.77	37.82	105	120	A	H
		5147.68	48.8	-25.2	74	40.88	33.1	12.56	37.74	378	64	P	V
		5147.16	38	-16	54	30.08	33.1	12.56	37.74	378	64	A	V
	*	5230	104.64	-	-	96.88	32.88	12.65	37.77	378	64	P	V
	*	5230	94.98	-	-	87.22	32.88	12.65	37.77	378	64	A	V
		5355.56	45.42	-28.58	74	37.74	32.72	12.78	37.82	378	64	P	V
		5361.72	35.86	-18.14	54	28.15	32.75	12.78	37.82	378	64	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. 17+18	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		10380	48.79	-19.41	68.2	33.37	38.6	18.45	41.63	-	-	P	H
		15570	49.82	-24.18	74	33.56	37.89	23.12	44.75	109	155	P	H
		15570	40.56	-13.44	54	24.3	37.89	23.12	44.75	109	155	A	H
													H
													H
													H
		10380	49.77	-18.43	68.2	34.35	38.6	18.45	41.63	-	-	P	V
		15570	49.97	-24.03	74	33.71	37.89	23.12	44.75	337	258	P	V
		15570	40.58	-13.42	54	24.32	37.89	23.12	44.75	337	258	A	V
													V
													V
													V
802.11ax HE40 Full CH 46 5230MHz		10460	49.63	-18.57	68.2	34.27	38.54	18.52	41.7	-	-	P	H
		15690	49.7	-24.3	74	33.4	37.71	23.23	44.64	100	153	P	H
		15690	40.55	-13.45	54	24.25	37.71	23.23	44.64	100	153	A	H
													H
													H
													H
		10460	48.39	-19.81	68.2	33.03	38.54	18.52	41.7	-	-	P	V
		15690	50.01	-23.99	74	33.71	37.71	23.23	44.64	300	163	P	V
		15690	40.57	-13.43	54	24.27	37.71	23.23	44.64	300	163	A	V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

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

WIFI Ant. 17+18	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		5142.22	57.06	-16.94	74	49.15	33.1	12.55	37.74	106	121	P	H
		5150	47.83	-6.17	54	39.91	33.1	12.56	37.74	106	121	A	H
	*	5210	105.07	-	-	97.25	32.96	12.63	37.77	106	121	P	H
	*	5210	94.84	-	-	87.02	32.96	12.63	37.77	106	121	A	H
		5358.6	47.46	-26.54	74	39.77	32.73	12.78	37.82	106	121	P	H
		5361.72	37.19	-16.81	54	29.48	32.75	12.78	37.82	106	121	A	H
		5143.52	52.67	-21.33	74	44.76	33.1	12.55	37.74	379	63	P	V
		5149.24	42.58	-11.42	54	34.66	33.1	12.56	37.74	379	63	A	V
	*	5210	101.1	-	-	93.28	32.96	12.63	37.77	379	63	P	V
	*	5210	91.1	-	-	83.28	32.96	12.63	37.77	379	63	A	V
		5378.88	45.31	-28.69	74	37.52	32.82	12.8	37.83	379	63	P	V
		5352.1	35.94	-18.06	54	28.28	32.71	12.77	37.82	379	63	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. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preampl Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		10420	50.05	-18.15	68.2	34.65	38.58	18.49	41.67	-	-	P	H
		15630	50.5	-23.5	74	34.26	37.77	23.17	44.7	105	166	P	H
		15630	40.63	-13.37	54	24.39	37.77	23.17	44.7	105	166	A	H
													H
													H
													H
		10420	48.29	-19.91	68.2	32.89	38.58	18.49	41.67	-	-	P	V
		15630	50.77	-23.23	74	34.53	37.77	23.17	44.7	352	269	P	V
		15630	40.64	-13.36	54	24.4	37.77	23.17	44.7	352	269	A	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.											



5150-5350 MHz

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

WIFI Ant. 17+18	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		5113.9	59.31	-14.69	74	51.42	33.1	12.52	37.73	100	120	P	H
		5123.76	45.68	-8.32	54	37.78	33.1	12.53	37.73	100	120	A	H
	*	5250	101.24	-	-	93.55	32.8	12.67	37.78	100	120	P	H
	*	5250	91.27	-	-	83.58	32.8	12.67	37.78	100	120	A	H
		5394.24	56.13	-17.87	74	48.27	32.88	12.81	37.83	100	120	P	H
		5373.6	44.68	-9.32	54	36.92	32.79	12.79	37.82	100	120	A	H
		5110.84	51.52	-22.48	74	43.64	33.1	12.51	37.73	394	60	P	V
		5133.96	43.12	-10.88	54	35.22	33.1	12.54	37.74	394	60	A	V
	*	5250	95.88	-	-	88.19	32.8	12.67	37.78	394	60	P	V
	*	5250	87.21	-	-	79.52	32.8	12.67	37.78	394	60	A	V
		5411.04	49.1	-24.9	74	41.21	32.9	12.83	37.84	394	60	P	V
		5391.36	40.67	-13.33	54	32.82	32.87	12.81	37.83	394	60	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5470-5725MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 17+18	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	48.94	-19.26	68.2	33.62	38.5	18.56	41.74	-	-	P	H
		15750	50.48	-23.52	74	34.24	37.55	23.27	44.58	155	163	P	H
		15750	40.57	-13.43	54	24.33	37.55	23.27	44.58	155	163	A	H
													H
													H
													H
		10500	50.05	-18.15	68.2	34.73	38.5	18.56	41.74	-	-	P	V
		15750	50.21	-23.79	74	33.97	37.55	23.27	44.58	245	269	P	V
		15750	41.26	-12.74	54	25.02	37.55	23.27	44.58	345	269	A	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. 17+18	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		5105.06	47.08	-26.92	74	39.2	33.1	12.51	37.73	101	122	P	H
		5109.82	37.92	-16.08	54	30.04	33.1	12.51	37.73	101	122	A	H
	*	5260	113.56	-	-	105.82	32.84	12.68	37.78	101	122	P	H
	*	5260	105.86	-	-	98.12	32.84	12.68	37.78	101	122	A	H
		5435.28	45.71	-28.29	74	37.8	32.9	12.86	37.85	101	122	P	H
		5350.08	37.09	-16.91	54	29.44	32.7	12.77	37.82	101	122	A	H
		5139.06	47.66	-26.34	74	39.75	33.1	12.55	37.74	284	65	P	V
		5100.3	37.44	-16.56	54	29.57	33.1	12.5	37.73	284	65	A	V
	*	5260	109.96	-	-	102.22	32.84	12.68	37.78	284	65	P	V
	*	5260	102.57	-	-	94.83	32.84	12.68	37.78	284	65	A	V
		5409.84	44.95	-29.05	74	37.06	32.9	12.83	37.84	284	65	P	V
		5459.04	35.98	-18.02	54	28.03	32.92	12.89	37.86	284	65	A	V
802.11a CH 60 5300MHz		5007.14	48.06	-25.94	74	40.27	33.09	12.39	37.69	104	123	P	H
		5149.6	37.8	-16.2	54	29.88	33.1	12.56	37.74	104	123	A	H
	*	5300	113.49	-	-	105.57	33	12.72	37.8	104	123	P	H
	*	5300	105.84	-	-	97.92	33	12.72	37.8	104	123	A	H
		5353.68	48.82	-25.18	74	41.16	32.71	12.77	37.82	104	123	P	H
		5353.2	39.83	-14.17	54	32.17	32.71	12.77	37.82	104	123	A	H
		5005.1	46.76	-27.24	74	38.97	33.09	12.39	37.69	297	74	P	V
		5093.5	37.19	-16.81	54	29.33	33.09	12.49	37.72	297	74	A	V
	*	5300	110.2	-	-	102.28	33	12.72	37.8	297	74	P	V
	*	5300	102.77	-	-	94.85	33	12.72	37.8	297	74	A	V
		5396.88	46.27	-27.73	74	38.39	32.89	12.82	37.83	297	74	P	V
		5353.2	37.27	-16.73	54	29.61	32.71	12.77	37.82	297	74	A	V



802.11a CH 64 5320MHz	*	5320	113.59	-	-	105.78	32.88	12.74	37.81	100	122	P	H
	*	5320	106.16	-	-	98.35	32.88	12.74	37.81	100	122	A	H
		5357.6	60.28	-13.72	74	52.59	32.73	12.78	37.82	100	122	P	H
		5352.32	48.24	-5.76	54	40.58	32.71	12.77	37.82	100	122	A	H
													H
													H
	*	5320	109.49	-	-	101.68	32.88	12.74	37.81	295	72	P	V
	*	5320	102.29	-	-	94.48	32.88	12.74	37.81	295	72	A	V
		5353.28	56.05	-17.95	74	48.39	32.71	12.77	37.82	295	72	P	V
		5352.96	43.15	-10.85	54	35.49	32.71	12.77	37.82	295	72	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. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preampl Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	48.57	-19.63	68.2	33.18	38.56	18.57	41.74	-	-	P	H
		15780	49.72	-24.28	74	33.51	37.46	23.3	44.55	100	141	P	H
		15780	40.23	-13.77	54	24.02	37.46	23.3	44.55	100	141	A	H
													H
													H
													H
		10520	49.56	-18.64	68.2	34.17	38.56	18.57	41.74	-	-	P	V
		15780	50.37	-23.63	74	34.16	37.46	23.3	44.55	345	251	P	V
		15780	40.47	-13.53	54	24.26	37.46	23.3	44.55	345	251	A	V
													V
													V
													V
802.11a CH 60 5300MHz		10600	49.24	-24.76	74	33.52	38.8	18.64	41.72	125	62	P	H
		10600	40.43	-13.57	54	24.71	38.8	18.64	41.72	125	62	A	H
		15900	49.21	-24.79	74	32.84	37.4	23.41	44.44	100	141	P	H
		15900	40.41	-13.59	54	24.04	37.4	23.41	44.44	100	141	A	H
													H
													H
													H
		10600	49.28	-24.72	74	33.56	38.8	18.64	41.72	325	233	P	V
		10600	40.38	-13.62	54	24.66	38.8	18.64	41.72	325	233	A	V
		15900	50.22	-23.78	74	33.85	37.4	23.41	44.44	345	251	P	V
		15900	40.94	-13.06	54	24.57	37.4	23.41	44.44	345	251	A	V
													V
													V
													V



WIFI Ant. 17+18	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	49.81	-24.19	74	34.02	38.84	18.67	41.72	121	234	P	H
		10640	40.03	-13.97	54	24.24	38.84	18.67	41.72	121	234	A	H
		15960	51.25	-22.75	74	34.65	37.52	23.46	44.38	152	233	P	H
		15960	40.62	-13.38	54	24.02	37.52	23.46	44.38	152	233	A	H
													H
													H
													H
		10640	49.68	-24.32	74	33.89	38.84	18.67	41.72	301	244	P	V
		10640	40.18	-13.82	54	24.39	38.84	18.67	41.72	301	244	A	V
		15960	50.4	-23.6	74	33.8	37.52	23.46	44.38	324	257	P	V
		15960	41.25	-12.75	54	24.65	37.52	23.46	44.38	324	257	A	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. 17+18	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		5014.96	47.35	-26.65	74	39.58	33.07	12.4	37.7	100	123	P	H
		5106.08	37.71	-16.29	54	29.83	33.1	12.51	37.73	100	123	A	H
	*	5260	111.85	-	-	104.11	32.84	12.68	37.78	100	123	P	H
	*	5260	102.86	-	-	95.12	32.84	12.68	37.78	100	123	A	H
		5376	45.56	-28.44	74	37.79	32.8	12.8	37.83	100	123	P	H
		5350.8	36.57	-17.43	54	28.92	32.7	12.77	37.82	100	123	A	H
		5073.44	47.69	-26.31	74	39.89	33.05	12.47	37.72	322	74	P	V
		5099.96	37.41	-16.59	54	29.54	33.1	12.5	37.73	322	74	A	V
	*	5260	110.32	-	-	102.58	32.84	12.68	37.78	322	74	P	V
	*	5260	99.46	-	-	91.72	32.84	12.68	37.78	322	74	A	V
		5389.68	45.45	-28.55	74	37.61	32.86	12.81	37.83	322	74	P	V
		5458.8	35.99	-18.01	54	28.04	32.92	12.89	37.86	322	74	A	V
802.11ax HE20 Full CH 60 5300MHz		5083.3	46.81	-27.19	74	38.98	33.07	12.48	37.72	101	122	P	H
		5145.52	37.56	-16.44	54	29.65	33.1	12.55	37.74	101	122	A	H
	*	5300	113.5	-	-	105.58	33	12.72	37.8	101	122	P	H
	*	5300	103.16	-	-	95.24	33	12.72	37.8	101	122	A	H
		5359.2	53.73	-20.27	74	46.03	32.74	12.78	37.82	101	122	P	H
		5350.08	41.03	-12.97	54	33.38	32.7	12.77	37.82	101	122	A	H
		5056.44	46.78	-27.22	74	39.03	33.01	12.45	37.71	372	89	P	V
		5081.6	37.14	-16.86	54	29.32	33.06	12.48	37.72	372	89	A	V
	*	5300	110.5	-	-	102.58	33	12.72	37.8	372	89	P	V
	*	5300	99.24	-	-	91.32	33	12.72	37.8	372	89	A	V
		5364.72	45.28	-28.72	74	37.56	32.76	12.78	37.82	372	89	P	V
		5350.08	36.72	-17.28	54	29.07	32.7	12.77	37.82	372	89	A	V



802.11ax HE20 Full CH 64 5320MHz	*	5320	112.93	-	-	105.12	32.88	12.74	37.81	100	121	P	H
	*	5320	103.29	-	-	95.48	32.88	12.74	37.81	100	121	A	H
		5352.64	65.01	-8.99	74	57.35	32.71	12.77	37.82	100	121	P	H
		5350.4	50.36	-3.64	54	42.71	32.7	12.77	37.82	100	121	A	H
													H
													H
	*	5320	107.93	-	-	100.12	32.88	12.74	37.81	303	72	P	V
	*	5320	98.42	-	-	90.61	32.88	12.74	37.81	303	72	A	V
		5350.4	57.67	-16.33	74	50.02	32.7	12.77	37.82	303	72	P	V
		5350.08	45.08	-8.92	54	37.43	32.7	12.77	37.82	303	72	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. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preampl Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		10520	48.98	-19.22	68.2	33.59	38.56	18.57	41.74	-	-	P	H
		15780	49.72	-24.28	74	33.51	37.46	23.3	44.55	125	64	P	H
		15780	40.54	-13.46	54	24.33	37.46	23.3	44.55	125	64	A	H
													H
													H
													H
		10520	48.97	-19.23	68.2	33.58	38.56	18.57	41.74	-	-	P	V
		15780	49.51	-24.49	74	33.3	37.46	23.3	44.55	311	235	P	V
		15780	40.93	-13.07	54	24.72	37.46	23.3	44.55	311	235	A	V
													V
													V
													V
													V
													V
802.11ax HE20 Full CH 60 5300MHz		10600	49.96	-24.04	74	34.24	38.8	18.64	41.72	125	66	P	H
		10600	40.34	-13.66	54	24.62	38.8	18.64	41.72	125	66	A	H
		15900	49.35	-24.65	74	32.98	37.4	23.41	44.44	151	134	P	H
		15900	40.44	-13.56	54	24.07	37.4	23.41	44.44	151	134	A	H
													H
													H
													H
		10600	48.93	-25.07	74	33.21	38.8	18.64	41.72	342	215	P	V
		10600	40.14	-13.86	54	24.42	38.8	18.64	41.72	342	215	A	V
		15900	49.83	-24.17	74	33.46	37.4	23.41	44.44	339	254	P	V
		15900	41.14	-12.86	54	24.77	37.4	23.41	44.44	339	254	A	V
													V
													V
													V



WIFI Ant. 17+18	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	50.02	-23.98	74	34.23	38.84	18.67	41.72	116	132	P	H
		10640	40.63	-13.37	54	24.84	38.84	18.67	41.72	116	132	A	H
		15960	50.06	-23.94	74	33.46	37.52	23.46	44.38	134	164	P	H
		15960	41.49	-12.51	54	24.89	37.52	23.46	44.38	134	164	A	H
													H
													H
													H
		10640	49.73	-24.27	74	33.94	38.84	18.67	41.72	325	266	P	V
		10640	40.28	-13.72	54	24.49	38.84	18.67	41.72	325	266	A	V
		15960	50.41	-23.59	74	33.81	37.52	23.46	44.38	356	158	P	V
		15960	41.62	-12.38	54	25.02	37.52	23.46	44.38	356	158	A	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 Partial 26 (Band Edge @ 3m)

WIFI Ant. 17+18	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 Partial 26/8 CH 64 5320MHz	*	5320	120.86	-	-	113.05	32.88	12.74	37.81	100	120	P	H
	*	5320	113.35	-	-	105.54	32.88	12.74	37.81	100	120	A	H
		5352.64	62.68	-11.32	74	55.02	32.71	12.77	37.82	100	120	P	H
		5396.64	45.34	-8.66	54	37.46	32.89	12.82	37.83	100	120	A	H
													H
													H
	*	5320	117.93	-	-	110.12	32.88	12.74	37.81	347	70	P	V
	*	5320	109.79	-	-	101.98	32.88	12.74	37.81	347	70	A	V
		5350.24	54.03	-19.97	74	46.38	32.7	12.77	37.82	347	70	P	V
		5396.8	40.37	-13.63	54	32.49	32.89	12.82	37.83	347	70	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 HE40 Full (Band Edge @ 3m)

WIFI Ant. 17+18	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		5097.24	46.88	-27.12	74	39.02	33.09	12.5	37.73	107	119	P	H
		5148.58	38.55	-15.45	54	30.63	33.1	12.56	37.74	107	119	A	H
	*	5270	108.46	-	-	100.68	32.88	12.69	37.79	107	119	P	H
	*	5270	98.51	-	-	90.73	32.88	12.69	37.79	107	119	A	H
		5353.92	47.68	-26.32	74	40.01	32.72	12.77	37.82	107	119	P	H
		5350.08	38.24	-15.76	54	30.59	32.7	12.77	37.82	107	119	A	H
		5121.38	46.72	-27.28	74	38.82	33.1	12.53	37.73	314	61	P	V
		5141.1	37.88	-16.12	54	29.97	33.1	12.55	37.74	314	61	A	V
	*	5270	105.9	-	-	98.12	32.88	12.69	37.79	314	61	P	V
	*	5270	95.01	-	-	87.23	32.88	12.69	37.79	314	61	A	V
		5358	45.87	-28.13	74	38.18	32.73	12.78	37.82	314	61	P	V
		5352.24	36.22	-17.78	54	28.56	32.71	12.77	37.82	314	61	A	V
802.11ax HE40 Full CH 62 5310MHz		5145.52	46.59	-27.41	74	38.68	33.1	12.55	37.74	100	119	P	H
		5149.94	38	-16	54	30.08	33.1	12.56	37.74	100	119	A	H
	*	5310	107.93	-	-	100.06	32.94	12.73	37.8	100	119	P	H
	*	5310	98.58	-	-	90.71	32.94	12.73	37.8	100	119	A	H
		5352	59.42	-14.58	74	51.76	32.71	12.77	37.82	100	119	P	H
		5350.08	44.63	-9.37	54	36.98	32.7	12.77	37.82	100	119	A	H
		5081.94	46.94	-27.06	74	39.12	33.06	12.48	37.72	368	65	P	V
		5147.9	37.58	-16.42	54	29.66	33.1	12.56	37.74	368	65	A	V
	*	5310	104.14	-	-	96.27	32.94	12.73	37.8	368	65	P	V
	*	5310	94.78	-	-	86.91	32.94	12.73	37.8	368	65	A	V
		5351.04	48.12	-25.88	74	40.47	32.7	12.77	37.82	368	65	P	V
		5350.08	40.26	-13.74	54	32.61	32.7	12.77	37.82	368	65	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. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preampl Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 54 5270MHz		10540	48.41	-19.79	68.2	32.93	38.62	18.59	41.73	-	-	P	H
		15810	50.08	-23.92	74	33.87	37.4	23.33	44.52	145	131	P	H
		15810	40.37	-13.63	54	24.16	37.4	23.33	44.52	145	131	A	H
													H
													H
		10540	48.02	-20.18	68.2	32.54	38.62	18.59	41.73	-	-	P	V
		15810	49.99	-24.01	74	33.78	37.4	23.33	44.52	344	262	P	V
		15810	40.54	-13.46	54	24.33	37.4	23.33	44.52	344	262	A	V
													V
													V
802.11ax HE40 Full CH 62 5310MHz		10620	48.84	-25.16	74	33.08	38.82	18.66	41.72	121	155	P	H
		10620	40.09	-13.91	54	24.33	38.82	18.66	41.72	121	155	A	H
		15930	49.59	-24.41	74	33.1	37.46	23.44	44.41	145	166	P	H
		15930	40.51	-13.49	54	24.02	37.46	23.44	44.41	145	166	A	H
													H
													H
		10620	48.55	-25.45	74	32.79	38.82	18.66	41.72	345	125	P	V
		10620	39.78	-14.22	54	24.02	38.82	18.66	41.72	345	125	A	V
		15930	49.52	-24.48	74	33.03	37.46	23.44	44.41	326	255	P	V
		15930	40.63	-13.37	54	24.14	37.46	23.44	44.41	326	255	A	V
Remark													V
													V

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

**Band 2 5250~5350MHz****WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI Ant. 17+18	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		5132.3	48.31	-25.69	74	40.41	33.1	12.54	37.74	105	120	P	H
		5150	39.1	-14.9	54	31.18	33.1	12.56	37.74	105	120	A	H
	*	5290	104.81	-	-	96.93	32.96	12.71	37.79	105	120	P	H
	*	5290	94.5	-	-	86.62	32.96	12.71	37.79	105	120	A	H
		5353.44	53.24	-20.76	74	45.58	32.71	12.77	37.82	105	120	P	H
		5351.76	43.69	-10.31	54	36.03	32.71	12.77	37.82	105	120	A	H
		5089.7	46.75	-27.25	74	38.9	33.08	12.49	37.72	352	61	P	V
		5145.2	37.97	-16.03	54	30.06	33.1	12.55	37.74	352	61	A	V
	*	5290	101.09	-	-	93.21	32.96	12.71	37.79	352	61	P	V
	*	5290	90.92	-	-	83.04	32.96	12.71	37.79	352	61	A	V
		5354.4	50.97	-23.03	74	43.3	32.72	12.77	37.82	352	61	P	V
		5350.08	39.69	-14.31	54	32.04	32.7	12.77	37.82	352	61	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. 17+18	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	50.14	-18.06	68.2	34.51	38.74	18.62	41.73	-	-	P	H
		15870	49.54	-24.46	74	33.22	37.4	23.38	44.46	145	167	P	H
		15870	40.87	-13.13	54	24.55	37.4	23.38	44.46	145	167	A	H
													H
													H
													H
		10580	49.05	-19.15	68.2	33.42	38.74	18.62	41.73	-	-	P	V
		15870	50.1	-23.9	74	33.78	37.4	23.38	44.46	351	236	P	V
		15870	40.66	-13.34	54	24.34	37.4	23.38	44.46	351	236	A	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. 17+18	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 100 5500MHz		5457.84	57.33	-16.67	74	49.37	32.92	12.89	37.85	101	118	P	H
		5466.8	61.22	-6.98	68.2	53.25	32.93	12.9	37.86	101	118	P	H
		5460	44.7	-9.3	54	36.75	32.92	12.89	37.86	101	118	A	H
	*	5500	113.49	-	-	105.42	33	12.94	37.87	101	118	P	H
	*	5500	106	-	-	97.93	33	12.94	37.87	101	118	A	H
													H
		5459.6	48.74	-25.26	74	40.79	32.92	12.89	37.86	308	78	P	V
		5466.96	54.03	-14.17	68.2	46.06	32.93	12.9	37.86	308	78	P	V
		5460	40.35	-13.65	54	32.4	32.92	12.89	37.86	308	78	A	V
	*	5500	109.65	-	-	101.58	33	12.94	37.87	308	78	P	V
	*	5500	102.31	-	-	94.24	33	12.94	37.87	308	78	A	V
													V
802.11a CH 116 5580MHz		5429.44	46.41	-27.59	74	38.49	32.9	12.86	37.84	102	119	P	H
		5460.88	45.59	-22.61	68.2	37.64	32.92	12.89	37.86	102	119	P	H
		5459.2	37.37	-16.63	54	29.42	32.92	12.89	37.86	102	119	A	H
	*	5580	113.24	-	-	105.01	33.08	13.04	37.89	102	119	P	H
	*	5580	105.58	-	-	97.35	33.08	13.04	37.89	102	119	A	H
		5754.605	47.46	-20.74	68.2	38.25	33.91	13.23	37.93	102	119	P	H
		5454.16	45.72	-28.28	74	37.78	32.91	12.88	37.85	302	79	P	V
		5464.24	45.37	-22.83	68.2	37.4	32.93	12.9	37.86	302	79	P	V
		5459.44	36.41	-17.59	54	28.46	32.92	12.89	37.86	302	79	A	V
	*	5580	109.77	-	-	101.54	33.08	13.04	37.89	302	79	P	V
	*	5580	101.9	-	-	93.67	33.08	13.04	37.89	302	79	A	V
		5750.825	47.7	-20.5	68.2	38.5	33.9	13.23	37.93	302	79	P	V



802.11a CH 140 5700MHz	*	5700	112.71	-	-	103.85	33.6	13.17	37.91	100	118	P	H
	*	5700	105.13	-	-	96.27	33.6	13.17	37.91	100	118	A	H
		5725.64	59.6	-8.6	68.2	50.57	33.75	13.2	37.92	100	118	P	H
													H
													H
													H
	*	5700	109.07	-	-	100.21	33.6	13.17	37.91	333	76	P	V
	*	5700	101.66	-	-	92.8	33.6	13.17	37.91	333	76	A	V
		5728.2	53.2	-15	68.2	44.15	33.77	13.2	37.92	333	76	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 17+18	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 100 5500MHz		11000	50.67	-23.33	74	34.64	38.7	18.99	41.66	145	132	P	H
		11000	40.49	-13.51	54	24.46	38.7	18.99	41.66	145	132	A	H
		16500	50.58	-17.62	68.2	32.98	38.2	23.78	44.38	-	-	P	H
													H
													H
													H
		11000	50.15	-23.85	74	34.12	38.7	18.99	41.66	317	226	P	V
		11000	40.72	-13.28	54	24.69	38.7	18.99	41.66	317	226	A	V
		16500	50.15	-18.05	68.2	32.55	38.2	23.78	44.38	-	-	P	V
													V
													V
													V
802.11a CH 116 5580MHz		11600	50.2	-23.8	74	34.86	38.7	19.37	42.73	337	256	P	H
		11600	40.65	-13.35	54	25.31	38.7	19.37	42.73	337	256	A	H
		16740	51.04	-17.16	68.2	33.3	38.22	23.92	44.4	-	-	P	H
													H
													H
													H
		11600	48.18	-25.82	74	32.84	38.7	19.37	42.73	146	175	P	V
		11600	39.69	-14.31	54	24.35	38.7	19.37	42.73	146	175	A	V
		16740	51.4	-16.8	68.2	33.66	38.22	23.92	44.4	-	-	P	V
													V
													V
													V



WIFI Ant. 17+18	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		11400	49.8	-24.2	74	33.92	39.1	19.24	42.46	105	116	P	H
		11400	40.21	-13.79	54	24.33	39.1	19.24	42.46	105	116	A	H
		17098	50.45	-17.75	68.2	32.91	38	24.1	44.56	-	-	P	H
													H
													H
													H
		11400	49.28	-24.72	74	33.4	39.1	19.24	42.46	355	169	P	V
		11400	40.9	-13.1	54	25.02	39.1	19.24	42.46	355	169	A	V
		17098	49.96	-18.24	68.2	32.42	38	24.1	44.56	-	-	P	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 3 - 5470~5725MHz

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

WIFI Ant. 17+18	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		5447.92	56.2	-17.8	74	48.27	32.9	12.88	37.85	100	120	P	H
		5466.8	63.96	-4.24	68.2	55.99	32.93	12.9	37.86	100	120	P	H
		5459.92	44.67	-9.33	54	36.72	32.92	12.89	37.86	100	120	A	H
	*	5500	113.78	-	-	105.71	33	12.94	37.87	100	120	P	H
	*	5500	103.25	-	-	95.18	33	12.94	37.87	100	120	A	H
		5454.64	50.39	-23.61	74	42.44	32.91	12.89	37.85	314	78	P	V
		5469.68	52.82	-15.38	68.2	44.84	32.94	12.9	37.86	314	78	P	V
		5460	40.25	-13.75	54	32.3	32.92	12.89	37.86	314	78	A	V
	*	5500	109.38	-	-	101.31	33	12.94	37.87	314	78	P	V
	*	5500	99.21	-	-	91.14	33	12.94	37.87	314	78	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5425.36	46.03	-27.97	74	38.12	32.9	12.85	37.84	100	119	P	H
		5464.48	45.93	-22.27	68.2	37.96	32.93	12.9	37.86	100	119	P	H
		5459.2	37.33	-16.67	54	29.38	32.92	12.89	37.86	100	119	A	H
	*	5580	113.21	-	-	104.98	33.08	13.04	37.89	100	119	P	H
	*	5580	102.84	-	-	94.61	33.08	13.04	37.89	100	119	A	H
		5760.275	47.57	-20.63	68.2	38.34	33.92	13.24	37.93	100	119	P	H
		5427.52	46.71	-27.29	74	38.8	32.9	12.85	37.84	298	79	P	V
		5468.56	45.14	-23.06	68.2	37.16	32.94	12.9	37.86	298	79	P	V
		5458.72	36.43	-17.57	54	28.48	32.92	12.89	37.86	298	79	A	V
	*	5580	109.39	-	-	101.16	33.08	13.04	37.89	298	79	P	V
	*	5580	99.27	-	-	91.04	33.08	13.04	37.89	298	79	A	V
		5759.96	47.84	-20.36	68.2	38.61	33.92	13.24	37.93	298	79	P	V



802.11ax HE20 Full CH 140 5700MHz	*	5700	110.64	-	-	101.78	33.6	13.17	37.91	100	120	P	H
	*	5700	100.76	-	-	91.9	33.6	13.17	37.91	100	120	A	H
		5728.92	61.14	-7.06	68.2	52.09	33.77	13.2	37.92	100	120	P	H
													H
													H
													H
	*	5700	106.89	-	-	98.03	33.6	13.17	37.91	335	76	P	V
	*	5700	97.09	-	-	88.23	33.6	13.17	37.91	335	76	A	V
		5726.6	56.54	-11.66	68.2	47.5	33.76	13.2	37.92	335	76	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. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preampl Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		11000	49.73	-24.27	74	33.7	38.7	18.99	41.66	156	67	P	H
		11000	40.35	-13.65	54	24.32	38.7	18.99	41.66	156	67	A	H
		16500	50.63	-17.57	68.2	33.03	38.2	23.78	44.38	-	-	P	H
													H
													H
													H
		11000	49.47	-24.53	74	33.44	38.7	18.99	41.66	354	264	P	V
		11000	40.28	-13.72	54	24.25	38.7	18.99	41.66	354	264	A	V
		16500	50.72	-17.48	68.2	33.12	38.2	23.78	44.38	-	-	P	V
													V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		11600	47.84	-26.16	74	32.5	38.7	19.37	42.73	-	-	P	H
		16740	50.84	-17.36	68.2	33.1	38.22	23.92	44.4	-	-	P	H
													H
													H
													H
		11600	49.38	-24.62	74	34.04	38.7	19.37	42.73	345	154	P	V
		11600	39.5	-14.5	54	24.16	38.7	19.37	42.73	345	154	A	V
		16740	52.12	-16.08	68.2	34.38	38.22	23.92	44.4	-	-	P	V
													V
													V
													V



WIFI Ant. 17+18	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		11400	49.3	-24.7	74	33.42	39.1	19.24	42.46	152	85	P	H
		11400	40.26	-13.74	54	24.38	39.1	19.24	42.46	152	85	A	H
		17100	49.87	-18.33	68.2	32.33	38	24.1	44.56	-	-	P	H
													H
													H
													H
		11400	49.64	-24.36	74	33.76	39.1	19.24	42.46	335	192	P	V
		11400	40.41	-13.59	54	24.53	39.1	19.24	42.46	335	192	A	V
		17100	50.62	-17.58	68.2	33.08	38	24.1	44.56	-	-	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant. 17+18	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 Partial 26/0 CH 100 5500MHz		5458.16	57.27	-16.73	74	49.31	32.92	12.89	37.85	210	300	P	H
		5469.68	64.17	-4.03	68.2	56.19	32.94	12.9	37.86	210	300	P	H
		5423.28	44.45	-9.55	54	36.54	32.9	12.85	37.84	210	300	A	H
	*	5500	120.82	-	-	112.75	33	12.94	37.87	210	300	P	H
	*	5500	113.15	-	-	105.08	33	12.94	37.87	210	300	A	H
													H
		5456.88	52.65	-21.35	74	44.7	32.91	12.89	37.85	378	28	P	V
		5470	61.88	-6.32	68.2	53.9	32.94	12.9	37.86	378	28	P	V
		5422.64	38.32	-15.68	54	30.41	32.9	12.85	37.84	378	28	A	V
	*	5500	119.49	-	-	111.42	33	12.94	37.87	378	28	P	V
	*	5500	110.85	-	-	102.78	33	12.94	37.87	378	28	A	V
													V
802.11ax HE20 Partial 26/8 CH 140 5700MHz	*	5700	119.11	-	-	110.25	33.6	13.17	37.91	100	117	P	H
	*	5700	110.38	-	-	101.52	33.6	13.17	37.91	100	117	A	H
		5727.88	61.49	-6.71	68.2	52.44	33.77	13.2	37.92	100	117	P	H
													H
													H
													H
	*	5700	115.05	-	-	106.19	33.6	13.17	37.91	294	66	P	V
	*	5700	105.28	-	-	96.42	33.6	13.17	37.91	294	66	A	V
		5726.2	52.81	-15.39	68.2	43.77	33.76	13.2	37.92	294	66	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 HE40 Full (Band Edge @ 3m)

WIFI Ant. 17+18	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 102 5510MHz		5453.2	60.16	-13.84	74	52.22	32.91	12.88	37.85	100	120	P	H
		5467.84	62.19	-6.01	68.2	54.21	32.94	12.9	37.86	100	120	P	H
		5459.92	44.35	-9.65	54	36.4	32.92	12.89	37.86	100	120	A	H
	*	5510	107.88	-	-	99.82	32.98	12.95	37.87	100	120	P	H
	*	5510	98.74	-	-	90.68	32.98	12.95	37.87	100	120	A	H
		5760.275	47.7	-20.5	68.2	38.47	33.92	13.24	37.93	100	120	P	H
		5458	52.12	-21.88	74	44.16	32.92	12.89	37.85	396	26	P	V
		5468.08	54.62	-13.58	68.2	46.64	32.94	12.9	37.86	396	26	P	V
		5459.92	39.36	-14.64	54	31.41	32.92	12.89	37.86	396	26	A	V
	*	5510	105.31	-	-	97.25	32.98	12.95	37.87	396	26	P	V
	*	5510	95.29	-	-	87.23	32.98	12.95	37.87	396	26	A	V
		5743.58	46.38	-21.82	68.2	37.22	33.86	13.22	37.92	396	26	P	V
802.11ax HE40 Full CH 110 5550MHz		5445.52	47.97	-26.03	74	40.05	32.9	12.87	37.85	100	121	P	H
		5465.68	49.52	-18.68	68.2	41.55	32.93	12.9	37.86	100	121	P	H
		5459.92	38.88	-15.12	54	30.93	32.92	12.89	37.86	100	121	A	H
	*	5550	107.37	-	-	99.35	32.9	13	37.88	100	121	P	H
	*	5550	97.94	-	-	89.92	32.9	13	37.88	100	121	A	H
		5759.96	47.73	-20.47	68.2	38.5	33.92	13.24	37.93	100	121	P	H
		5425.6	46.17	-27.83	74	38.26	32.9	12.85	37.84	319	86	P	V
		5464.96	45.66	-22.54	68.2	37.69	32.93	12.9	37.86	319	86	P	V
		5458.48	36.74	-17.26	54	28.79	32.92	12.89	37.86	319	86	A	V
	*	5550	103.17	-	-	95.15	32.9	13	37.88	319	86	P	V
	*	5550	94.01	-	-	85.99	32.9	13	37.88	319	86	A	V
		5760.275	48.09	-20.11	68.2	38.86	33.92	13.24	37.93	319	86	P	V



802.11ax HE40 Full CH 134 5670MHz		5392	45.26	-28.74	74	37.41	32.87	12.81	37.83	100	119	P	H
		5464.45	46.5	-21.7	68.2	38.53	32.93	12.9	37.86	100	119	P	H
		5459.9	36.06	-17.94	54	28.11	32.92	12.89	37.86	100	119	A	H
	*	5670	108.81	-	-	100.22	33.36	13.14	37.91	100	119	P	H
	*	5670	98.21	-	-	89.62	33.36	13.14	37.91	100	119	A	H
		5725.8	55.22	-12.98	68.2	46.19	33.75	13.2	37.92	100	119	P	H
		5420	45.36	-28.64	74	37.46	32.9	12.84	37.84	299	76	P	V
		5462	45.58	-22.62	68.2	37.63	32.92	12.89	37.86	299	76	P	V
		5458.15	35.64	-18.36	54	27.68	32.92	12.89	37.85	299	76	A	V
	*	5670	103.97	-	-	95.38	33.36	13.14	37.91	299	76	P	V
	*	5670	94.22	-	-	85.63	33.36	13.14	37.91	299	76	A	V
		5726.15	53.14	-15.06	68.2	44.1	33.76	13.2	37.92	299	76	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. 17+18	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 102 5510MHz		11020	49.07	-24.93	74	33.07	38.7	19	41.7	155	143	P	H
		11020	40.07	-13.93	54	24.07	38.7	19	41.7	155	143	A	H
		16530	50.95	-17.25	68.2	33.35	38.17	23.81	44.38	-	-	P	H
													H
													H
													H
		11020	49.9	-24.1	74	33.9	38.7	19	41.7	352	285	P	V
		11020	40.53	-13.47	54	24.53	38.7	19	41.7	352	285	A	V
		16530	50.32	-17.88	68.2	32.72	38.17	23.81	44.38	-	-	P	V
													V
													V
													V
802.11ax HE40 Full CH 110 5550MHz		11100	49.82	-24.18	74	33.93	38.7	19.05	41.86	153	135	P	H
		11100	40.92	-13.08	54	25.03	38.7	19.05	41.86	153	135	A	H
		16650	50.7	-17.5	68.2	33.02	38.2	23.87	44.39	-	-	P	H
													H
													H
													H
		11100	49.56	-24.44	74	33.67	38.7	19.05	41.86	336	235	P	V
		11100	40.53	-13.47	54	24.64	38.7	19.05	41.86	336	235	A	V
		16650	50.77	-17.43	68.2	33.09	38.2	23.87	44.39	-	-	P	V
													V
													V
													V



WIFI Ant. 17+18	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		11340	48.69	-25.31	74	32.85	38.98	19.2	42.34	162	43	P	H
		11340	39.88	-14.12	54	24.04	38.98	19.2	42.34	162	43	A	H
		17010	50.45	-17.75	68.2	32.72	38.09	24.07	44.43	-	-	P	H
													H
													H
													H
		11340	49.34	-24.66	74	33.5	38.98	19.2	42.34	354	226	P	V
		11340	40.21	-13.79	54	24.37	38.98	19.2	42.34	354	226	A	V
		17010	50.71	-17.49	68.2	32.98	38.09	24.07	44.43	-	-	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.												



Band 3 5470~5725MHz

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

WIFI Ant. 17+18	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		5437.6	55.94	-18.06	74	48.02	32.9	12.87	37.85	101	119	P	H
		5464.96	54.86	-13.34	68.2	46.89	32.93	12.9	37.86	101	119	P	H
		5459.68	44.05	-9.95	54	36.1	32.92	12.89	37.86	101	119	A	H
	*	5530	103.42	-	-	95.38	32.94	12.98	37.88	101	119	P	H
	*	5530	93.98	-	-	85.94	32.94	12.98	37.88	101	119	A	H
		5752.4	47.82	-20.38	68.2	38.62	33.9	13.23	37.93	101	119	P	H
		5458.48	48.68	-25.32	74	40.73	32.92	12.89	37.86	275	88	P	V
		5468.08	48.66	-19.54	68.2	40.68	32.94	12.9	37.86	275	88	P	V
		5459.92	40.33	-13.67	54	32.38	32.92	12.89	37.86	275	88	A	V
	*	5530	99.22	-	-	91.18	32.94	12.98	37.88	275	88	P	V
	*	5530	89.76	-	-	81.72	32.94	12.98	37.88	275	88	A	V
		5746.415	47.04	-21.16	68.2	37.86	33.88	13.22	37.92	275	88	P	V
802.11ax HE80 Full CH 122 5610MHz		5436.8	48.58	-25.42	74	40.67	32.9	12.86	37.85	100	118	P	H
		5464.45	47.24	-20.96	68.2	39.27	32.93	12.9	37.86	100	118	P	H
		5458.85	37.97	-16.03	54	30.02	32.92	12.89	37.86	100	118	A	H
	*	5610	104.96	-	-	96.58	33.2	13.07	37.89	100	118	P	H
	*	5610	94.5	-	-	86.12	33.2	13.07	37.89	100	118	A	H
		5736.475	51.47	-16.73	68.2	42.36	33.82	13.21	37.92	100	118	P	H
		5459.2	46	-28	74	38.05	32.92	12.89	37.86	273	81	P	V
		5460.25	46.83	-21.37	68.2	38.88	32.92	12.89	37.86	273	81	P	V
		5459.55	36.7	-17.3	54	28.75	32.92	12.89	37.86	273	81	A	V
	*	5610	99.53	-	-	91.15	33.2	13.07	37.89	273	81	P	V
	*	5610	89.66	-	-	81.28	33.2	13.07	37.89	273	81	A	V
		5726.85	47.99	-20.21	68.2	38.95	33.76	13.2	37.92	273	81	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. 17+18	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		11060	49.54	-24.46	74	33.6	38.7	19.02	41.78	156	96	P	H
		11060	40.21	-13.79	54	24.27	38.7	19.02	41.78	156	96	A	H
		16590	50.58	-17.62	68.2	33.02	38.11	23.84	44.39	-	-	P	H
													H
													H
													H
		11060	49.38	-24.62	74	33.44	38.7	19.02	41.78	355	241	P	V
		11060	39.98	-14.02	54	24.04	38.7	19.02	41.78	355	241	A	V
		16590	51.31	-16.89	68.2	33.75	38.11	23.84	44.39	-	-	P	V
													V
													V
													V
802.11ax HE80 Full CH 122 5610MHz		11220	49.49	-24.51	74	33.64	38.82	19.13	42.1	156	125	P	H
		11220	40.18	-13.82	54	24.33	38.82	19.13	42.1	156	125	A	H
		16830	50.38	-17.82	68.2	32.81	38.01	23.97	44.41	-	-	P	H
													H
													H
													H
		11220	50.46	-23.54	74	34.61	38.82	19.13	42.1	332	203	P	V
		11220	39.91	-14.09	54	24.06	38.82	19.13	42.1	332	203	A	V
		16830	51.15	-17.05	68.2	33.58	38.01	23.97	44.41	-	-	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.												



Band 3 5470~5725MHz

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

WIFI Ant. 17+18	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		5438.2	57.18	-16.82	74	49.26	32.9	12.87	37.85	116	121	P	H
		5466.55	51.97	-16.23	68.2	44	32.93	12.9	37.86	116	121	P	H
		5457.8	43.41	-10.59	54	35.45	32.92	12.89	37.85	116	121	A	H
	*	5570	100.29	-	-	92.14	33.02	13.02	37.89	116	121	P	H
	*	5570	89.79	-	-	81.64	33.02	13.02	37.89	116	121	A	H
		5749.88	50.22	-17.98	68.2	41.02	33.9	13.22	37.92	116	121	P	H
		5442.05	53.43	-20.57	74	45.51	32.9	12.87	37.85	293	94	P	V
		5467.6	51.95	-16.25	68.2	43.97	32.94	12.9	37.86	293	94	P	V
		5442.4	40.69	-13.31	54	32.77	32.9	12.87	37.85	293	94	A	V
	*	5570	94.58	-	-	86.43	33.02	13.02	37.89	293	94	P	V
	*	5570	85.77	-	-	77.62	33.02	13.02	37.89	293	94	A	V
		5733.185	47.83	-20.37	68.2	38.74	33.8	13.21	37.92	293	94	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. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preampl Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 114 5570MHz		11400	49.8	-24.2	74	33.92	39.1	19.24	42.46	125	67	P	H
		11400	40.3	-13.7	54	24.42	39.1	19.24	42.46	125	67	A	H
		16710	51.16	-17.04	68.2	33.37	38.28	23.91	44.4	-	-	P	H
													H
													H
													H
		11400	49.82	-24.18	74	33.94	39.1	19.24	42.46	330	225	P	V
		11400	40.21	-13.79	54	24.33	39.1	19.24	42.46	330	225	A	V
		16710	50.73	-17.47	68.2	32.94	38.28	23.91	44.4	-	-	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.												



Band 3 - Straddle Channel
WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 17+18	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		5441.65	45.01	-28.99	74	37.09	32.9	12.87	37.85	100	120	P	H
		5463.88	43.46	-24.74	68.2	35.49	32.93	12.9	37.86	100	120	P	H
		5459.59	36.23	-17.77	54	28.28	32.92	12.89	37.86	100	120	A	H
	*	5720	112.5	-	-	103.51	33.72	13.19	37.92	100	120	P	H
	*	5720	104.76	-	-	95.77	33.72	13.19	37.92	100	120	A	H
		5922.5	47	-21.2	68.2	37.29	34.24	13.43	37.96	100	120	P	H
		5443.6	45.59	-28.41	74	37.67	32.9	12.87	37.85	320	76	P	V
		5462.32	43.56	-24.64	68.2	35.61	32.92	12.89	37.86	320	76	P	V
		5459.98	35.99	-18.01	54	28.04	32.92	12.89	37.86	320	76	A	V
	*	5720	109.33	-	-	100.34	33.72	13.19	37.92	320	76	P	V
	*	5720	101.85	-	-	92.86	33.72	13.19	37.92	320	76	A	V
		5928.25	47.1	-21.1	68.2	37.37	34.26	13.43	37.96	320	76	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. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preampl Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	49.94	-24.06	74	34.19	39.02	19.27	42.54	125	144	P	H
		11440	40.08	-13.92	54	24.33	39.02	19.27	42.54	125	144	A	H
		17160	50.63	-17.57	68.2	33.15	38	24.12	44.64	-	-	P	H
													H
													H
													H
		11440	49.29	-24.71	74	33.54	39.02	19.27	42.54	332	225	P	V
		11440	40.05	-13.95	54	24.3	39.02	19.27	42.54	332	225	A	V
		17160	50.09	-18.11	68.2	32.61	38	24.12	44.64	-	-	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.												



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

WIFI Ant. 17+18	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		5432.29	45.23	-28.77	74	37.32	32.9	12.86	37.85	100	120	P	H
		5468.95	44.28	-23.92	68.2	36.3	32.94	12.9	37.86	100	120	P	H
		5459.98	36.16	-17.84	54	28.21	32.92	12.89	37.86	100	120	A	H
	*	5720	112.11	-	-	103.12	33.72	13.19	37.92	100	120	P	H
	*	5720	102.23	-	-	93.24	33.72	13.19	37.92	100	120	A	H
		5912	47.42	-20.78	68.2	37.75	34.22	13.41	37.96	100	120	P	H
		5398.75	45.42	-28.58	74	37.53	32.9	12.82	37.83	320	77	P	V
		5461.93	43.83	-24.37	68.2	35.88	32.92	12.89	37.86	320	77	P	V
		5459.98	35.95	-18.05	54	28	32.92	12.89	37.86	320	77	A	V
	*	5720	109.2	-	-	100.21	33.72	13.19	37.92	320	77	P	V
	*	5720	99.15	-	-	90.16	33.72	13.19	37.92	320	77	A	V
		5861.75	47.2	-21	68.2	37.68	34.12	13.35	37.95	320	77	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. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preampl Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 144 5720MHz		11400	50.52	-23.48	74	34.64	39.1	19.24	42.46	126	84	P	H
		11400	40.2	-13.8	54	24.32	39.1	19.24	42.46	126	84	A	H
		17610	51.18	-17.02	68.2	33.26	38.86	24.25	45.19	-	-	P	H
													H
													H
													H
		11400	49.85	-24.15	74	33.97	39.1	19.24	42.46	322	165	P	V
		11400	40.02	-13.98	54	24.14	39.1	19.24	42.46	322	165	A	V
		17610	51.66	-16.54	68.2	33.74	38.86	24.25	45.19	-	-	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.												

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

WIFI Ant. 17+18	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 142 5710MHz		5444.77	47.04	-26.96	74	39.12	32.9	12.87	37.85	100	119	P	H
		5464.27	45.58	-22.62	68.2	37.61	32.93	12.9	37.86	100	119	P	H
		5459.2	36.48	-17.52	54	28.53	32.92	12.89	37.86	100	119	A	H
	*	5710	109.35	-	-	100.43	33.66	13.18	37.92	100	119	P	H
	*	5710	98.41	-	-	89.49	33.66	13.18	37.92	100	119	A	H
		5852.5	50.2	-18	68.2	40.71	34.1	13.34	37.95	100	119	P	H
		5378.08	44.92	-29.08	74	37.14	32.81	12.8	37.83	301	77	P	V
		5463.88	44.41	-23.79	68.2	36.44	32.93	12.9	37.86	301	77	P	V
		5459.98	36.13	-17.87	54	28.18	32.92	12.89	37.86	301	77	A	V
	*	5710	104.79	-	-	95.87	33.66	13.18	37.92	301	77	P	V
	*	5710	94.7	-	-	85.78	33.66	13.18	37.92	301	77	A	V
		5930.5	47.85	-20.35	68.2	38.11	34.26	13.44	37.96	301	77	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. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preampl Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		11420	49.64	-24.36	74	33.83	39.06	19.25	42.5	125	76	P	H
		11420	39.87	-14.13	54	24.06	39.06	19.25	42.5	125	76	A	H
		17130	50.45	-17.75	68.2	32.94	38	24.11	44.6	-	-	P	H
													H
													H
													H
		11420	49.12	-24.88	74	33.31	39.06	19.25	42.5	332	214	P	V
		11420	40.33	-13.67	54	24.52	39.06	19.25	42.5	332	214	A	V
		17130	50.48	-17.72	68.2	32.97	38	24.11	44.6	-	-	P	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



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

WIFI Ant. 17+18	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		5422.93	47.3	-26.7	74	39.39	32.9	12.85	37.84	100	120	P	H
		5460.76	46.72	-21.48	68.2	38.77	32.92	12.89	37.86	100	120	P	H
		5458.81	37.61	-16.39	54	29.66	32.92	12.89	37.86	100	120	A	H
	*	5690	103.86	-	-	95.09	33.52	13.16	37.91	100	120	P	H
	*	5690	94.29	-	-	85.52	33.52	13.16	37.91	100	120	A	H
		5854.9	49.25	-18.95	68.2	39.74	34.11	13.35	37.95	100	120	P	H
		5456.86	45.87	-28.13	74	37.92	32.91	12.89	37.85	282	79	P	V
		5465.05	45.84	-22.36	68.2	37.87	32.93	12.9	37.86	282	79	P	V
		5459.59	36.79	-17.21	54	28.84	32.92	12.89	37.86	282	79	A	V
	*	5690	100.66	-	-	91.89	33.52	13.16	37.91	282	79	P	V
	*	5690	90.97	-	-	82.2	33.52	13.16	37.91	282	79	A	V
		5916.1	48.88	-19.32	68.2	39.19	34.23	13.42	37.96	282	79	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. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preampl Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		11380	49.68	-24.32	74	33.81	39.06	19.23	42.42	146	75	P	H
		11380	40.14	-13.86	54	24.27	39.06	19.23	42.42	146	75	A	H
		17070	50.49	-17.71	68.2	32.89	38.03	24.09	44.52	-	-	P	H
													H
													H
													H
		11380	50.2	-23.8	74	34.33	39.06	19.23	42.42	332	156	P	V
		11380	39.9	-14.1	54	24.03	39.06	19.23	42.42	332	156	A	V
		17070	50.74	-17.46	68.2	33.14	38.03	24.09	44.52	-	-	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.												



Emission below 1GHz
WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI Ant. 17+18	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 LF		100.81	23.42	-20.08	43.5	41.23	16.09	1.75	35.65	-	-	P	H
		206.54	23.87	-19.63	43.5	41.75	15.09	2.49	35.46	-	-	P	H
		287.05	31.04	-14.96	46	44.24	19.12	2.96	35.28	-	-	P	H
		430.61	26.56	-19.44	46	34.97	22.85	3.63	34.89	-	-	P	H
		722.58	29.99	-16.01	46	32.33	26.91	4.74	33.99	-	-	P	H
		953.44	34.82	-11.18	46	31.8	30.54	5.62	33.14	-	-	P	H
													H
													H
													H
													H
													H
													H
		31.94	33.65	-6.35	40	44.9	23.49	0.98	35.72	-	-	P	V
		168.71	24.13	-19.37	43.5	41.81	15.6	2.25	35.53	-	-	P	V
		287.05	22.09	-23.91	46	35.29	19.12	2.96	35.28	-	-	P	V
		498.51	25.71	-20.29	46	32.6	23.89	3.96	34.74	-	-	P	V
		641.1	29.09	-16.91	46	32.76	26.16	4.44	34.27	-	-	P	V
		940.83	34.42	-11.58	46	32.07	29.95	5.59	33.19	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



<EUT with WPC Charging Mode>

Band 2 - 5250~5350MHz

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

WIFI Ant. 17+18	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	*	5320	108.93	-	-	101.12	32.88	12.74	37.81	167	360	P	H
	*	5320	97.82	-	-	90.01	32.88	12.74	37.81	167	360	A	H
		5353.76	59.75	-14.25	74	52.08	32.72	12.77	37.82	167	360	P	H
		5350.56	48.33	-5.67	54	40.68	32.7	12.77	37.82	167	360	A	H
													H
													H
	*	5320	107.96	-	-	100.15	32.88	12.74	37.81	100	12	P	V
	*	5320	97.76	-	-	89.95	32.88	12.74	37.81	100	12	A	V
		5350.4	58.46	-15.54	74	50.81	32.7	12.77	37.82	100	12	P	V
		5350.4	46.8	-7.2	54	39.15	32.7	12.77	37.82	100	12	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. 17+18	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	50.43	-23.57	74	34.64	38.84	18.26	41.72	128	320	P	H
		10640	40.35	-13.65	54	24.56	38.84	18.26	41.72	128	320	A	H
		15960	50.65	-23.35	74	34.05	37.52	23.21	44.38	137	311	P	H
		15960	41.25	-12.75	54	24.65	37.52	23.21	44.38	137	311	A	H
													H
													H
													H
		10640	50.87	-23.13	74	35.08	38.84	18.26	41.72	314	217	P	V
		10640	40.07	-13.93	54	24.28	38.84	18.26	41.72	314	217	A	V
		15960	50.82	-23.18	74	34.22	37.52	23.21	44.38	322	258	P	V
		15960	41.13	-12.87	54	24.53	37.52	23.21	44.38	322	258	A	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI Ant. 17+18	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 LF		97.9	30.41	-13.09	43.5	48.71	15.63	1.65	35.65	-	-	P	H
		211.39	27.48	-16.02	43.5	45.34	15.07	2.46	35.45	-	-	P	H
		334.58	29.85	-16.15	46	41.86	19.95	3.11	35.15	-	-	P	H
		566.41	27.58	-18.42	46	32.03	25.88	4.05	34.52	-	-	P	H
		746.83	33.05	-12.95	46	34.46	27.67	4.64	33.9	-	-	P	H
		940.83	34.53	-11.47	46	32.18	29.95	5.21	33.19	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		44.55	23.29	-16.71	40	41.04	16.86	1.09	35.72	-	-	P	V
		209.45	26.36	-17.14	43.5	44.22	15.1	2.44	35.46	-	-	P	V
		334.58	28.74	-17.26	46	40.75	19.95	3.11	35.15	-	-	P	V
		746.83	36.04	-9.96	46	37.45	27.67	4.64	33.9	-	-	P	V
		875.84	33.31	-12.69	46	32.62	28.74	5.05	33.44	-	-	P	V
		959.26	35.47	-10.53	46	32.21	30.72	5.26	33.11	-	-	P	V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



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	Peak or Average
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.	
17+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		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 :	Bill Chang, JC Liang and Nick Yu	Temperature :	18~20°C
		Relative Humidity :	65~68%

Note symbol

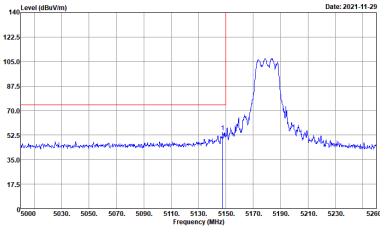
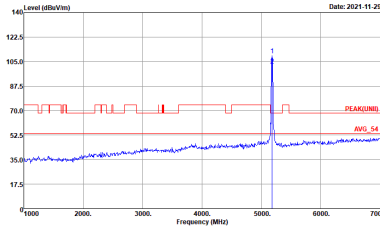
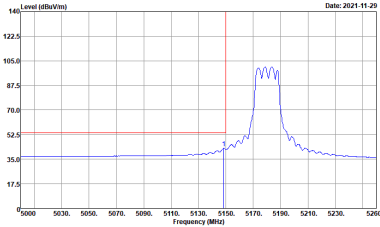
-L	Low channel location
-R	High channel location



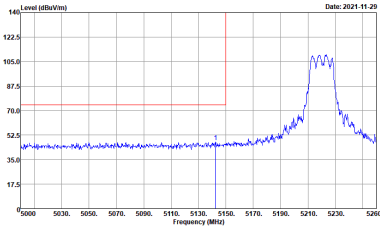
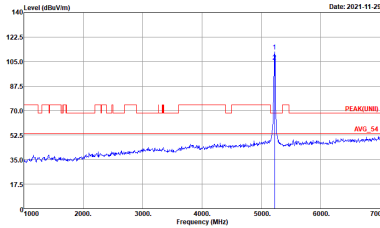
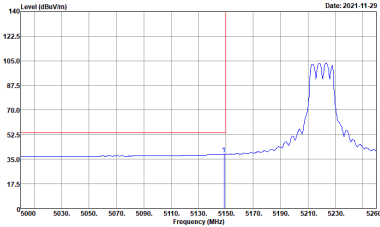
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
17+18	Horizontal	Fundamental
Peak	Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HV Condition : PEAK(FUND) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

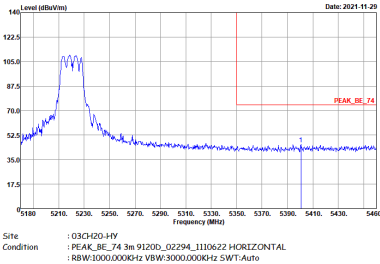
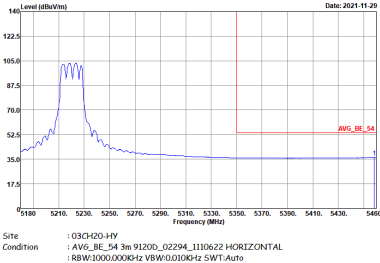


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

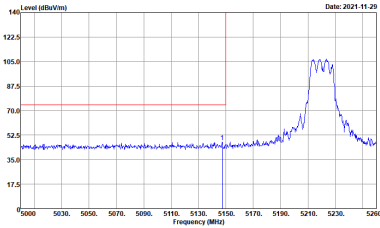
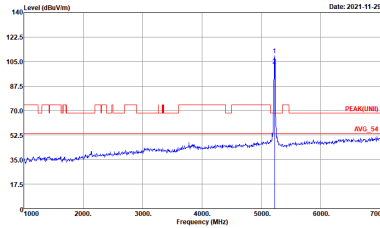
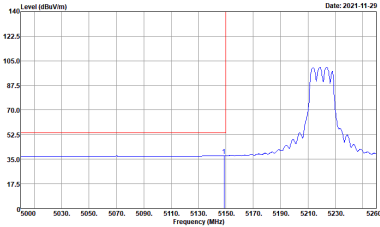


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL RBW:1000.000kHz VBW:10.000kHz SWT:Auto	Left blank



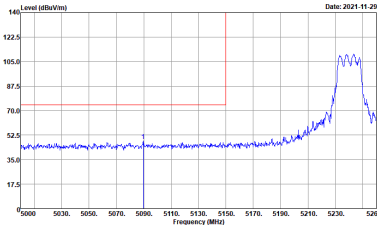
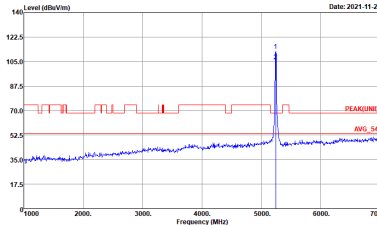
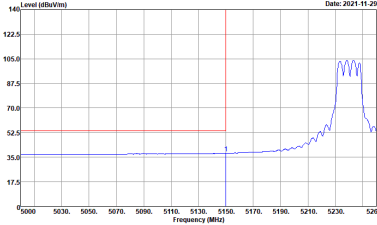
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
17+18	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



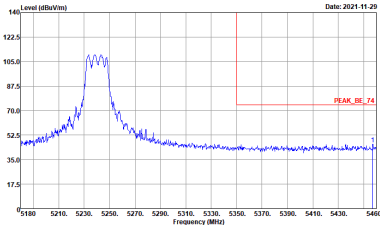
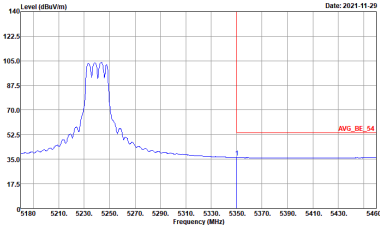
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000kHz VBW:3000.0000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UND)_1 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000kHz VBW:3000.0000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000kHz VBW:0.0100kHz SWT:Auto	Left blank



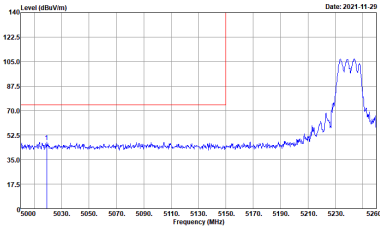
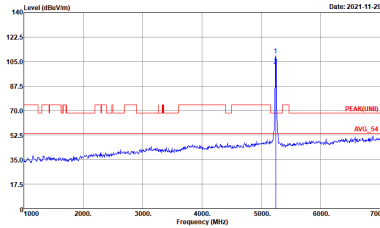
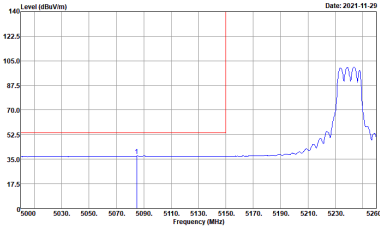
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
17+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(FUND) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

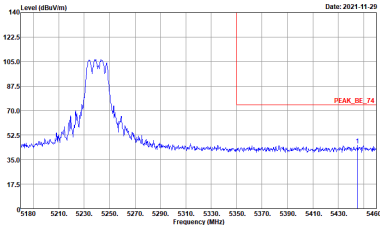
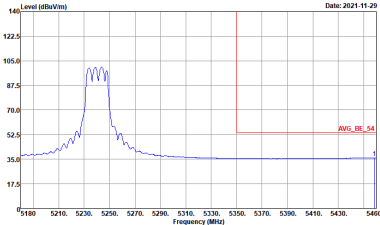


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UND) 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



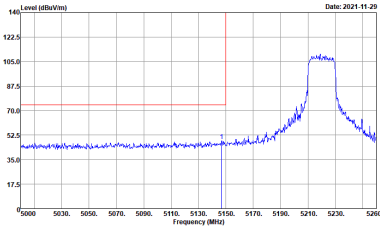
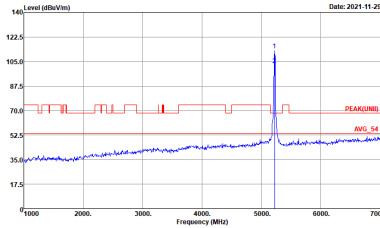
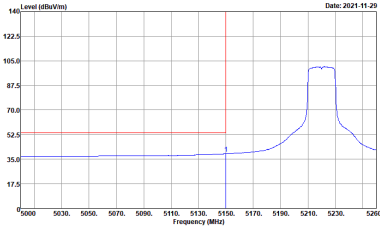
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
17+18	Horizontal	Fundamental
Peak	Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HV Condition : PEAK(FUND) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

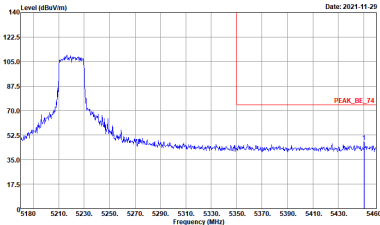
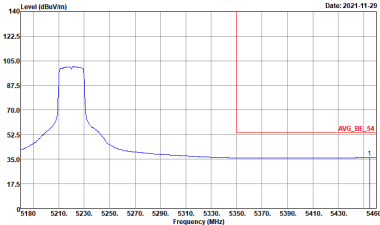


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
17+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank



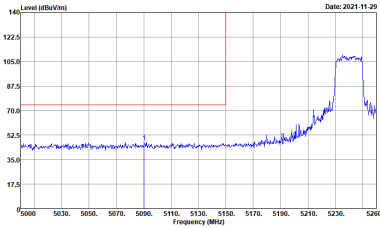
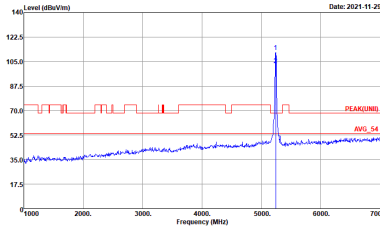
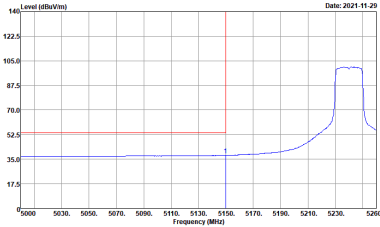
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
17+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
17+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

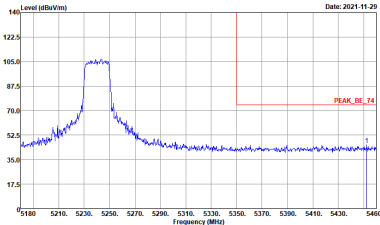
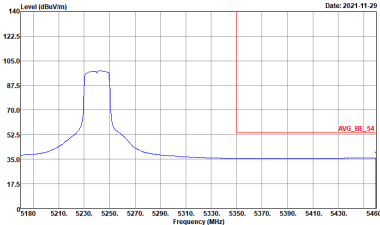


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
17+18	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

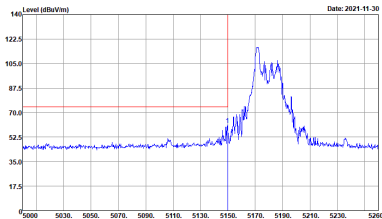
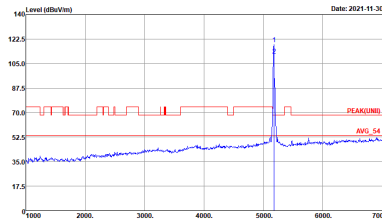
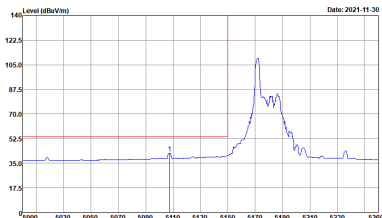


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
17+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

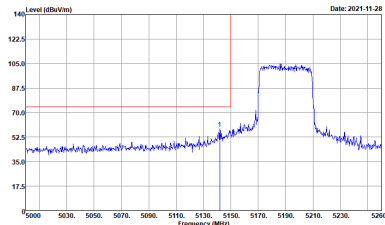
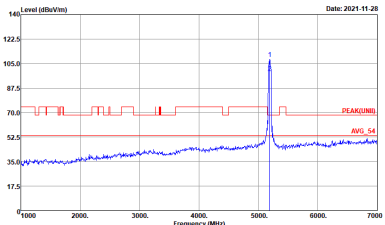
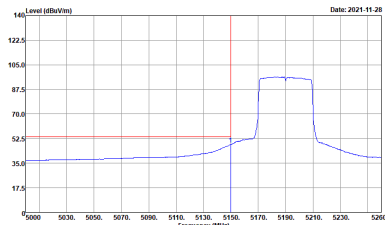
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH36 5180MHz	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

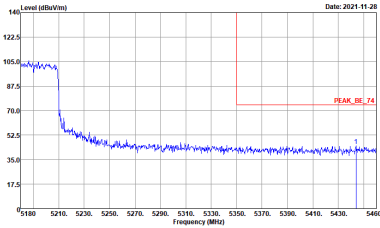
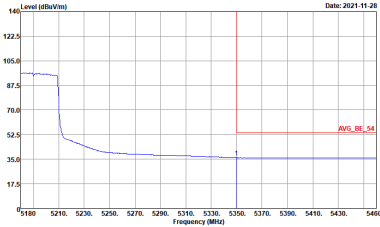


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH36 5180MHz	
17+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

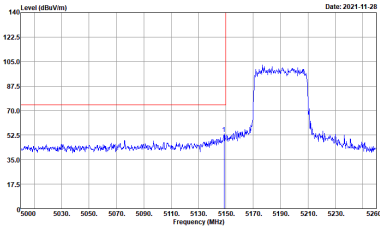
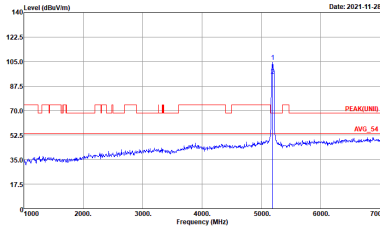
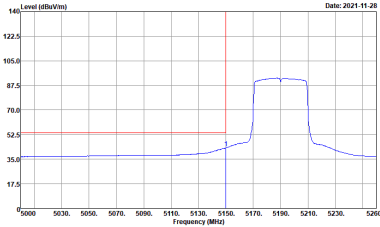
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



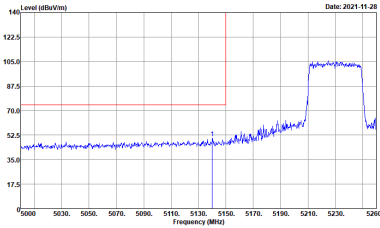
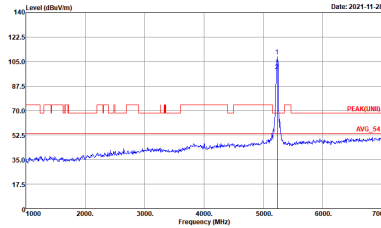
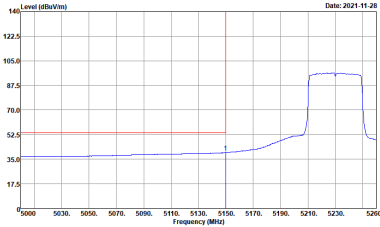
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank



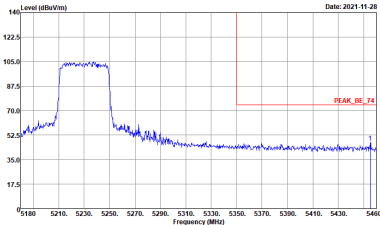
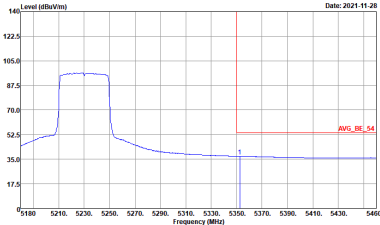
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

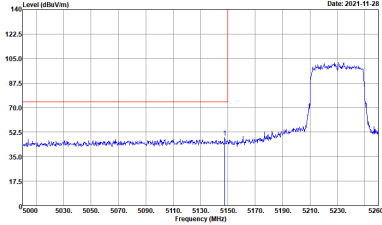
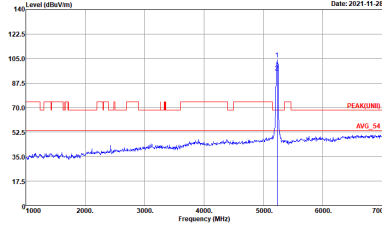
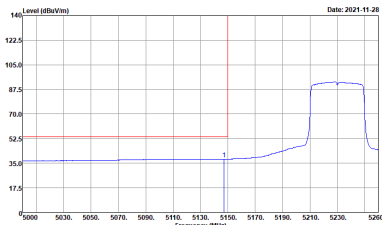


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
17+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

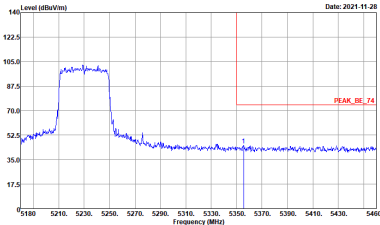
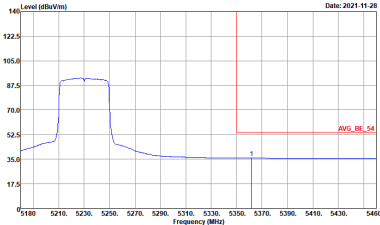
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UND) 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.0000Hz VBW:0.0100Hz SWT:Auto	Left blank



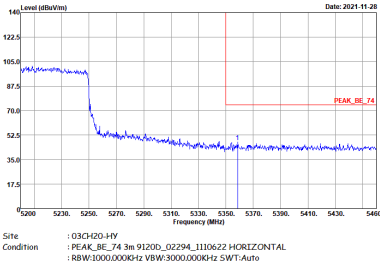
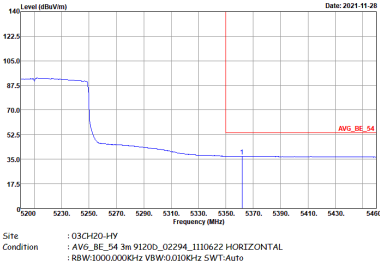
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



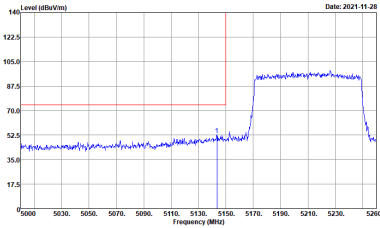
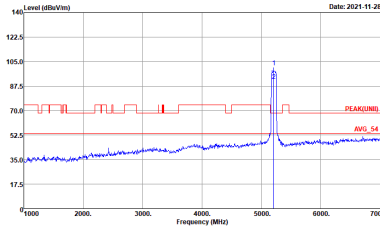
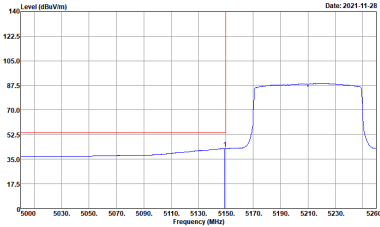
Band 1 5150~5250MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
17+18	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

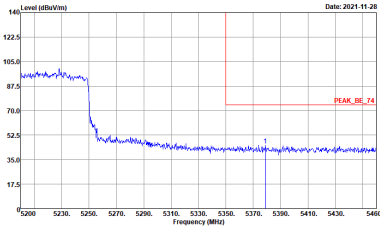
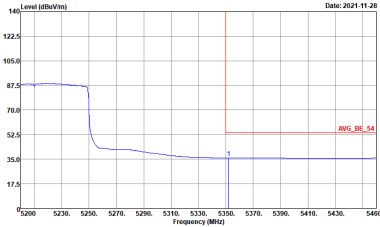


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

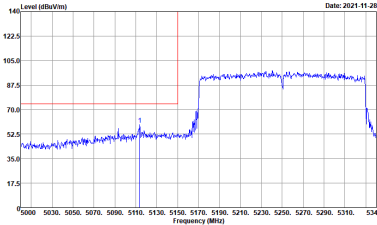
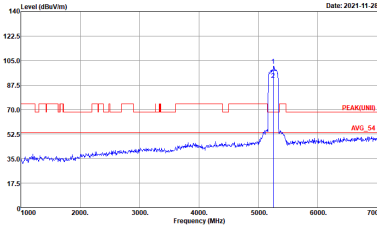
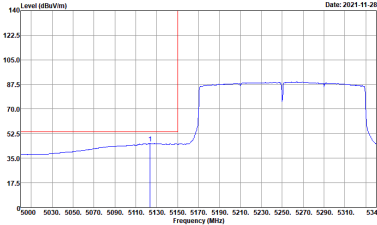


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

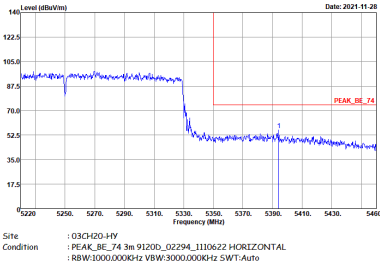
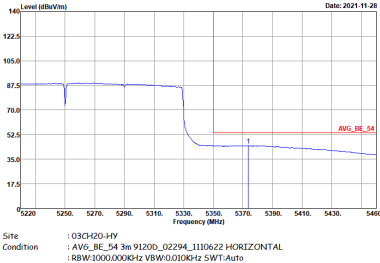


5150-5350 MHz

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(FUND) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

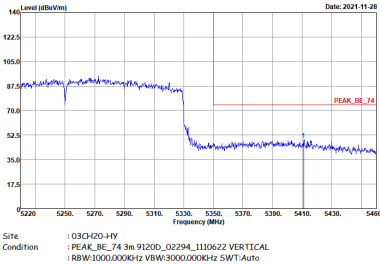
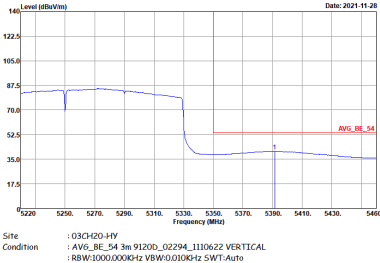


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
17+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UND)_1 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

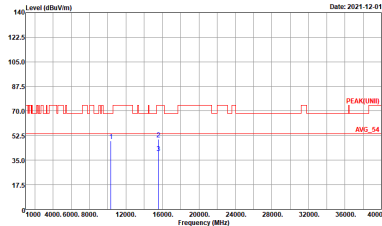
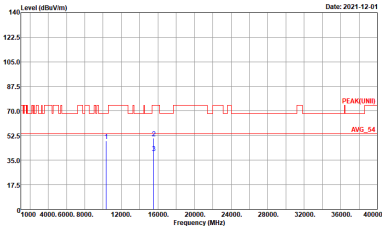


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
17+18	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

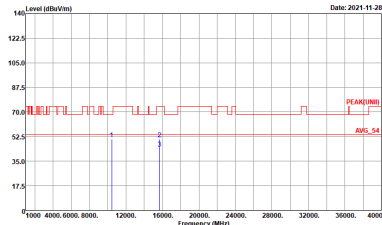
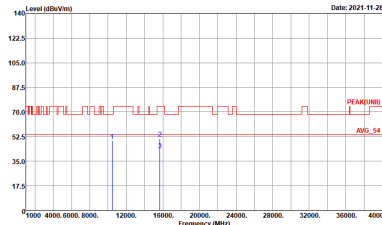


Band 1 - 5150~5250MHz

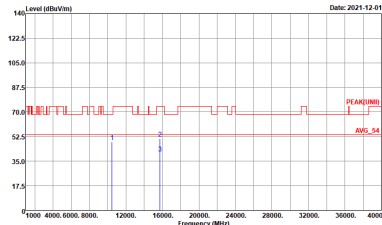
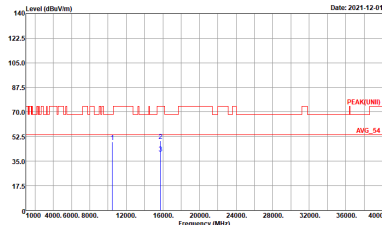
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
17+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
17+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL



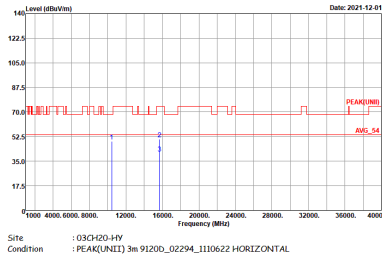
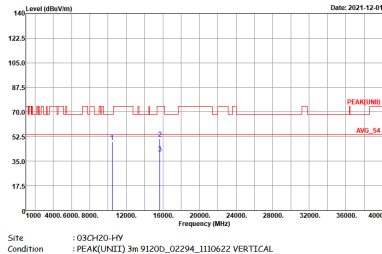
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
17+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-14Y Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-14Y Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL



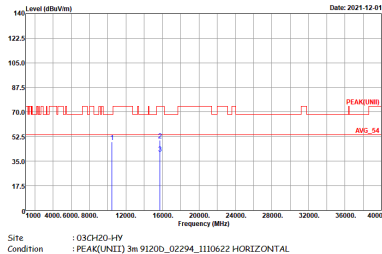
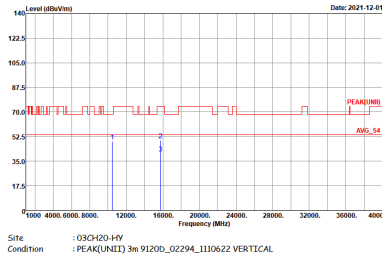
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
17+18	Horizontal	Vertical
Peak Avg.	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
17+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL



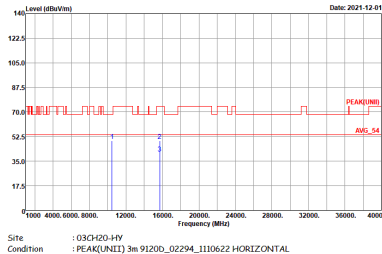
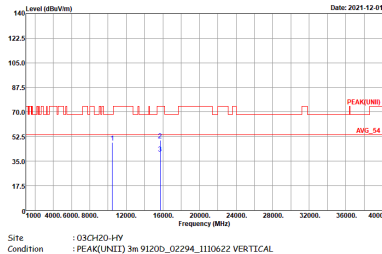
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
17+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-14Y Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-14Y Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL



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	
17+18	Horizontal	Vertical
Peak Avg.	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
17+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-1HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-1HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL



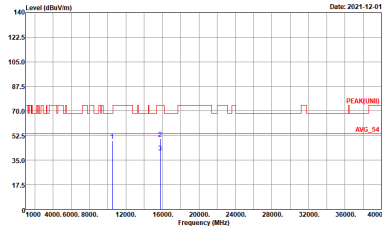
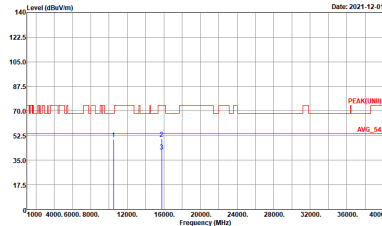
Band 1 5150~5250MHz
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
17+18	Horizontal	Vertical
Peak Avg.	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL



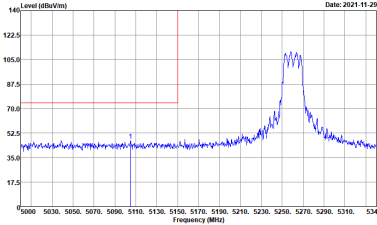
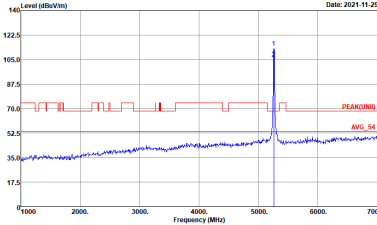
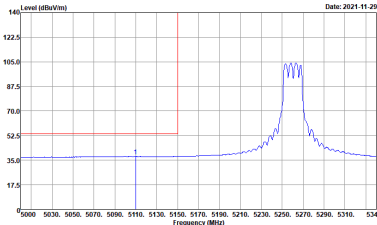
5150-5350 MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

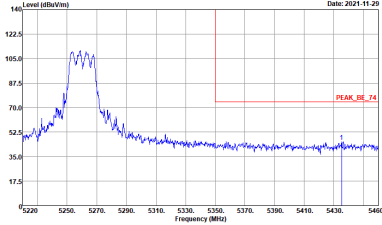
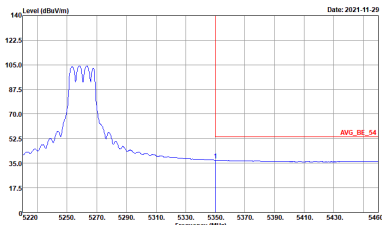
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz	
17+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL



Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.0000kHz VBW:3000.0000kHz SWT:Auto	 Site : 03CH20-HV Condition : PEAK(FUND) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.0000kHz VBW:3000.0000kHz SWT:Auto
Avg.	 Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.0000kHz VBW:0.0100kHz SWT:Auto	Left blank

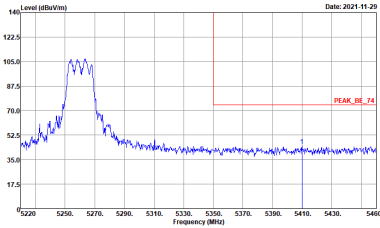
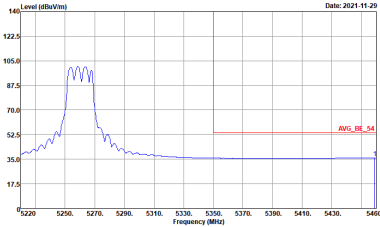


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
17+18	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

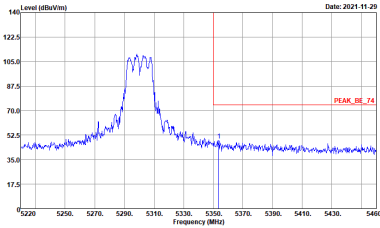
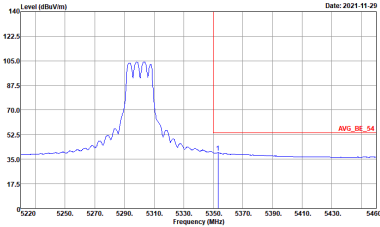


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
17+18	Horizontal	Fundamental
Peak	Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HV Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

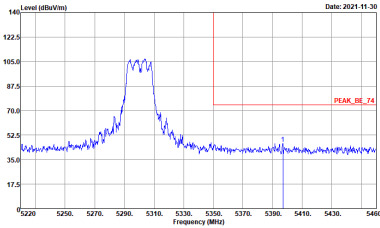
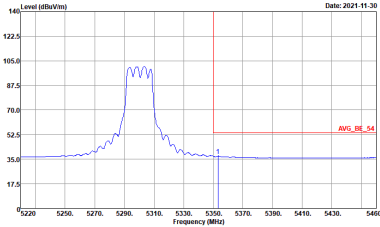


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

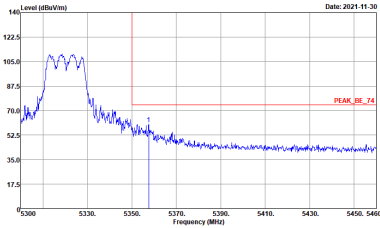
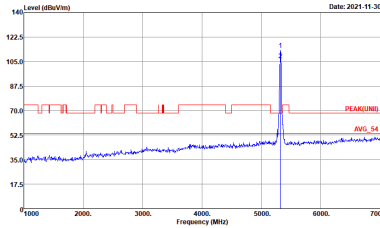
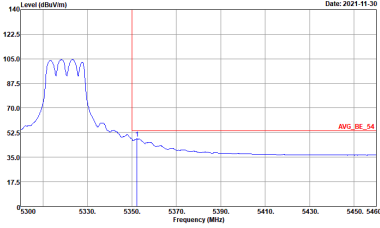


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
17+18	Vertical	Fundamental
Peak	Site : 03CH20-HV Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HV Condition : PEAK(UNIT) 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH20-HV Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

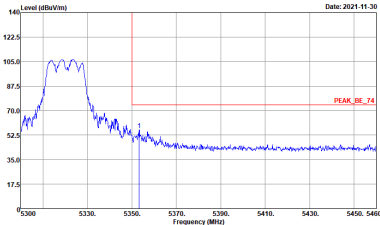
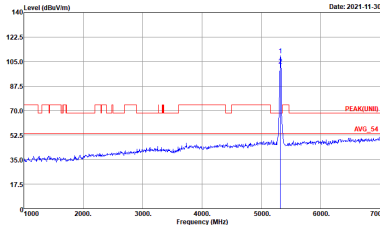
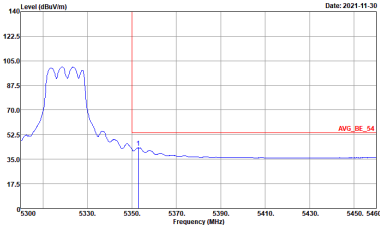


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



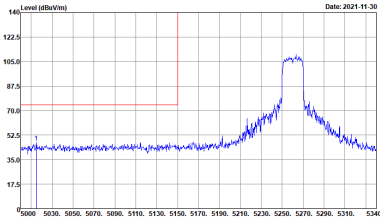
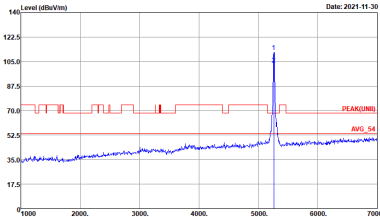
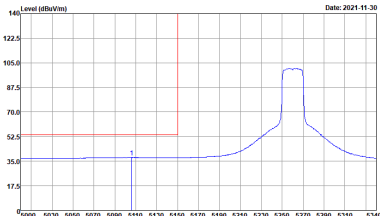
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	Left blank



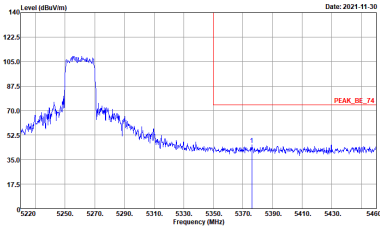
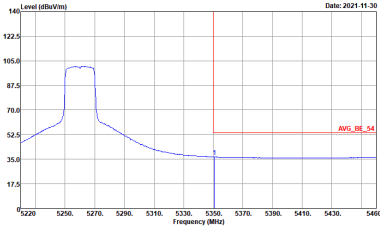
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
17+18	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UND) 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	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	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_02294_1110622 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank