

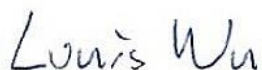


FCC RADIO TEST REPORT

FCC ID : 2AFZZ12AG
Equipment : Mobile Phone
Brand Name : XIAOMI
Model Name : 22071212AG
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 May 23, 2022 and testing was performed from Jun. 02, 2022 to Jun. 12, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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



Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Modification of EUT	5
1.3 Testing Location	6
1.4 Applicable Standards.....	6
2 Test Configuration of Equipment Under Test	7
2.1 Carrier Frequency and Channel	7
2.2 Test Mode.....	9
2.3 Connection Diagram of Test System.....	11
2.4 Support Unit used in test configuration and system	11
2.5 EUT Operation Test Setup	11
2.6 Measurement Results Explanation Example.....	12
3 Test Result	13
3.1 26dB & 99% Occupied Bandwidth Measurement	13
3.2 Maximum Conducted Output Power Measurement	16
3.3 Power Spectral Density Measurement	18
3.4 Unwanted Emissions Measurement.....	22
3.5 AC Conducted Emission Measurement.....	27
3.6 Antenna Requirements.....	29
4 List of Measuring Equipment.....	31
5 Uncertainty of Evaluation	32
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission	
Appendix D. Radiated Spurious Emission Plots	
Appendix E. Duty Cycle Plots	
Appendix F. Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FR251212E	01	Initial issue of report	Jun. 21, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	3.24 dB under the limit at 5458.240 MHz
3.5	15.207	AC Conducted Emission	Pass	22.67 dB under the limit at 11.850 MHz
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to this report "Uncertainty of Evaluation".

Comments and Explanations:

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Lewis Ho

Report Producer: Lucy Wu



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, NFC, and GNSS.

Product Feature	
Sample 1	8G+128G
Sample 2	8G+256G
Antenna Type	WWAN: Fixed Internal Antenna WLAN: <Ant. 16>: PIFA Antenna <Ant. 17>: PIFA Antenna <Ant. 18>: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass/BDS/Galileo/SBAS/QZSS/NavIC: PIFA Antenna NFC: Coil Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 17: -3.0 Ant. 18: -2.59
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 17: -2.79 Ant. 18: -1.55
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 17: -0.49 Ant. 18: -1.27

Remark: The EUT's information above 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. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	TH05-HY, 03CH16-HY, CO07-HY

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

FCC designation No.: 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 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)	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.

2.2 Test Mode

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The CDD mode is chosen as worst case configuration for all test cases due to higher power than SISO mode.

The 802.11n/ac mode has no higher power and PSD than 802.11ax mode, thus the 802.11ax mode is chosen as main test configuration, and the 802.11n/ac mode is verified the power.

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

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + MPEG4 + USB Cable 1 (Charging from AC 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

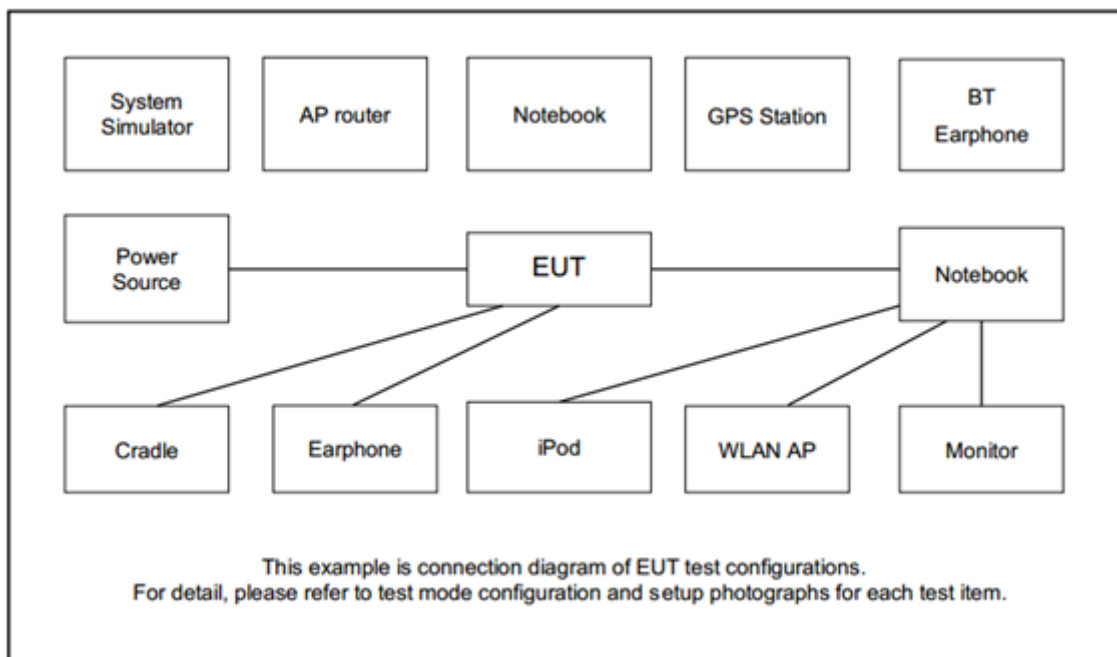
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

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	SBH20	PY7-RD0010	N/A	N/A
2.	WLAN AP	ASUS	RT-AC58U	N/A	N/A	Unshielded, 1.8m
3.	Notebook	Dell	P74G	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, make the EUT (SW: MIUI 13 Global 0.0.0) 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.

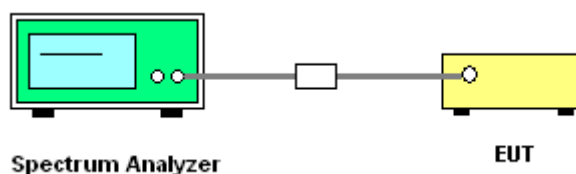
3.1.2 Measuring Instruments

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

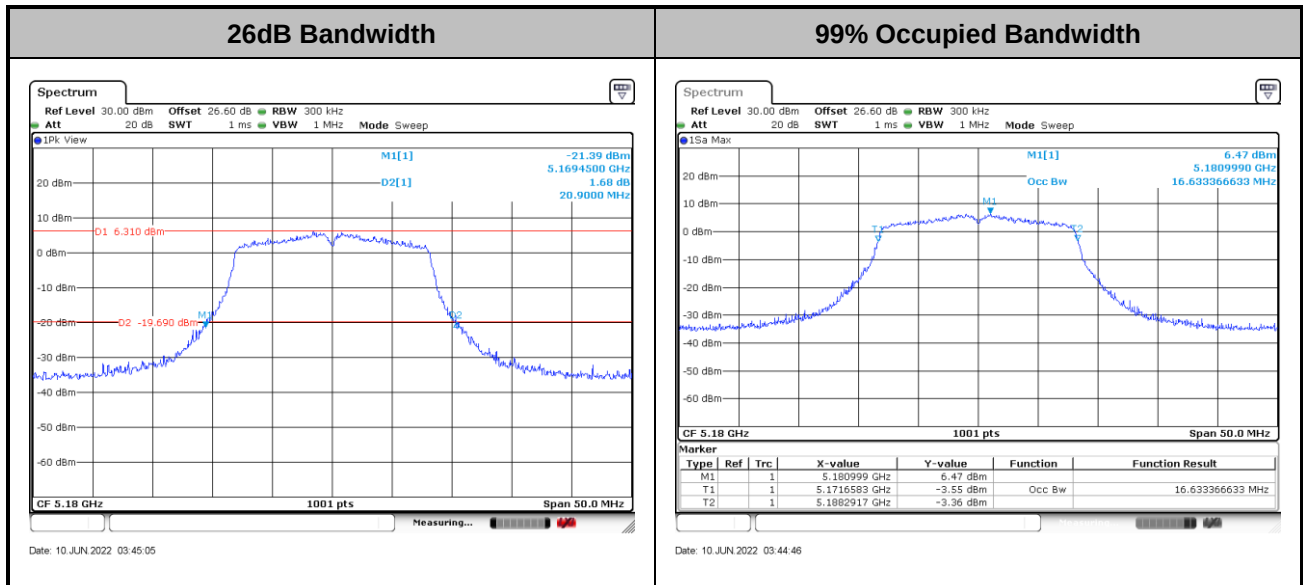


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

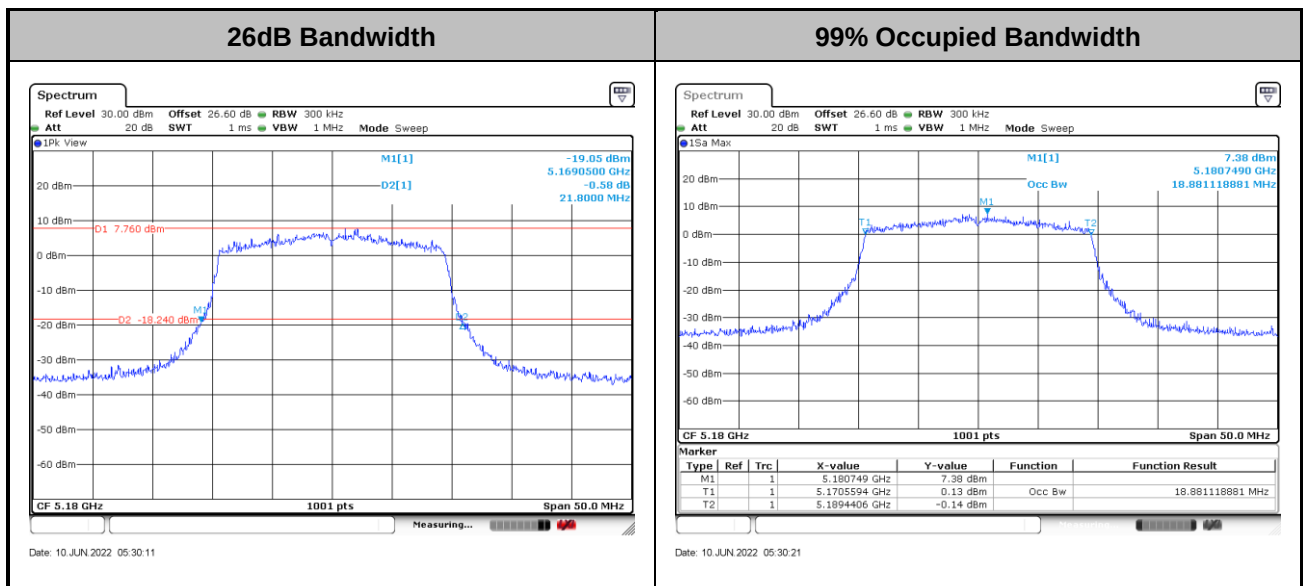


<802.11a>



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

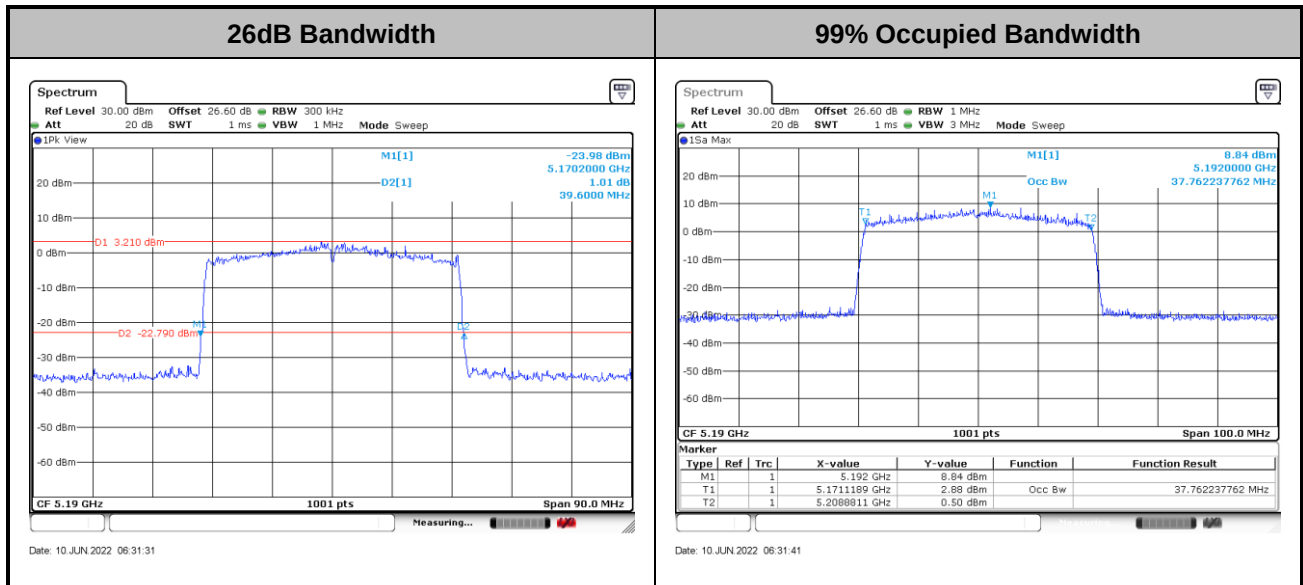
<802.11ax HE20>



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

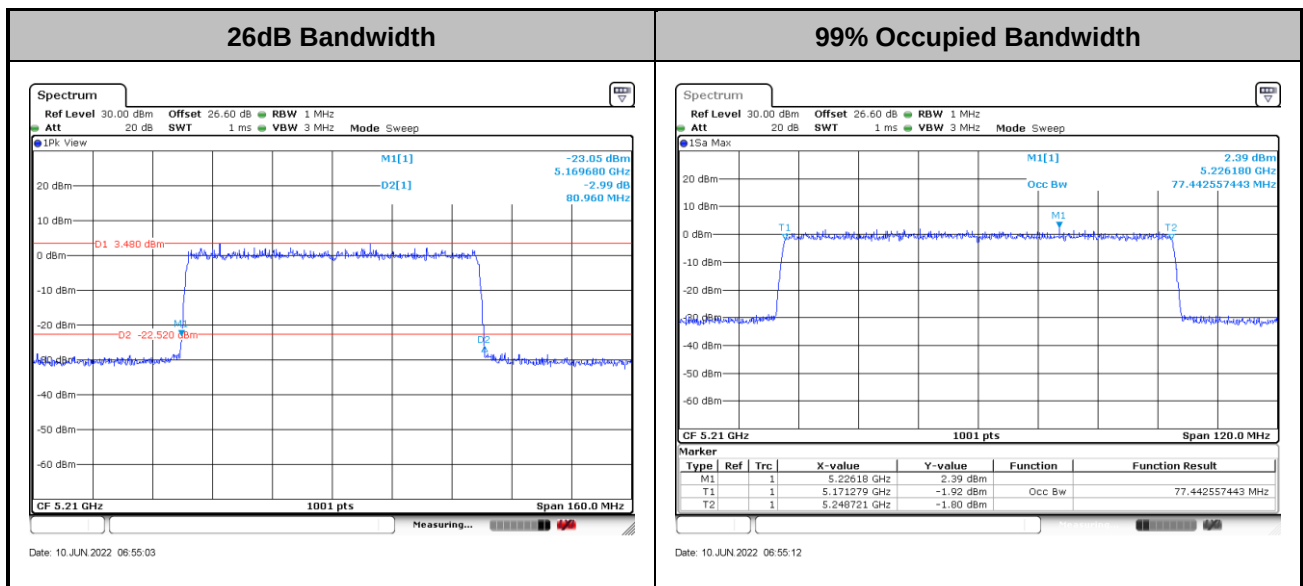


<802.11ax HE40>



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

<802.11ax HE80>



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

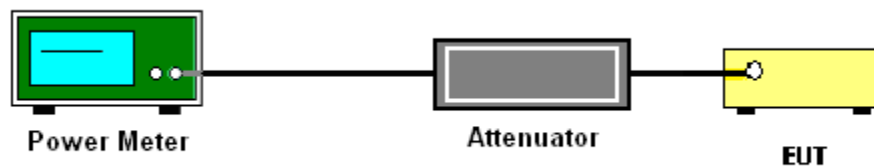
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

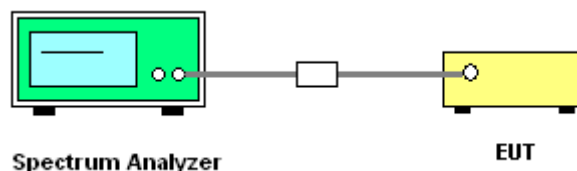
(power averaging (rms) detection with max hold):

- 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

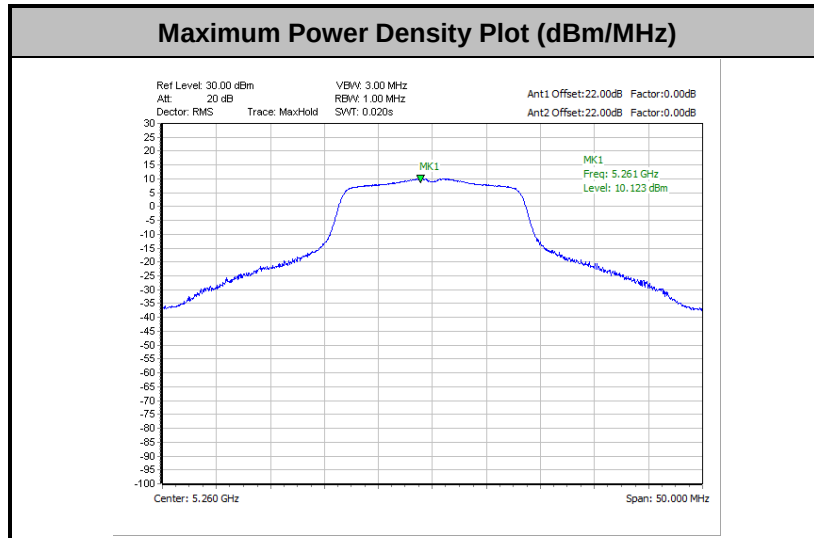


3.3.5 Test Result of Power Spectral Density

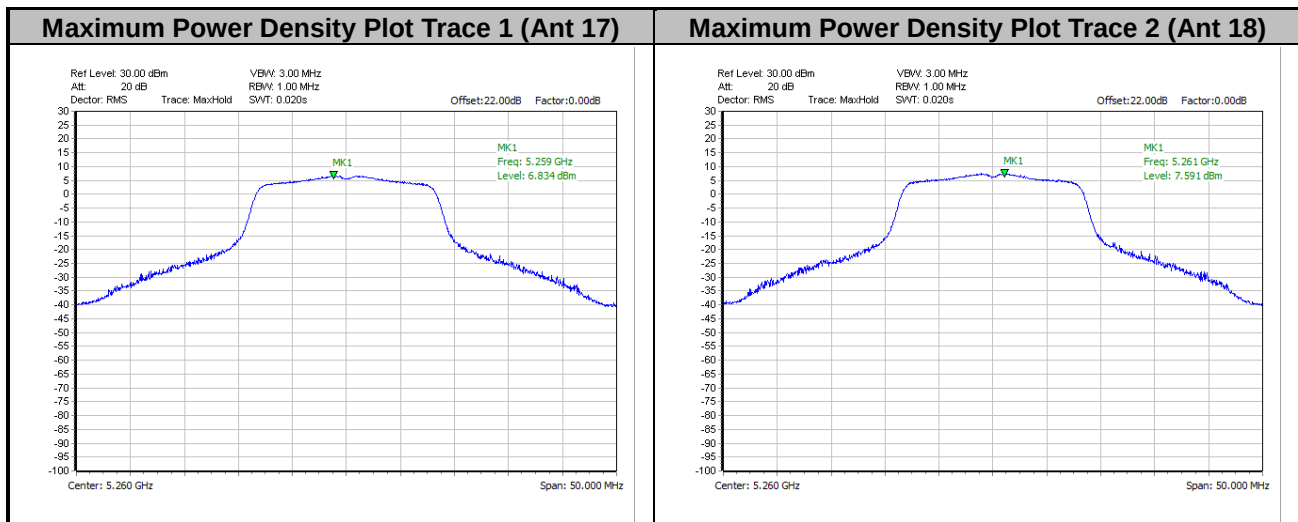
Please refer to Appendix A.



<802.11a>

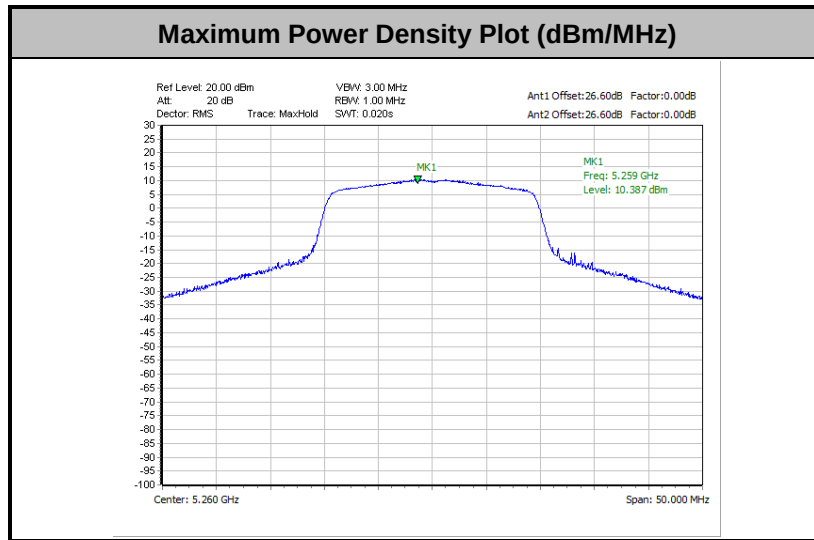


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

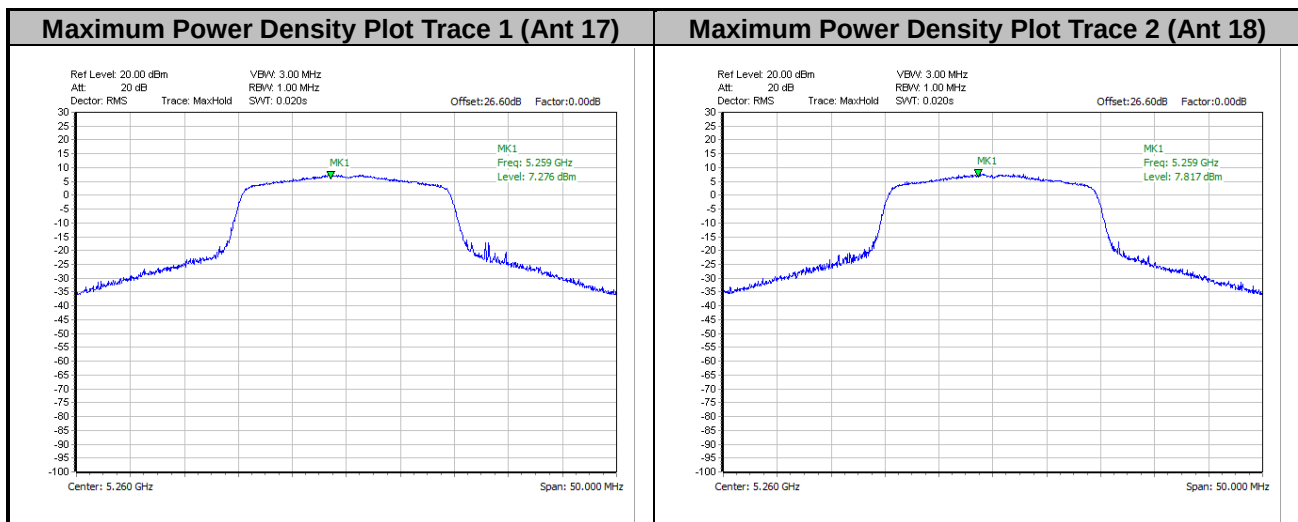




<802.11ax HE20>



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



3.4 Unwanted 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.

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

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.

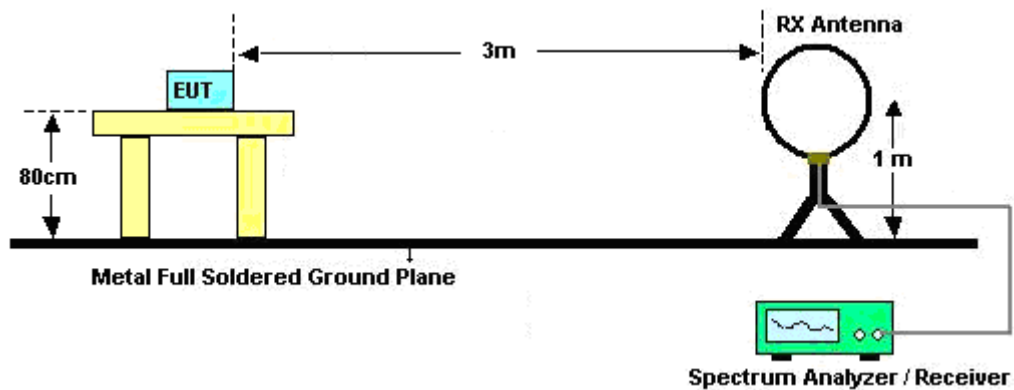
3.4.3 Test Procedures

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

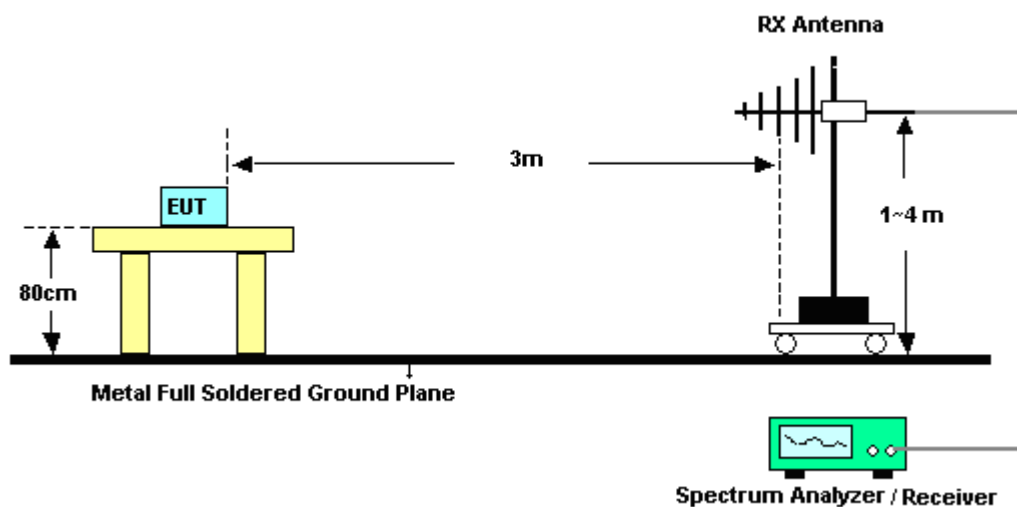
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit 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

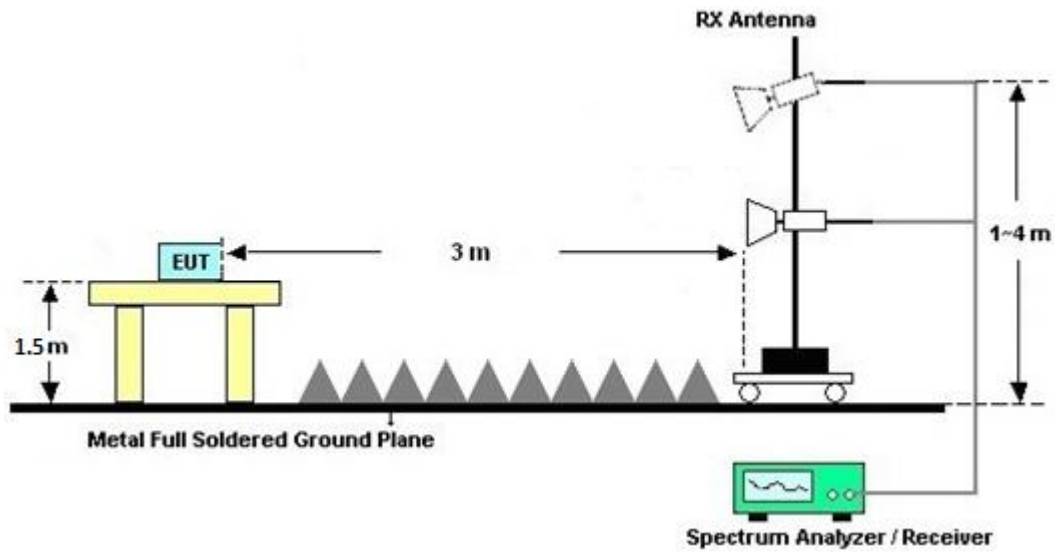
For radiated emissions below 30MHz



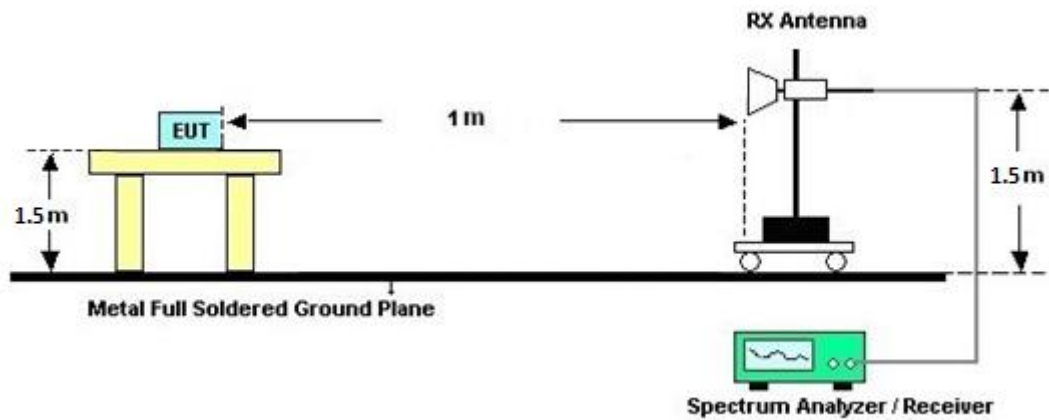
For radiated emissions from 30MHz to 1GHz



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.

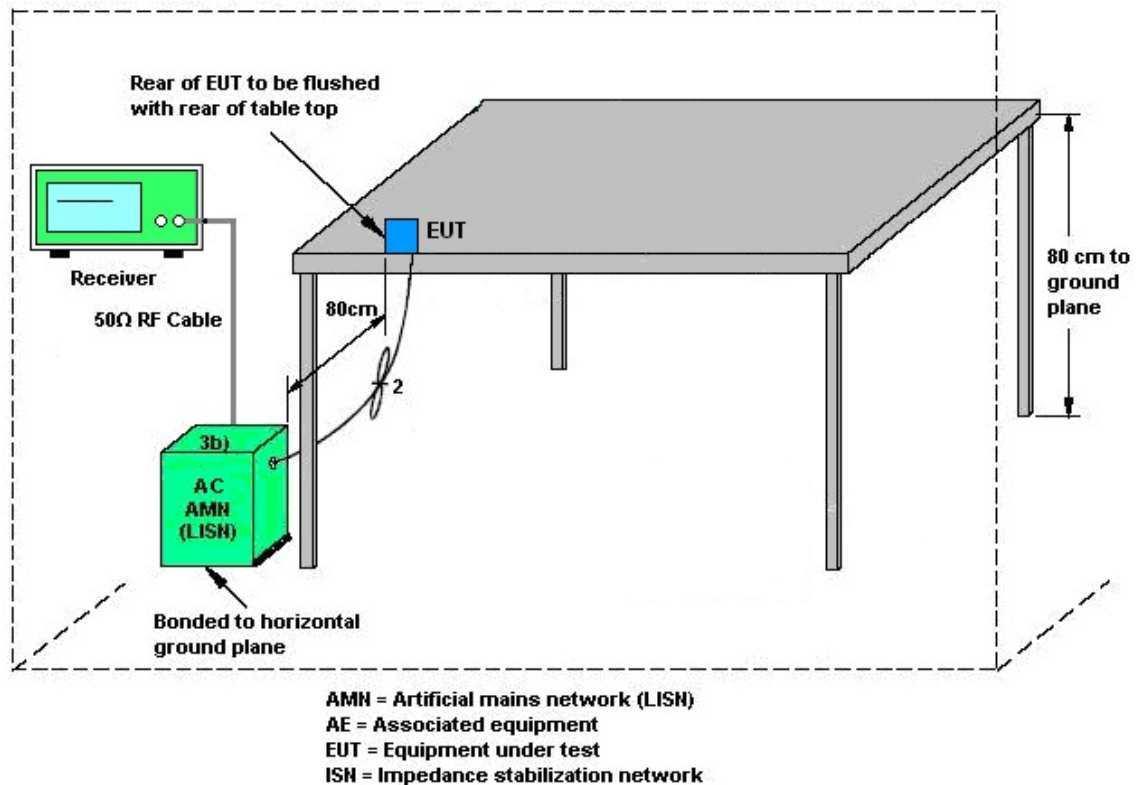
3.5.2 Measuring Instruments

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 power measurements on IEEE 802.11 devices,

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

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

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

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

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the k th antenna.

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

Directional gain = $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

Where $G_1, G_2, \dots, G_N$ denote single antenna gain.

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

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

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



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

<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 17	Ant. 18	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	-3.00	-2.59	-2.59	0.22	0.00	0.00
Band II	-2.79	-1.55	-1.55	0.86	0.00	0.00
Band III	-0.49	-1.27	-0.49	2.14	0.00	0.00

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

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

Calculation example:

The DG for PSD is derived from formula is

$$10 \times \log \left\{ \left[10^{(-3.00 \text{ dBi} / 20)} + 10^{(-2.59 \text{ dBi} / 20)} \right]^2 / 2 \right\} \\ = 0.22 \text{ dBi}$$



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	May 13, 2022	Jun. 08, 2022~ Jun. 12, 2022	May 12, 2023	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz to 1GHz	Oct. 09, 2021	Jun. 08, 2022~ Jun. 12, 2022	Oct. 08, 2022	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 10, 2022	Jun. 08, 2022~ Jun. 12, 2022	Mar. 09, 2023	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00993	18GHz ~40GHz	Nov. 30, 2021	Jun. 08, 2022~ Jun. 12, 2022	Nov. 29, 2022	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 22, 2021	Jun. 08, 2022~ Jun. 12, 2022	Jun. 21, 2022	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Jul. 05, 2021	Jun. 08, 2022~ Jun. 12, 2022	Jul. 04, 2022	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 27, 2021	Jun. 08, 2022~ Jun. 12, 2022	Dec. 26, 2022	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 09, 2021	Jun. 08, 2022~ Jun. 12, 2022	Dec. 08, 2022	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 15, 2021	Jun. 08, 2022~ Jun. 12, 2022	Dec. 14, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/4P E	NA	Aug. 28, 2021	Jun. 08, 2022~ Jun. 12, 2022	Aug. 27, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/4P E	NA	Aug. 28, 2021	Jun. 08, 2022~ Jun. 12, 2022	Aug. 27, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5 757	NA	Aug. 28, 2021	Jun. 08, 2022~ Jun. 12, 2022	Aug. 27, 2022	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Jun. 08, 2022~ Jun. 12, 2022	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jun. 08, 2022~ Jun. 12, 2022	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jun. 08, 2022~ Jun. 12, 2022	N/A	Radiation (03CH16-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jun. 02, 2022	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 02, 2022	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz~200MHz	Oct. 29, 2021	Jun. 02, 2022	Oct. 28, 2022	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 16, 2022	Jun. 02, 2022	Mar. 15, 2023	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 16, 2022	Jun. 02, 2022	Feb. 15, 2023	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 21, 2021	Jun. 02, 2022	Oct. 20, 2022	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	9kHz~7GHz	Feb. 24, 2022	Jun. 02, 2022	Feb. 23, 2023	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Jun. 02, 2022~ Jun. 12, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 16, 2021	Jun. 02, 2022~ Jun. 12, 2022	Dec. 15, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Jun. 02, 2022~ Jun. 12, 2022	Aug. 29, 2022	Conducted (TH05-HY)
Switch Control Mainframe	E-IUSTRUME NT	ETF-1405-0	EC1900067 (BOX7)	N/A	Aug. 12, 2021	Jun. 02, 2022~ Jun. 12, 2022	Aug. 11, 2022	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

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

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2022/6/2~2022/6/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	
11a	6Mbps	2	36	5180	16.63	16.48	20.90	20.25	-		22.17		
11a	6Mbps	2	44	5220	16.58	16.48	21.35	20.60	-		22.17		
11a	6Mbps	2	48	5240	16.63	16.48	21.35	21.05	-		22.17		

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
11a	6Mbps	2	36	5180	13.90	14.00	16.96	24.00		-2.59		Pass	
11a	6Mbps	2	44	5220	13.90	13.90	16.91	24.00		-2.59		Pass	
11a	6Mbps	2	48	5240	14.20	14.20	17.21	24.00		-2.59		Pass	
HT20	MCS0	2	36	5180	13.20	13.30	16.26	24.00		-2.59		Pass	
HT20	MCS0	2	44	5220	13.80	13.80	16.81	24.00		-2.59		Pass	
HT20	MCS0	2	48	5240	13.60	13.60	16.61	24.00		-2.59		Pass	
HT40	MCS0	2	38	5190	12.10	12.20	15.16	24.00		-2.59		Pass	
HT40	MCS0	2	46	5230	14.50	14.50	17.51	24.00		-2.59		Pass	
VHT20	MCS0	2	36	5180	13.30	13.40	16.36	24.00		-2.59		Pass	
VHT20	MCS0	2	44	5220	13.90	13.90	16.91	24.00		-2.59		Pass	
VHT20	MCS0	2	48	5240	13.70	13.70	16.71	24.00		-2.59		Pass	
VHT40	MCS0	2	38	5190	12.20	12.30	15.26	24.00		-2.59		Pass	
VHT40	MCS0	2	46	5230	14.60	14.60	17.61	24.00		-2.59		Pass	
VHT80	MCS0	2	42	5210	9.90	9.90	12.91	24.00		-2.59		Pass	

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18	
11a	6Mbps	2	36	5180			7.54	11.00		0.22		Pass
11a	6Mbps	2	44	5220			7.00	11.00		0.22		Pass
11a	6Mbps	2	48	5240			8.01	11.00		0.22		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	
11a	6Mbps	2	52	5260	16.73	16.58	23.45	24.25	23.20		29.20		23.98		
11a	6Mbps	2	60	5300	16.68	16.53	22.10	21.90	23.18		29.18		23.98		
11a	6Mbps	2	64	5320	16.63	16.48	21.70	20.75	23.17		29.17		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
11a	6Mbps	2	52	5260	17.00	17.30	20.16	23.98		-1.55		26.99	Pass
11a	6Mbps	2	60	5300	17.10	17.30	20.21	23.98		-1.55		26.99	Pass
11a	6Mbps	2	64	5320	15.70	16.00	18.86	23.98		-1.55		26.99	Pass
HT20	MCS0	2	52	5260	16.80	17.10	19.96	23.98		-1.55		26.99	Pass
HT20	MCS0	2	60	5300	16.80	17.10	19.96	23.98		-1.55		26.99	Pass
HT20	MCS0	2	64	5320	14.30	14.40	17.36	23.98		-1.55		26.99	Pass
HT40	MCS0	2	54	5270	17.30	17.50	20.41	23.98		-1.55		26.99	Pass
HT40	MCS0	2	62	5310	12.80	12.80	15.81	23.98		-1.55		26.99	Pass
VHT20	MCS0	2	52	5260	16.90	17.20	20.06	23.98		-1.55		26.99	Pass
VHT20	MCS0	2	60	5300	16.90	17.20	20.06	23.98		-1.55		26.99	Pass
VHT20	MCS0	2	64	5320	14.40	14.50	17.46	23.98		-1.55		26.99	Pass
VHT40	MCS0	2	54	5270	17.30	17.60	20.46	23.98		-1.55		26.99	Pass
VHT40	MCS0	2	62	5310	12.90	12.90	15.91	23.98		-1.55		26.99	Pass
VHT80	MCS0	2	58	5290	10.20	10.30	13.26	23.98		-1.55		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO												
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18	
11a	6Mbps	2	52	5260			10.12	11.00		0.86		Pass
11a	6Mbps	2	60	5300			9.99	11.00		0.86		Pass
11a	6Mbps	2	64	5320			8.34	11.00		0.86		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 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	16.58	16.43	21.00	20.45	23.16		29.16		23.98		----	----
11a	6Mbps	2	116	5580	16.63	16.43	21.15	20.50	23.16		29.16		23.98		----	----
11a	6Mbps	2	140	5700	16.58	16.43	21.15	20.60	23.16		29.16		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 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	144	5720	13.29	13.25	15.95	15.25	22.22		28.22		22.83		2.6	2.6

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
11a	6Mbps	2	100	5500	13.40	12.80	16.12	23.98		-0.49		26.99	Pass
11a	6Mbps	2	116	5580	13.40	13.30	16.36	23.98		-0.49		26.99	Pass
11a	6Mbps	2	140	5700	13.40	13.40	16.41	23.98		-0.49		26.99	Pass
HT20	MCS0	2	100	5500	13.20	12.70	15.97	23.98		-0.49		26.99	Pass
HT20	MCS0	2	116	5580	13.20	13.00	16.11	23.98		-0.49		26.99	Pass
HT20	MCS0	2	140	5700	12.90	13.00	15.96	23.98		-0.49		26.99	Pass
HT40	MCS0	2	102	5510	13.70	13.10	16.42	23.98		-0.49		26.99	Pass
HT40	MCS0	2	110	5550	13.80	13.20	16.52	23.98		-0.49		26.99	Pass
HT40	MCS0	2	134	5670	13.30	13.30	16.31	23.98		-0.49		26.99	Pass
VHT20	MCS0	2	100	5500	13.30	12.80	16.07	23.98		-0.49		26.99	Pass
VHT20	MCS0	2	116	5580	13.30	13.10	16.21	23.98		-0.49		26.99	Pass
VHT20	MCS0	2	140	5700	13.00	13.10	16.06	23.98		-0.49		26.99	Pass
VHT40	MCS0	2	102	5510	13.80	13.20	16.52	23.98		-0.49		26.99	Pass
VHT40	MCS0	2	110	5550	13.90	13.30	16.62	23.98		-0.49		26.99	Pass
VHT40	MCS0	2	134	5670	13.40	13.40	16.41	23.98		-0.49		26.99	Pass
VHT80	MCS0	2	106	5530	9.10	8.50	11.82	23.98		-0.49		26.99	Pass
VHT80	MCS0	2	122	5610	13.40	13.30	16.36	23.98		-0.49		26.99	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
11a	6Mbps	2	144	5720	13.10	13.00	16.06	22.83		-0.49		26.99	Pass
HT20	MCS0	2	144	5720	12.90	12.90	15.91	23.98		-0.49		26.99	Pass
HT40	MCS0	2	142	5710	13.30	13.50	16.41	23.98		-0.49		26.99	Pass
VHT20	MCS0	2	144	5720	13.00	13.00	16.01	23.98		-0.49		26.99	Pass
VHT40	MCS0	2	142	5710	13.40	13.60	16.51	23.98		-0.49		26.99	Pass
VHT80	MCS0	2	138	5690	13.60	13.60	16.61	23.98		-0.49		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
11a	6Mbps	2	100	5500				11.00		2.14		Pass	
11a	6Mbps	2	116	5580				6.37	11.00	2.14		Pass	
11a	6Mbps	2	140	5700				6.76	11.00	2.14		Pass	

U-NII-2C straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail	
					Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
11a	6Mbps	2	144	5720				6.14	11.00		2.14		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
						Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	Ant 17	Ant 18	
HE20	MCS0	2	36	5180	Full	18.88	18.93	21.80	21.60	-	-	22.76	-	
HE20	MCS0	2	44	5220	Full	18.93	18.88	22.05	21.95	-	-	22.76	-	
HE20	MCS0	2	48	5240	Full	18.88	18.88	22.15	21.40	-	-	22.76	-	
HE40	MCS0	2	38	5190	Full	37.76	37.76	39.60	39.69	-	-	23.01	-	
HE40	MCS0	2	46	5230	Full	37.76	37.66	39.51	39.60	-	-	23.01	-	
HE80	MCS0	2	42	5210	Full	77.44	77.68	80.96	80.96	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18	
HE20	MCS0	2	36	5180	Full	13.40	13.50	16.46	24.00		-2.59		Pass
HE20	MCS0	2	36	5180	26/0	5.80	5.70	8.76	24.00		-2.59		Pass
HE20	MCS0	2	36	5180	52/37	8.70	8.60	11.66	24.00		-2.59		Pass
HE20	MCS0	2	36	5180	106/53	11.60	11.70	14.66	24.00		-2.59		Pass
HE20	MCS0	2	44	5220	Full	14.00	14.00	17.01	24.00		-2.59		Pass
HE20	MCS0	2	44	5220	26/4	6.90	7.00	9.96	24.00		-2.59		Pass
HE20	MCS0	2	44	5220	52/39	8.50	8.40	11.46	24.00		-2.59		Pass
HE20	MCS0	2	44	5220	106/53	11.80	11.70	14.76	24.00		-2.59		Pass
HE20	MCS0	2	48	5240	Full	13.80	13.80	16.81	24.00		-2.59		Pass
HE20	MCS0	2	48	5240	26/8	6.30	6.20	9.26	24.00		-2.59		Pass
HE20	MCS0	2	48	5240	52/40	9.40	9.50	12.46	24.00		-2.59		Pass
HE20	MCS0	2	48	5240	106/54	11.80	12.00	14.91	24.00		-2.59		Pass
HE40	MCS0	2	38	5190	Full	12.30	12.40	15.36	24.00		-2.59		Pass
HE40	MCS0	2	46	5230	Full	14.80	14.80	17.81	24.00		-2.59		Pass
HE80	MCS0	2	42	5210	Full	10.00	10.00	13.01	24.00		-2.59		Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	36	5180	Full			6.80	11.00	0.22			Pass	
HE20	MCS0	2	36	5180	26/0			6.31	11.00	0.22			Pass	
HE20	MCS0	2	36	5180	52/37			6.38	11.00	0.22			Pass	
HE20	MCS0	2	36	5180	106/53			6.52	11.00	0.22			Pass	
HE20	MCS0	2	44	5220	Full			6.58	11.00	0.22			Pass	
HE20	MCS0	2	44	5220	26/4			6.41	11.00	0.22			Pass	
HE20	MCS0	2	44	5220	52/39			6.12	11.00	0.22			Pass	
HE20	MCS0	2	44	5220	106/53			6.15	11.00	0.22			Pass	
HE20	MCS0	2	48	5240	Full			7.37	11.00	0.22			Pass	
HE20	MCS0	2	48	5240	26/8			7.20	11.00	0.22			Pass	
HE20	MCS0	2	48	5240	52/40			7.30	11.00	0.22			Pass	
HE20	MCS0	2	48	5240	106/54			7.03	11.00	0.22			Pass	
HE40	MCS0	2	38	5190	Full			2.54	11.00	0.22			Pass	
HE40	MCS0	2	46	5230	Full			5.13	11.00	0.22			Pass	
HE80	MCS0	2	42	5210	Full			-3.54	11.00	0.22			Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 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	19.03	18.98	24.80	24.40	23.78		29.78		23.98		
HE20	MCS0	2	60	5300	Full	18.93	18.93	22.40	22.00	23.77		29.77		23.98		
HE20	MCS0	2	64	5320	Full	18.88	18.88	22.05	21.70	23.76		29.76		23.98		
HE40	MCS0	2	54	5270	Full	37.96	37.96	39.60	39.60	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.86	37.66	39.51	39.60	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.44	77.44	80.80	80.96	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	52	5260	Full	17.00	17.30	20.16	23.98		-1.55		26.99	Pass
HE20	MCS0	2	52	5260	26/0	8.90	9.20	12.06	23.98		-1.55		26.99	Pass
HE20	MCS0	2	52	5260	52/37	12.30	12.70	15.51	23.98		-1.55		26.99	Pass
HE20	MCS0	2	52	5260	106/53	15.20	15.70	18.47	23.98		-1.55		26.99	Pass
HE20	MCS0	2	60	5300	Full	17.10	17.30	20.21	23.98		-1.55		26.99	Pass
HE20	MCS0	2	60	5300	26/4	9.90	10.10	13.01	23.98		-1.55		26.99	Pass
HE20	MCS0	2	60	5300	52/39	11.70	12.00	14.86	23.98		-1.55		26.99	Pass
HE20	MCS0	2	60	5300	106/54	14.50	14.70	17.61	23.98		-1.55		26.99	Pass
HE20	MCS0	2	64	5320	Full	14.50	14.60	17.56	23.98		-1.55		26.99	Pass
HE20	MCS0	2	64	5320	26/8	6.40	6.60	9.51	23.98		-1.55		26.99	Pass
HE20	MCS0	2	64	5320	52/40	9.50	9.80	12.66	23.98		-1.55		26.99	Pass
HE20	MCS0	2	64	5320	106/54	12.70	12.90	15.81	23.98		-1.55		26.99	Pass
HE40	MCS0	2	54	5270	Full	17.40	17.70	20.56	23.98		-1.55		26.99	Pass
HE40	MCS0	2	62	5310	Full	13.00	13.00	16.01	23.98		-1.55		26.99	Pass
HE80	MCS0	2	58	5290	Full	10.30	10.40	13.36	23.98		-1.55		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	52	5260	Full			10.39	11.00		0.86		Pass	
HE20	MCS0	2	52	5260	26/0			9.95	11.00		0.86		Pass	
HE20	MCS0	2	52	5260	52/37			10.23	11.00		0.86		Pass	
HE20	MCS0	2	52	5260	106/53			10.33	11.00		0.86		Pass	
HE20	MCS0	2	60	5300	Full			9.84	11.00		0.86		Pass	
HE20	MCS0	2	60	5300	26/4			9.66	11.00		0.86		Pass	
HE20	MCS0	2	60	5300	52/39			9.45	11.00		0.86		Pass	
HE20	MCS0	2	60	5300	106/54			9.42	11.00		0.86		Pass	
HE20	MCS0	2	64	5320	Full			7.73	11.00		0.86		Pass	
HE20	MCS0	2	64	5320	26/8			7.49	11.00		0.86		Pass	
HE20	MCS0	2	64	5320	52/40			7.47	11.00		0.86		Pass	
HE20	MCS0	2	64	5320	106/54			7.63	11.00		0.86		Pass	
HE40	MCS0	2	54	5270	Full			7.60	11.00		0.86		Pass	
HE40	MCS0	2	62	5310	Full			3.03	11.00		0.86		Pass	
HE80	MCS0	2	58	5290	Full			-3.19	11.00		0.86		Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 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	18.88	21.60	21.70	23.76	29.76	23.98	----	----			
HE20	MCS0	2	116	5580	Full	18.93	18.93	21.90	21.50	23.77	29.77	23.98	----	----			
HE20	MCS0	2	140	5700	Full	18.88	18.93	21.90	21.75	23.76	29.76	23.98	----	----			
HE40	MCS0	2	102	5510	Full	37.76	37.76	39.69	39.51	23.98	30.00	23.98	----	----			
HE40	MCS0	2	110	5550	Full	37.66	37.76	39.69	39.42	23.98	30.00	23.98	----	----			
HE40	MCS0	2	134	5670	Full	37.76	37.76	39.60	39.60	23.98	30.00	23.98	----	----			
HE80	MCS0	2	106	5530	Full	77.44	77.56	80.80	80.96	23.98	30.00	23.98	----	----			
HE80	MCS0	2	122	5610	Full	77.44	77.44	80.96	81.12	23.98	30.00	23.98	----	----			

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 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	14.44	16.10	15.60	22.60		28.60		22.93		2.6	3.55
HE40	MCS0	2	142	5710	Full	33.98	33.88	34.71	34.71	23.98		30.00		23.98		3.63	2.64
HE80	MCS0	2	138	5690	Full	73.72	73.72	75.48	75.48	23.98		30.00		23.98		4.2	4.04

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	100	5500	Full	13.40	12.90	16.17	23.98		-0.49		26.99	Pass
HE20	MCS0	2	100	5500	26/0	5.50	4.90	8.22	23.98		-0.49		26.99	Pass
HE20	MCS0	2	100	5500	52/37	8.40	8.10	11.26	23.98		-0.49		26.99	Pass
HE20	MCS0	2	100	5500	106/53	11.20	10.80	14.01	23.98		-0.49		26.99	Pass
HE20	MCS0	2	116	5580	Full	13.40	13.20	16.31	23.98		-0.49		26.99	Pass
HE20	MCS0	2	116	5580	26/4	6.10	6.20	9.16	23.98		-0.49		26.99	Pass
HE20	MCS0	2	116	5580	52/38	8.30	8.50	11.41	23.98		-0.49		26.99	Pass
HE20	MCS0	2	116	5580	106/53	11.60	11.70	14.66	23.98		-0.49		26.99	Pass
HE20	MCS0	2	140	5700	Full	13.10	13.20	16.16	23.98		-0.49		26.99	Pass
HE20	MCS0	2	140	5700	26/8	5.60	5.60	8.61	23.98		-0.49		26.99	Pass
HE20	MCS0	2	140	5700	52/40	8.20	8.30	11.26	23.98		-0.49		26.99	Pass
HE20	MCS0	2	140	5700	106/54	10.80	11.10	13.96	23.98		-0.49		26.99	Pass
HE40	MCS0	2	102	5510	Full	14.00	13.40	16.72	23.98		-0.49		26.99	Pass
HE40	MCS0	2	110	5550	Full	14.00	13.40	16.72	23.98		-0.49		26.99	Pass
HE40	MCS0	2	134	5670	Full	13.50	13.50	16.51	23.98		-0.49		26.99	Pass
HE80	MCS0	2	106	5530	Full	9.20	8.60	11.92	23.98		-0.49		26.99	Pass
HE80	MCS0	2	122	5610	Full	13.50	13.40	16.46	23.98		-0.49		26.99	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18		
HE20	MCS0	2	144	5720	Full	13.10	13.10	16.11	22.93		-0.49		26.99	Pass
HE20	MCS0	2	144	5720	26/8	5.50	5.50	8.51	22.93		-0.49		26.99	Pass
HE20	MCS0	2	144	5720	52/40	8.10	8.00	11.06	22.93		-0.49		26.99	Pass
HE20	MCS0	2	144	5720	106/54	11.30	11.40	14.36	22.93		-0.49		26.99	Pass
HE40	MCS0	2	142	5710	Full	13.50	13.70	16.61	23.98		-0.49		26.99	Pass
HE80	MCS0	2	138	5690	Full	13.70	13.70	16.71	23.98		-0.49		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18	
HE20	MCS0	2	100	5500	Full			6.21	11.00	2.14			Pass
HE20	MCS0	2	100	5500	26/0			5.92	11.00	2.14			Pass
HE20	MCS0	2	100	5500	52/37			5.81	11.00	2.14			Pass
HE20	MCS0	2	100	5500	106/53			5.74	11.00	2.14			Pass
HE20	MCS0	2	116	5580	Full			6.28	11.00	2.14			Pass
HE20	MCS0	2	116	5580	26/4			5.87	11.00	2.14			Pass
HE20	MCS0	2	116	5580	52/38			5.96	11.00	2.14			Pass
HE20	MCS0	2	116	5580	106/53			5.99	11.00	2.14			Pass
HE20	MCS0	2	140	5700	Full			6.17	11.00	2.14			Pass
HE20	MCS0	2	140	5700	26/8			5.98	11.00	2.14			Pass
HE20	MCS0	2	140	5700	52/40			5.77	11.00	2.14			Pass
HE20	MCS0	2	140	5700	106/54			5.83	11.00	2.14			Pass
HE40	MCS0	2	102	5510	Full			3.86	11.00	2.14			Pass
HE40	MCS0	2	110	5550	Full			3.98	11.00	2.14			Pass
HE40	MCS0	2	134	5670	Full			3.25	11.00	2.14			Pass
HE80	MCS0	2	106	5530	Full			-5.53	11.00	2.14			Pass
HE80	MCS0	2	122	5610	Full			-0.02	11.00	2.14			Pass

U-NII-2C straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 17	Ant 18	SUM	Ant 17	Ant 18	Ant 17	Ant 18	
HE20	MCS0	2	144	5720	Full			5.99	11.00	2.14			Pass
HE20	MCS0	2	144	5720	26/8			5.74	11.00	2.14			Pass
HE20	MCS0	2	144	5720	52/40			5.58	11.00	2.14			Pass
HE20	MCS0	2	144	5720	106/54			5.71	11.00	2.14			Pass
HE40	MCS0	2	142	5710	Full			3.82	11.00	2.14			Pass
HE80	MCS0	2	138	5690	Full			0.36	11.00	2.14			Pass



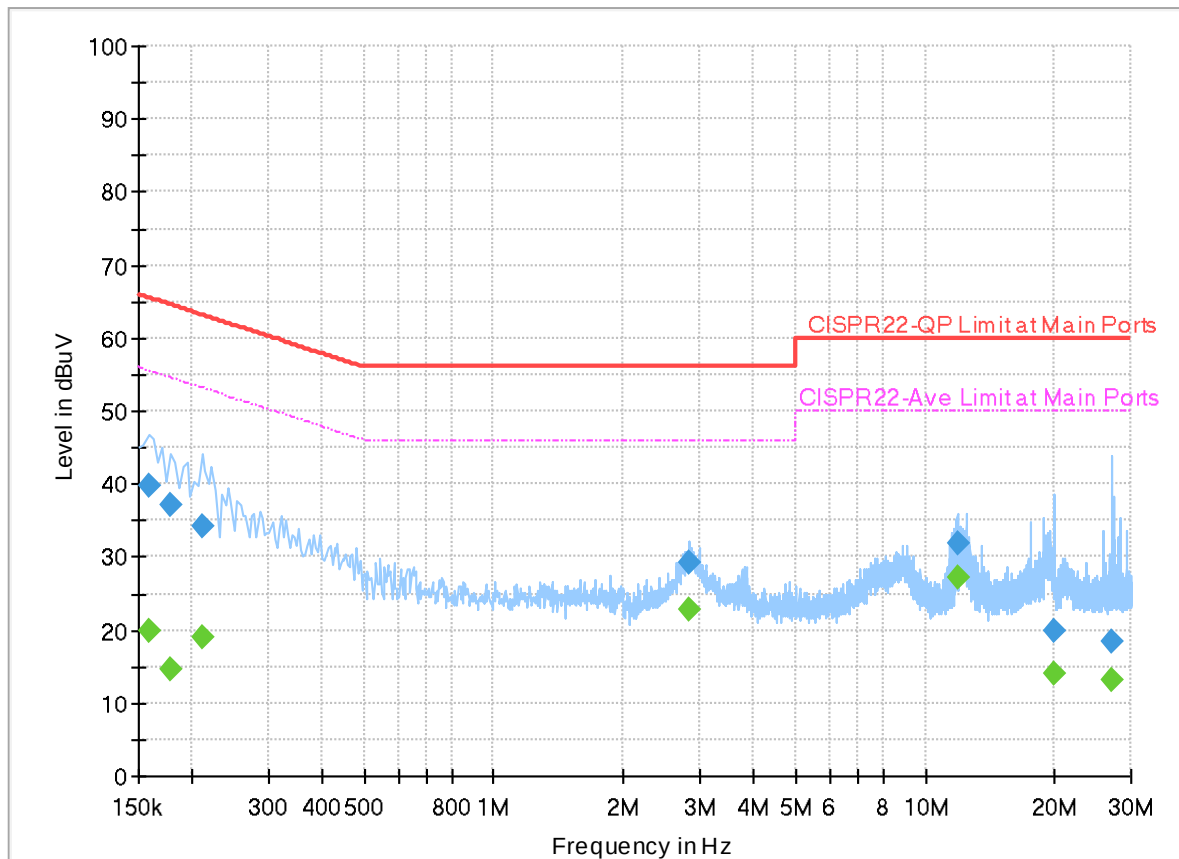
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	21.3~25.6℃
		Relative Humidity :	48.2~57.6%

EUT Information

Report NO : 251212
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



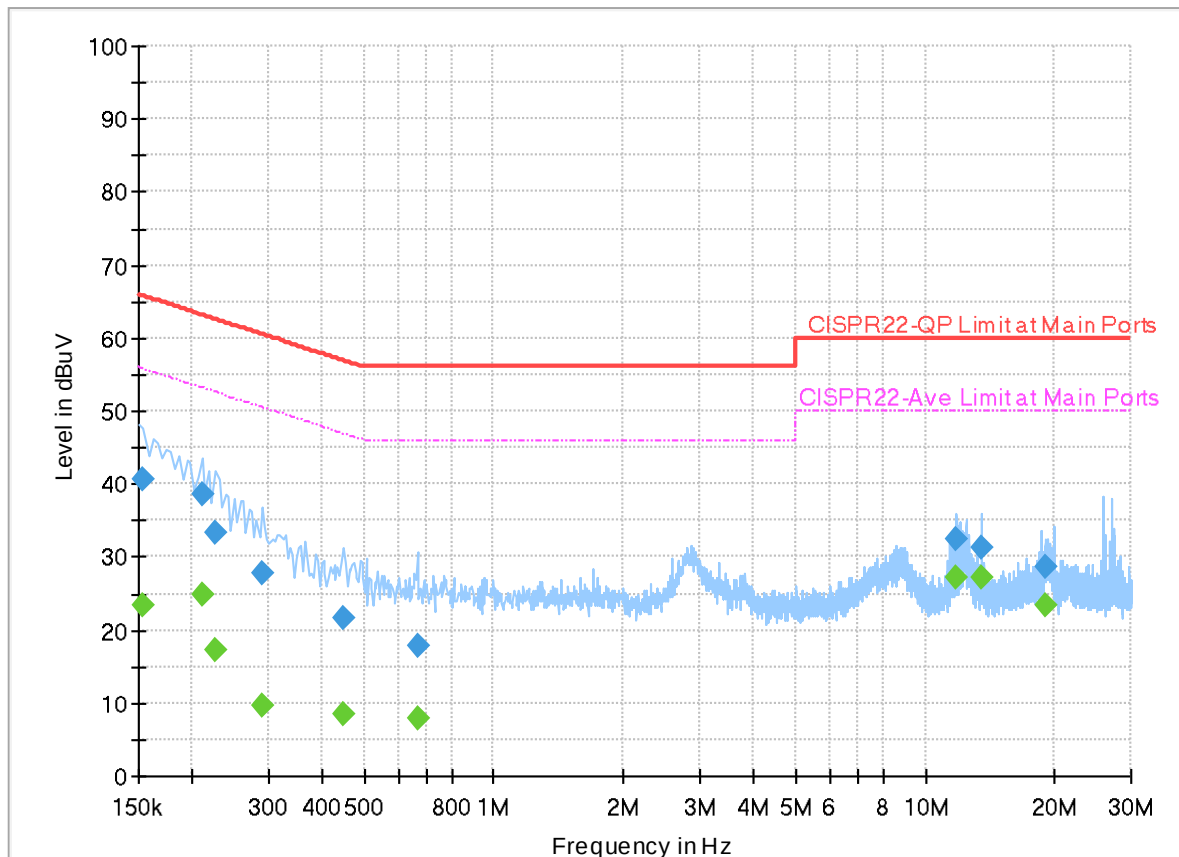
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.158000	---	19.93	55.57	35.64	L1	OFF	20.0
0.158000	39.65	---	65.57	25.92	L1	OFF	20.0
0.178000	---	14.69	54.58	39.89	L1	OFF	20.0
0.178000	37.05	---	64.58	27.53	L1	OFF	20.0
0.210000	---	19.00	53.21	34.21	L1	OFF	20.0
0.210000	34.08	---	63.21	29.13	L1	OFF	20.0
2.842000	---	22.90	46.00	23.10	L1	OFF	20.0
2.842000	29.38	---	56.00	26.62	L1	OFF	20.0
11.854000	---	27.14	50.00	22.86	L1	OFF	20.2
11.854000	31.97	---	60.00	28.03	L1	OFF	20.2
19.994000	---	14.17	50.00	35.83	L1	OFF	20.2
19.994000	19.78	---	60.00	40.22	L1	OFF	20.2
27.062000	---	13.27	50.00	36.73	L1	OFF	20.3
27.062000	18.46	---	60.00	41.54	L1	OFF	20.3

EUT Information

Report NO : 251212
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)
0.154000	---	23.27	55.78	32.51	N	OFF	20.0
0.154000	40.58	---	65.78	25.20	N	OFF	20.0
0.210000	---	24.86	53.21	28.35	N	OFF	20.0
0.210000	38.57	---	63.21	24.64	N	OFF	20.0
0.226000	---	17.33	52.60	35.27	N	OFF	20.0
0.226000	33.37	---	62.60	29.23	N	OFF	20.0
0.290000	---	9.66	50.52	40.86	N	OFF	20.0
0.290000	27.68	---	60.52	32.84	N	OFF	20.0
0.446000	---	8.35	46.95	38.60	N	OFF	20.0
0.446000	21.70	---	56.95	35.25	N	OFF	20.0
0.666000	---	7.83	46.00	38.17	N	OFF	20.0
0.666000	17.91	---	56.00	38.09	N	OFF	20.0
11.850000	---	27.33	50.00	22.67	N	OFF	20.2
11.850000	32.33	---	60.00	27.67	N	OFF	20.2
13.562000	---	27.12	50.00	22.88	N	OFF	20.2
13.562000	31.15	---	60.00	28.85	N	OFF	20.2
19.126000	---	23.46	50.00	26.54	N	OFF	20.3
19.126000	28.67	---	60.00	31.33	N	OFF	20.3



Appendix C. Radiated Spurious Emission

Test Engineer :	Karl Hou and Steven Wu	Temperature :	20~25°C
		Relative Humidity :	50~65%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
17+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5146.64	59.07	-14.93	74	43.5	33	12.03	29.46	100	118	P	H
		5145.86	49.09	-4.91	54	33.52	33	12.03	29.46	100	118	A	H
	*	5180	111.56	-	-	95.89	33.06	12.08	29.47	100	118	P	H
	*	5180	104.26	-	-	88.59	33.06	12.08	29.47	100	118	A	H
													H
													H
		5149.5	54.15	-19.85	74	38.58	33	12.03	29.46	400	25	P	V
		5149.5	46.05	-7.95	54	30.48	33	12.03	29.46	400	25	A	V
	*	5180	107.05	-	-	91.38	33.06	12.08	29.47	400	25	P	V
	*	5180	99.76	-	-	84.09	33.06	12.08	29.47	400	25	A	V
													V
													V
802.11a CH 44 5220MHz		5142.22	54.86	-19.14	74	39.3	33	12.02	29.46	101	119	P	H
		5149.24	44.09	-9.91	54	28.52	33	12.03	29.46	101	119	A	H
	*	5220	112.7	-	-	96.94	33.06	12.18	29.48	101	119	P	H
	*	5220	104.94	-	-	89.18	33.06	12.18	29.48	101	119	A	H
		5431.16	55.07	-18.93	74	38.98	32.84	12.8	29.55	101	119	P	H
		5351.08	44.28	-9.72	54	28.38	32.8	12.62	29.52	101	119	A	H
		5034.84	54.53	-19.47	74	38.9	33.2	11.85	29.42	358	86	P	V
		5139.36	43.57	-10.43	54	28	33	12.02	29.45	358	86	A	V
	*	5220	107.45	-	-	91.69	33.06	12.18	29.48	358	86	P	V
	*	5220	100.02	-	-	84.26	33.06	12.18	29.48	358	86	A	V
		5437.04	54.34	-19.66	74	38.25	32.83	12.81	29.55	358	86	P	V
		5385.8	43.92	-10.08	54	27.84	32.87	12.74	29.53	358	86	A	V



802.11a CH 48 5240MHz		5009.1	54.65	-19.35	74	39.05	33.2	11.81	29.41	100	118	P	H
		5148.2	44.12	-9.88	54	28.55	33	12.03	29.46	100	118	A	H
	*	5240	112.33	-	-	96.55	33.02	12.25	29.49	100	118	P	H
	*	5240	104.83	-	-	89.05	33.02	12.25	29.49	100	118	A	H
		5390.56	54.35	-19.65	74	38.24	32.88	12.76	29.53	100	118	P	H
		5400.08	44.15	-9.85	54	28	32.9	12.79	29.54	100	118	A	H
		5099.06	53.86	-20.14	74	38.35	33	11.95	29.44	338	75	P	V
		5066.56	43.96	-10.04	54	28.36	33.13	11.9	29.43	338	75	A	V
	*	5240	107.39	-	-	91.61	33.02	12.25	29.49	338	75	P	V
	*	5240	100.44	-	-	84.66	33.02	12.25	29.49	338	75	A	V
		5385.52	54.71	-19.29	74	38.63	32.87	12.74	29.53	338	75	P	V
		5363.12	44	-10	54	28.04	32.83	12.66	29.53	338	75	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	53.2	-15	68.2	62.1	38.92	18.9	66.72	-	-	P	H
		14491	51.73	-22.27	74	54.5	40.89	21.75	65.41	-	-	P	H
		14491	40.6	-13.4	54	43.37	40.89	21.75	65.41	-	-	A	H
		15540	47.89	-26.11	74	53.45	37.92	22.65	66.13	-	-	P	H
		17967	55.94	-18.06	74	53.23	42.4	25.46	65.15	-	-	P	H
		17967	44.2	-9.8	54	41.49	42.4	25.46	65.15	-	-	A	H
													H
													H
													H
													H
													H
													H
		10360	51.21	-16.99	68.2	60.11	38.92	18.9	66.72	-	-	P	V
		14491	50.73	-23.27	74	53.5	40.89	21.75	65.41	-	-	P	V
		14491	40.68	-13.32	54	43.45	40.89	21.75	65.41	-	-	A	V
		15540	47.51	-26.49	74	53.07	37.92	22.65	66.13	-	-	P	V
		17989	55.25	-18.75	74	52.42	42.47	25.48	65.12	-	-	P	V
		17989	44.15	-9.85	54	41.32	42.47	25.48	65.12	-	-	A	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 44 5220MHz		10440	52.45	-15.75	68.2	61.36	38.92	18.91	66.74	-	-	P	H
		14491	50.95	-23.05	74	53.72	40.89	21.75	65.41	-	-	P	H
		14491	40.62	-13.38	54	43.39	40.89	21.75	65.41	-	-	A	H
		15660	47.97	-26.03	74	54.07	37.44	22.74	66.28	-	-	P	H
		18000	55	-19	74	52.12	42.5	25.48	65.1	-	-	P	H
		18000	44.05	-9.95	54	41.17	42.5	25.48	65.1	-	-	A	H
													H
													H
													H
													H
													H
													H
		10440	50.92	-17.28	68.2	59.83	38.92	18.91	66.74	-	-	P	V
		14491	52.03	-21.97	74	54.8	40.89	21.75	65.41	-	-	P	V
		14491	40.75	-13.25	54	43.52	40.89	21.75	65.41	-	-	A	V
		15660	47.1	-26.9	74	53.2	37.44	22.74	66.28	-	-	P	V
		17989	54.8	-19.2	74	51.97	42.47	25.48	65.12	-	-	P	V
		17989	44.26	-9.74	54	41.43	42.47	25.48	65.12	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant. 17+18		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)	
802.11a CH 48 5240MHz		10480	52.2	-16	68.2	61.19	38.84	18.92	66.75	-	-	P	H	
		14491	50.94	-23.06	74	53.71	40.89	21.75	65.41	-	-	P	H	
		14491	40.52	-13.48	54	43.29	40.89	21.75	65.41	-	-	A	H	
		15720	47.85	-26.15	74	54.21	37.22	22.78	66.36	-	-	P	H	
		17978	54.87	-19.13	74	52.1	42.43	25.47	65.13	-	-	P	H	
		17978	43.98	-10.02	54	41.21	42.43	25.47	65.13	-	-	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
		10480	49.95	-18.25	68.2	58.94	38.84	18.92	66.75	-	-	P	V	
		14491	50.75	-23.25	74	53.52	40.89	21.75	65.41	-	-	P	V	
		14491	40.7	-13.3	54	43.47	40.89	21.75	65.41	-	-	A	V	
		15720	47.79	-26.21	74	54.15	37.22	22.78	66.36	-	-	P	V	
		17978	54.83	-19.17	74	52.06	42.43	25.47	65.13	-	-	P	V	
		17978	44.25	-9.75	54	41.48	42.43	25.47	65.13	-	-	A	V	
														V
														V
														V
														V
														V
													V	
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.													



Band 1 5150~5250MHz

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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5146.9	57.6	-16.4	74	42.03	33	12.03	29.46	100	120	P	H
		5149.24	48.75	-5.25	54	33.18	33	12.03	29.46	100	120	A	H
	*	5180	112.23	-	-	96.56	33.06	12.08	29.47	100	120	P	H
	*	5180	102.96	-	-	87.29	33.06	12.08	29.47	100	120	A	H
													H
													H
		5142.74	55.47	-18.53	74	39.91	33	12.02	29.46	400	22	P	V
		5148.46	45.94	-8.06	54	30.37	33	12.03	29.46	400	22	A	V
	*	5180	107.84	-	-	92.17	33.06	12.08	29.47	400	22	P	V
	*	5180	98.59	-	-	82.92	33.06	12.08	29.47	400	22	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5114.92	55.02	-18.98	74	39.49	33	11.98	29.45	100	119	P	H
		5149.76	44.8	-9.2	54	29.23	33	12.03	29.46	100	119	A	H
	*	5220	113.9	-	-	98.14	33.06	12.18	29.48	100	119	P	H
	*	5220	103.55	-	-	87.79	33.06	12.18	29.48	100	119	A	H
		5443.2	54.85	-19.15	74	38.78	32.81	12.81	29.55	100	119	P	H
		5436.76	44.7	-9.3	54	28.61	32.83	12.81	29.55	100	119	A	H
		5120.12	54.82	-19.18	74	39.28	33	11.99	29.45	361	79	P	V
		5118.3	44.31	-9.69	54	28.78	33	11.98	29.45	361	79	A	V
	*	5220	109.28	-	-	93.52	33.06	12.18	29.48	361	79	P	V
	*	5220	99.05	-	-	83.29	33.06	12.18	29.48	361	79	A	V
		5455.52	54.31	-19.69	74	38.25	32.81	12.81	29.56	361	79	P	V
		5366.76	44.03	-9.97	54	28.05	32.83	12.68	29.53	361	79	A	V



802.11ax HE20 Full CH 48 5240MHz		5128.52	54.25	-19.75	74	38.7	33	12	29.45	100	120	P	H
		5144.5	44	-10	54	28.44	33	12.02	29.46	100	120	A	H
	*	5240	113.11	-	-	97.33	33.02	12.25	29.49	100	120	P	H
	*	5240	103.54	-	-	87.76	33.02	12.25	29.49	100	120	A	H
		5403.16	54.17	-19.83	74	38.03	32.89	12.79	29.54	100	120	P	H
		5398.96	44.52	-9.48	54	28.37	32.9	12.79	29.54	100	120	A	H
		5014.96	54.4	-19.6	74	38.79	33.2	11.82	29.41	338	82	P	V
		5145.86	43.5	-10.5	54	27.93	33	12.03	29.46	338	82	A	V
	*	5240	108.16	-	-	92.38	33.02	12.25	29.49	338	82	P	V
	*	5240	99.31	-	-	83.53	33.02	12.25	29.49	338	82	A	V
		5397	54.78	-19.22	74	38.65	32.89	12.78	29.54	338	82	P	V
		5360.04	44.16	-9.84	54	28.22	32.82	12.65	29.53	338	82	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	52.44	-15.76	68.2	61.34	38.92	18.9	66.72	-	-	P	H
		14491	50.36	-23.64	74	53.13	40.89	21.75	65.41	-	-	P	H
		14491	40.59	-13.41	54	43.36	40.89	21.75	65.41	-	-	A	H
		15540	47.68	-26.32	74	53.24	37.92	22.65	66.13	-	-	P	H
		17956	54.95	-19.05	74	52.29	42.37	25.46	65.17	-	-	P	H
		17956	44.29	-9.71	54	41.63	42.37	25.46	65.17	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
		10360	49.1	-19.1	68.2	58	38.92	18.9	66.72	-	-	P	V
		14491	50.45	-23.55	74	53.22	40.89	21.75	65.41	-	-	P	V
		14491	40.75	-13.25	54	43.52	40.89	21.75	65.41	-	-	A	V
		15540	47.29	-26.71	74	52.85	37.92	22.65	66.13	-	-	P	V
		17978	54.13	-19.87	74	51.36	42.43	25.47	65.13	-	-	P	V
		17978	44.25	-9.75	54	41.48	42.43	25.47	65.13	-	-	A	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 44 5220MHz		10440	51.17	-17.03	68.2	60.08	38.92	18.91	66.74	-	-	P	H
		14491	49.97	-24.03	74	52.74	40.89	21.75	65.41	-	-	P	H
		14491	40.53	-13.47	54	43.3	40.89	21.75	65.41	-	-	A	H
		15660	46.8	-27.2	74	52.9	37.44	22.74	66.28	-	-	P	H
		18000	54.43	-19.57	74	51.55	42.5	25.48	65.1	-	-	P	H
		18000	44.12	-9.88	54	41.24	42.5	25.48	65.1	-	-	A	H
													H
													H
													H
													H
													H
													H
		10440	48.24	-19.96	68.2	57.15	38.92	18.91	66.74	-	-	P	V
		14491	51.16	-22.84	74	53.93	40.89	21.75	65.41	-	-	P	V
		14491	40.79	-13.21	54	43.56	40.89	21.75	65.41	-	-	A	V
		15660	46.73	-27.27	74	52.83	37.44	22.74	66.28	-	-	P	V
		17978	54.49	-19.51	74	51.72	42.43	25.47	65.13	-	-	P	V
		17978	44.26	-9.74	54	41.49	42.43	25.47	65.13	-	-	A	V
													V
													V
													V
													V
													V
													V

[illegible]



Band 1 5150~5250MHz

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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 36 5180MHz		5140.14	55.87	-18.13	74	40.3	33	12.02	29.45	100	117	P	H
		5150	43.81	-10.19	54	28.24	33	12.03	29.46	100	117	A	H
	*	5180	118.53	-	-	102.86	33.06	12.08	29.47	100	117	P	H
	*	5180	109.95	-	-	94.28	33.06	12.08	29.47	100	117	A	H
													H
													H
		5140.66	55.45	-18.55	74	39.89	33	12.02	29.46	380	22	P	V
		5149.76	43.1	-10.9	54	27.53	33	12.03	29.46	380	22	A	V
	*	5180	115.74	-	-	100.07	33.06	12.08	29.47	380	22	P	V
	*	5180	105.95	-	-	90.28	33.06	12.08	29.47	380	22	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5145.34	56.35	-17.65	74	40.78	33	12.03	29.46	100	118	P	H
		5150	47.43	-6.57	54	31.86	33	12.03	29.46	100	118	A	H
	*	5190	109.18	-	-	93.48	33.08	12.09	29.47	100	118	P	H
	*	5190	99.08	-	-	83.38	33.08	12.09	29.47	100	118	A	H
		5366.76	54.66	-19.34	74	38.68	32.83	12.68	29.53	100	118	P	H
		5403.16	45.15	-8.85	54	29.01	32.89	12.79	29.54	100	118	A	H
		5100.1	54.48	-19.52	74	38.96	33	11.96	29.44	400	27	P	V
		5149.24	45.68	-8.32	54	30.11	33	12.03	29.46	400	27	A	V
	*	5190	103.93	-	-	88.23	33.08	12.09	29.47	400	27	P	V
	*	5190	94.23	-	-	78.53	33.08	12.09	29.47	400	27	A	V
		5441.8	53.84	-20.16	74	37.76	32.82	12.81	29.55	400	27	P	V
		5432	45.07	-8.93	54	28.98	32.84	12.8	29.55	400	27	A	V
802.11ax HE40 Full CH 46 5230MHz		5019.5	55.24	-18.76	74	39.63	33.2	11.83	29.42	100	119	P	H
		5149.24	45.67	-8.33	54	30.1	33	12.03	29.46	100	119	A	H
	*	5230	111.63	-	-	95.86	33.04	12.21	29.48	100	119	P	H
	*	5230	101.73	-	-	85.96	33.04	12.21	29.48	100	119	A	H
		5380.76	54.52	-19.48	74	38.47	32.86	12.72	29.53	100	119	P	H
		5351.36	45.2	-8.8	54	29.3	32.8	12.62	29.52	100	119	A	H
		5008.58	54.32	-19.68	74	38.72	33.2	11.81	29.41	339	81	P	V
		5135.2	45.26	-8.74	54	29.7	33	12.01	29.45	339	81	A	V
	*	5230	107.02	-	-	91.25	33.04	12.21	29.48	339	81	P	V
	*	5230	97.7	-	-	81.93	33.04	12.21	29.48	339	81	A	V
		5350.8	55.05	-18.95	74	39.15	32.8	12.62	29.52	339	81	P	V
		5358.92	45.16	-8.84	54	29.21	32.82	12.65	29.52	339	81	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	49.21	-18.99	68.2	58.08	38.96	18.9	66.73	-	-	P	H
		14491	50.51	-23.49	74	53.28	40.89	21.75	65.41	-	-	P	H
		14491	40.84	-13.16	54	43.61	40.89	21.75	65.41	-	-	A	H
		15570	47.61	-26.39	74	53.24	37.86	22.68	66.17	-	-	P	H
		17967	54.26	-19.74	74	51.55	42.4	25.46	65.15	-	-	P	H
		17967	44.11	-9.89	54	41.4	42.4	25.46	65.15	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
		10380	48.49	-19.71	68.2	57.36	38.96	18.9	66.73	-	-	P	V
		14491	51.36	-22.64	74	54.13	40.89	21.75	65.41	-	-	P	V
		14491	40.78	-13.22	54	43.55	40.89	21.75	65.41	-	-	A	V
		15570	47.56	-26.44	74	53.19	37.86	22.68	66.17	-	-	P	V
		17967	55.76	-18.24	74	53.05	42.4	25.46	65.15	-	-	P	V
		17967	44.07	-9.93	54	41.36	42.4	25.46	65.15	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 46 5230MHz		10460	47.99	-20.21	68.2	56.94	38.88	18.91	66.74	-	-	P	H
		14491	49.99	-24.01	74	52.76	40.89	21.75	65.41	-	-	P	H
		14491	40.86	-13.14	54	43.63	40.89	21.75	65.41	-	-	A	H
		15690	47.63	-26.37	74	53.93	37.26	22.76	66.32	-	-	P	H
		17967	54.18	-19.82	74	51.47	42.4	25.46	65.15	-	-	P	H
		17967	44.08	-9.92	54	41.37	42.4	25.46	65.15	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	



Band 1 5150~5250MHz

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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5144.82	56.02	-17.98	74	40.46	33	12.02	29.46	101	118	P	H
		5149.5	49.58	-4.42	54	34.01	33	12.03	29.46	101	118	A	H
	*	5210	101.25	-	-	85.51	33.08	12.14	29.48	101	118	P	H
	*	5210	92.94	-	-	77.2	33.08	12.14	29.48	101	118	A	H
		5455.24	54.2	-19.8	74	38.14	32.81	12.81	29.56	101	118	P	H
		5390	46.78	-7.22	54	30.67	32.88	12.76	29.53	101	118	A	H
		5075.66	54.84	-19.16	74	39.25	33.1	11.92	29.43	395	25	P	V
		5117.52	46.71	-7.29	54	31.18	33	11.98	29.45	395	25	A	V
	*	5210	96.69	-	-	80.95	33.08	12.14	29.48	395	25	P	V
	*	5210	88.28	-	-	72.54	33.08	12.14	29.48	395	25	A	V
		5383.56	54.62	-19.38	74	38.55	32.87	12.73	29.53	395	25	P	V
		5418.84	46.61	-7.39	54	30.49	32.86	12.8	29.54	395	25	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)

[illegible]



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5104.72	54.02	-19.98	74	38.5	33	11.96	29.44	100	118	P	H
		5149.94	44	-10	54	28.43	33	12.03	29.46	100	118	A	H
	*	5260	115.59	-	-	99.79	32.98	12.31	29.49	100	118	P	H
	*	5260	108.31	-	-	92.51	32.98	12.31	29.49	100	118	A	H
		5352.24	55.45	-18.55	74	39.54	32.8	12.63	29.52	100	118	P	H
		5366.88	43.89	-10.11	54	27.91	32.83	12.68	29.53	100	118	A	H
		5098.94	54.48	-19.52	74	38.97	33	11.95	29.44	335	85	P	V
		5141.1	43.61	-10.39	54	28.05	33	12.02	29.46	335	85	A	V
	*	5260	110.75	-	-	94.95	32.98	12.31	29.49	335	85	P	V
	*	5260	103.23	-	-	87.43	32.98	12.31	29.49	335	85	A	V
		5450.4	54.5	-19.5	74	38.44	32.8	12.81	29.55	335	85	P	V
		5397.12	43.96	-10.04	54	27.83	32.89	12.78	29.54	335	85	A	V
802.11a CH 60 5300MHz		5092.48	54.1	-19.9	74	38.57	33.03	11.94	29.44	100	118	P	H
		5142.12	43.87	-10.13	54	28.31	33	12.02	29.46	100	118	A	H
	*	5300	116.92	-	-	101.08	32.9	12.45	29.51	100	118	P	H
	*	5300	109.04	-	-	93.2	32.9	12.45	29.51	100	118	A	H
		5350.8	57.22	-16.78	74	41.32	32.8	12.62	29.52	100	118	P	H
		5350.08	48.41	-5.59	54	32.51	32.8	12.62	29.52	100	118	A	H
		5040.8	54.02	-19.98	74	38.38	33.2	11.86	29.42	381	27	P	V
		5056.1	43.61	-10.39	54	27.97	33.18	11.89	29.43	381	27	A	V
	*	5300	111.01	-	-	95.17	32.9	12.45	29.51	381	27	P	V
	*	5300	101.09	-	-	85.25	32.9	12.45	29.51	381	27	A	V
		5365.44	54.51	-19.49	74	38.54	32.83	12.67	29.53	381	27	P	V
		5350.56	44.84	-9.16	54	28.94	32.8	12.62	29.52	381	27	A	V



802.11a CH 64 5320MHz	*	5320	114.26	-	-	98.39	32.86	12.52	29.51	100	118	P	H
	*	5320	107.14	-	-	91.27	32.86	12.52	29.51	100	118	A	H
		5351.2	61.57	-12.43	74	45.67	32.8	12.62	29.52	100	118	P	H
		5350.08	50.59	-3.41	54	34.69	32.8	12.62	29.52	100	118	A	H
													H
													H
	*	5320	108.2	-	-	92.33	32.86	12.52	29.51	377	25	P	V
	*	5320	100.98	-	-	85.11	32.86	12.52	29.51	377	25	A	V
		5353.28	56.22	-17.78	74	40.3	32.81	12.63	29.52	377	25	P	V
		5351.36	47.19	-6.81	54	31.29	32.8	12.62	29.52	377	25	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	55.76	-12.44	68.2	64.67	38.88	18.93	66.72	-	-	P	H
		14491	50.8	-23.2	74	53.57	40.89	21.75	65.41	-	-	P	H
		14491	40.54	-13.46	54	43.31	40.89	21.75	65.41	-	-	A	H
		15780	47.6	-26.4	74	53.92	37.28	22.83	66.43	-	-	P	H
		17978	55.31	-18.69	74	52.54	42.43	25.47	65.13	-	-	P	H
		17978	44.17	-9.83	54	41.4	42.43	25.47	65.13	-	-	A	H
													H
													H
													H
													H
													H
													H
		10520	53.18	-15.02	68.2	62.09	38.88	18.93	66.72	-	-	P	V
		14491	50.85	-23.15	74	53.62	40.89	21.75	65.41	-	-	P	V
		14491	40.71	-13.29	54	43.48	40.89	21.75	65.41	-	-	A	V
		15780	47.25	-26.75	74	53.57	37.28	22.83	66.43	-	-	P	V
		17989	55	-19	74	52.17	42.47	25.48	65.12	-	-	P	V
		17989	44.38	-9.62	54	41.55	42.47	25.48	65.12	-	-	A	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
i802.11a CH 60 5300MHz		10600	59.76	-14.24	74	68.23	39.2	18.95	66.62	102	98	P	H
		10600	47.96	-6.04	54	56.43	39.2	18.95	66.62	102	98	A	H
		14491	50.68	-23.32	74	53.45	40.89	21.75	65.41	-	-	P	H
		14491	40.75	-13.25	54	43.52	40.89	21.75	65.41	-	-	A	H
		15900	46.98	-27.02	74	53.46	37.2	22.9	66.58	-	-	P	H
		17989	54.96	-19.04	74	52.13	42.47	25.48	65.12	-	-	P	H
		17989	44.27	-9.73	54	41.44	42.47	25.48	65.12	-	-	A	H
													H
													H
													H
													H
													H
		10600	55.58	-18.42	74	64.05	39.2	18.95	66.62	400	78	P	V
		10600	45.3	-8.7	54	53.77	39.2	18.95	66.62	400	78	A	V
		14491	51	-23	74	53.77	40.89	21.75	65.41	-	-	P	V
		14491	40.81	-13.19	54	43.58	40.89	21.75	65.41	-	-	A	V
		15900	47.76	-26.24	74	54.24	37.2	22.9	66.58	-	-	P	V
		17989	55.5	-18.5	74	52.67	42.47	25.48	65.12	-	-	P	V
		17989	44.2	-9.8	54	41.37	42.47	25.48	65.12	-	-	A	V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 17+18		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 64 5320MHz		10640	54.93	-19.07	74	63.35	39.2	18.95	66.57	100	96	P	H
		10640	44.7	-9.3	54	53.12	39.2	18.95	66.57	100	96	A	H
		14491	51.08	-22.92	74	53.85	40.89	21.75	65.41	-	-	P	H
		14491	40.96	-13.04	54	43.73	40.89	21.75	65.41	-	-	A	H
		15960	46.73	-27.27	74	53.3	37.14	22.95	66.66	-	-	P	H
		17967	54.25	-19.75	74	51.54	42.4	25.46	65.15	-	-	P	H
		17967	44.17	-9.83	54	41.46	42.4	25.46	65.15	-	-	A	H
													H
													H
													H
													H
													H
		10640	52.11	-21.89	74	60.53	39.2	18.95	66.57	398	78	P	V
		10640	42.37	-11.63	54	50.79	39.2	18.95	66.57	398	78	A	V
		14491	50.9	-23.1	74	53.67	40.89	21.75	65.41	-	-	P	V
		14491	40.92	-13.08	54	43.69	40.89	21.75	65.41	-	-	A	V
		15960	46.46	-27.54	74	53.03	37.14	22.95	66.66	-	-	P	V
		17901	54.48	-19.52	74	52.1	42.2	25.43	65.25	-	-	P	V
		17901	43.97	-10.03	54	41.59	42.2	25.43	65.25	-	-	A	V
													V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



Band 2 5250~5350MHz

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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		5075.82	54.45	-19.55	74	38.86	33.1	11.92	29.43	100	119	P	H
		5146.54	44.81	-9.19	54	29.24	33	12.03	29.46	100	119	A	H
	*	5260	116.74	-	-	100.94	32.98	12.31	29.49	100	119	P	H
	*	5260	107.27	-	-	91.47	32.98	12.31	29.49	100	119	A	H
		5385.12	55.21	-18.79	74	39.13	32.87	12.74	29.53	100	119	P	H
		5356.8	44.8	-9.2	54	28.87	32.81	12.64	29.52	100	119	A	H
		5029.24	54.46	-19.54	74	38.83	33.2	11.85	29.42	336	81	P	V
		5133.28	44.28	-9.72	54	28.72	33	12.01	29.45	336	81	A	V
	*	5260	112.48	-	-	96.68	32.98	12.31	29.49	336	81	P	V
	*	5260	103.49	-	-	87.69	32.98	12.31	29.49	336	81	A	V
		5392.08	55.39	-18.61	74	39.29	32.88	12.76	29.54	336	81	P	V
		5431.44	43.87	-10.13	54	27.78	32.84	12.8	29.55	336	81	A	V
802.11ax HE20 Full CH 60 5300MHz		5116.96	54.16	-19.84	74	38.63	33	11.98	29.45	100	119	P	H
		5147.9	44.5	-9.5	54	28.93	33	12.03	29.46	100	119	A	H
	*	5300	117.24	-	-	101.4	32.9	12.45	29.51	100	119	P	H
	*	5300	107.27	-	-	91.43	32.9	12.45	29.51	100	119	A	H
		5351.76	58.2	-15.8	74	42.29	32.8	12.63	29.52	100	119	P	H
		5350.08	48.5	-5.5	54	32.6	32.8	12.62	29.52	100	119	A	H
		5110.5	54.14	-19.86	74	38.62	33	11.97	29.45	366	28	P	V
		5096.56	44.24	-9.76	54	28.72	33.01	11.95	29.44	366	28	A	V
	*	5300	112.01	-	-	96.17	32.9	12.45	29.51	366	28	P	V
	*	5300	101.5	-	-	85.66	32.9	12.45	29.51	366	28	A	V
		5356.08	56.37	-17.63	74	40.44	32.81	12.64	29.52	366	28	P	V
		5351.04	45.3	-8.7	54	29.4	32.8	12.62	29.52	366	28	A	V



802.11ax HE20 Full CH 64 5320MHz	*	5320	114.95	-	-	99.08	32.86	12.52	29.51	100	118	P	H
	*	5320	105.24	-	-	89.37	32.86	12.52	29.51	100	118	A	H
		5351.04	58.47	-15.53	74	42.57	32.8	12.62	29.52	100	118	P	H
		5350.24	49.71	-4.29	54	33.81	32.8	12.62	29.52	100	118	A	H
													H
													H
	*	5320	107.65	-	-	91.78	32.86	12.52	29.51	359	22	P	V
	*	5320	98.65	-	-	82.78	32.86	12.52	29.51	359	22	A	V
		5355.68	55.58	-18.42	74	39.65	32.81	12.64	29.52	359	22	P	V
		5351.04	45.91	-8.09	54	30.01	32.8	12.62	29.52	359	22	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		10520	53.85	-14.35	68.2	62.76	38.88	18.93	66.72	-	-	P	H
		14491	50.28	-23.72	74	53.05	40.89	21.75	65.41	-	-	P	H
		14491	40.6	-13.4	54	43.37	40.89	21.75	65.41	-	-	A	H
		15780	47.07	-26.93	74	53.39	37.28	22.83	66.43	-	-	P	H
		17978	54.53	-19.47	74	51.76	42.43	25.47	65.13	-	-	P	H
		17978	44.35	-9.65	54	41.58	42.43	25.47	65.13	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
		10520	49.99	-18.21	68.2	58.9	38.88	18.93	66.72	-	-	P	V
		14491	51.02	-22.98	74	53.79	40.89	21.75	65.41	-	-	P	V
		14491	40.87	-13.13	54	43.64	40.89	21.75	65.41	-	-	A	V
		15780	47.83	-26.17	74	54.15	37.28	22.83	66.43	-	-	P	V
		17978	54.96	-19.04	74	52.19	42.43	25.47	65.13	-	-	P	V
		17978	44.29	-9.71	54	41.52	42.43	25.47	65.13	-	-	A	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 60 5300MHz		10600	56.35	-17.65	74	64.82	39.2	18.95	66.62	100	97	P	H
		10600	45.82	-8.18	54	54.29	39.2	18.95	66.62	100	97	A	H
		14491	50.76	-23.24	74	53.53	40.89	21.75	65.41	-	-	P	H
		14491	40.69	-13.31	54	43.46	40.89	21.75	65.41	-	-	A	H
		15900	46.08	-27.92	74	52.56	37.2	22.9	66.58	-	-	P	H
		17989	54	-20	74	51.17	42.47	25.48	65.12	-	-	P	H
		17989	44.32	-9.68	54	41.49	42.47	25.48	65.12	-	-	A	H
													H
													H
													H
													H
													H
		10600	53.45	-20.55	74	61.92	39.2	18.95	66.62	400	81	P	V
		10600	43.81	-10.19	54	52.28	39.2	18.95	66.62	400	81	A	V
		14491	51.27	-22.73	74	54.04	40.89	21.75	65.41	-	-	P	V
		14491	40.74	-13.26	54	43.51	40.89	21.75	65.41	-	-	A	V
		15900	46.68	-27.32	74	53.16	37.2	22.9	66.58	-	-	P	V
		17934	53.69	-20.31	74	51.14	42.3	25.45	65.2	-	-	P	V
		17934	44.19	-9.81	54	41.64	42.3	25.45	65.2	-	-	A	V
													V
													V
													V
													V
													V

[illegible]



Band 2 5250~5350MHz

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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/8 CH 64 5320MHz	*	5320	120.24	-	-	104.37	32.86	12.52	29.51	100	118	P	H
	*	5320	111.31	-	-	95.44	32.86	12.52	29.51	100	118	A	H
		5390.4	56.38	-17.62	74	40.27	32.88	12.76	29.53	100	118	P	H
		5350.08	44.45	-9.55	54	28.55	32.8	12.62	29.52	100	118	A	H
													H
													H
	*	5320	115.23	-	-	99.36	32.86	12.52	29.51	385	85	P	V
	*	5320	105.93	-	-	90.06	32.86	12.52	29.51	385	85	A	V
		5359.84	55.42	-18.58	74	39.48	32.82	12.65	29.53	385	85	P	V
		5350.24	43.37	-10.63	54	27.47	32.8	12.62	29.52	385	85	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 54 5270MHz		5044.2	54.95	-19.05	74	39.3	33.2	11.87	29.42	100	118	P	H
		5143.82	45.56	-8.44	54	30	33	12.02	29.46	100	118	A	H
	*	5270	114.39	-	-	98.58	32.96	12.35	29.5	100	118	P	H
	*	5270	104.85	-	-	89.04	32.96	12.35	29.5	100	118	A	H
		5404.08	55.97	-18.03	74	39.83	32.89	12.79	29.54	100	118	P	H
		5350.32	47.68	-6.32	54	31.78	32.8	12.62	29.52	100	118	A	H
		5051.34	54.35	-19.65	74	38.71	33.19	11.88	29.43	373	80	P	V
		5119.34	45.2	-8.8	54	29.67	33	11.98	29.45	373	80	A	V
	*	5270	110.49	-	-	94.68	32.96	12.35	29.5	373	80	P	V
	*	5270	100.52	-	-	84.71	32.96	12.35	29.5	373	80	A	V
		5392.56	54.54	-19.46	74	38.43	32.89	12.76	29.54	373	80	P	V
		5410.8	45.37	-8.63	54	29.24	32.88	12.79	29.54	373	80	A	V
802.11ax HE40 Full CH 62 5310MHz		5103.36	54.87	-19.13	74	39.35	33	11.96	29.44	100	119	P	H
		5070.38	45.16	-8.84	54	29.56	33.12	11.91	29.43	100	119	A	H
	*	5310	110.68	-	-	94.83	32.88	12.48	29.51	100	119	P	H
	*	5310	100.63	-	-	84.78	32.88	12.48	29.51	100	119	A	H
		5350.56	58.59	-15.41	74	42.69	32.8	12.62	29.52	100	119	P	H
		5350.32	49.3	-4.7	54	33.4	32.8	12.62	29.52	100	119	A	H
		5024.14	53.86	-20.14	74	38.24	33.2	11.84	29.42	342	24	P	V
		5015.64	45.18	-8.82	54	29.58	33.2	11.82	29.42	342	24	A	V
	*	5310	105.58	-	-	89.73	32.88	12.48	29.51	342	24	P	V
	*	5310	94.55	-	-	78.7	32.88	12.48	29.51	342	24	A	V
		5451.36	54.62	-19.38	74	38.56	32.8	12.81	29.55	342	24	P	V
		5352	45.52	-8.48	54	29.61	32.8	12.63	29.52	342	24	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 54 5270MHz		10540	55.63	-12.57	68.2	64.43	38.96	18.94	66.7	-	-	P	H
		14491	51.49	-22.51	74	54.26	40.89	21.75	65.41	-	-	P	H
		14491	40.68	-13.32	54	43.45	40.89	21.75	65.41	-	-	A	H
		15810	47.98	-26.02	74	54.31	37.29	22.85	66.47	-	-	P	H
		17901	55.25	-18.75	74	52.87	42.2	25.43	65.25	-	-	P	H
		17901	43.92	-10.08	54	41.54	42.2	25.43	65.25	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
		10540	50.53	-17.67	68.2	59.32	38.96	18.94	66.7	-	-	P	V
		14491	50.98	-23.02	74	53.75	40.89	21.75	65.41	-	-	P	V
		14491	40.8	-13.2	54	43.57	40.89	21.75	65.41	-	-	A	V
		15811	47.16	-26.84	74	53.49	37.29	22.85	66.47	-	-	P	V
		17978	55.29	-18.71	74	52.52	42.43	25.47	65.13	-	-	P	V
		17978	44.07	-9.93	54	41.3	42.43	25.47	65.13	-	-	A	V
													V
													V
													V
													V
													V
													V

[illegible]



Band 2 5250~5350MHz

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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		5107.44	54.62	-19.38	74	39.09	33	11.97	29.44	100	118	P	H
		5081.6	47.06	-6.94	54	31.5	33.07	11.93	29.44	100	118	A	H
	*	5290	103.03	-	-	87.19	32.92	12.42	29.5	100	118	P	H
	*	5290	94.01	-	-	78.17	32.92	12.42	29.5	100	118	A	H
		5350.32	56.51	-17.49	74	40.61	32.8	12.62	29.52	100	118	P	H
		5350.32	50.19	-3.81	54	34.29	32.8	12.62	29.52	100	118	A	H
		5030.94	53.93	-20.07	74	38.3	33.2	11.85	29.42	386	27	P	V
		5086.02	46.46	-7.54	54	30.91	33.06	11.93	29.44	386	27	A	V
	*	5290	96.38	-	-	80.54	32.92	12.42	29.5	386	27	P	V
	*	5290	88.45	-	-	72.61	32.92	12.42	29.5	386	27	A	V
		5425.2	54.29	-19.71	74	38.19	32.85	12.8	29.55	386	27	P	V
		5396.4	46.82	-7.18	54	30.69	32.89	12.78	29.54	386	27	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)

[illegible]



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5453.84	56.47	-17.53	74	40.41	32.81	12.81	29.56	100	117	P	H
		5469.84	58.58	-9.62	68.2	42.48	32.84	12.82	29.56	100	117	P	H
		5460	46.87	-7.13	54	30.79	32.82	12.82	29.56	100	117	A	H
	*	5500	112.96	-	-	96.79	32.9	12.84	29.57	100	117	P	H
	*	5500	105.49	-	-	89.32	32.9	12.84	29.57	100	117	A	H
													H
		5390.64	54.63	-19.37	74	38.53	32.88	12.76	29.54	339	92	P	V
		5468.24	55.08	-13.12	68.2	38.98	32.84	12.82	29.56	339	92	P	V
		5458.64	44.11	-9.89	54	28.03	32.82	12.82	29.56	339	92	A	V
	*	5500	107.79	-	-	91.62	32.9	12.84	29.57	339	92	P	V
	*	5500	100.67	-	-	84.5	32.9	12.84	29.57	339	92	A	V
													V
802.11a CH 116 5580MHz		5452.48	55.96	-18.04	74	39.9	32.8	12.81	29.55	100	118	P	H
		5462.08	53.89	-14.31	68.2	37.81	32.82	12.82	29.56	100	118	P	H
		5441.68	44.32	-9.68	54	28.24	32.82	12.81	29.55	100	118	A	H
	*	5580	113.05	-	-	96.74	33.02	12.87	29.58	100	118	P	H
	*	5580	104.98	-	-	88.67	33.02	12.87	29.58	100	118	A	H
		5732.87	54.64	-13.56	68.2	37.77	33.53	12.95	29.61	100	118	P	H
		5368.48	54.66	-19.34	74	38.67	32.84	12.68	29.53	385	92	P	V
		5460.64	52.64	-15.56	68.2	36.56	32.82	12.82	29.56	385	92	P	V
		5431.12	43.75	-10.25	54	27.66	32.84	12.8	29.55	385	92	A	V
	*	5580	107.43	-	-	91.12	33.02	12.87	29.58	385	92	P	V
	*	5580	100.34	-	-	84.03	33.02	12.87	29.58	385	92	A	V
		5759.33	54.96	-13.24	68.2	37.95	33.66	12.97	29.62	385	92	P	V



802.11a CH 140 5700MHz	*	5700	111.45	-	-	94.73	33.4	12.93	29.61	100	115	P	H
	*	5700	104.08	-	-	87.36	33.4	12.93	29.61	100	115	A	H
		5725.16	59.55	-8.65	68.2	42.71	33.5	12.95	29.61	100	115	P	H
													H
													H
													H
	*	5700	106.68	-	-	89.96	33.4	12.93	29.61	337	89	P	V
	*	5700	99.83	-	-	83.11	33.4	12.93	29.61	337	89	A	V
		5725.8	56.76	-11.44	68.2	39.92	33.5	12.95	29.61	337	89	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	50.42	-23.58	74	58.61	38.9	19.01	66.1	100	96	P	H
		11000	40.61	-13.39	54	48.8	38.9	19.01	66.1	100	96	A	H
		14491	50.72	-23.28	74	53.49	40.89	21.75	65.41	-	-	P	H
		14491	40.71	-13.29	54	43.48	40.89	21.75	65.41	-	-	A	H
		16500	49.47	-18.73	68.2	53.71	38.1	23.98	66.32	-	-	P	H
		17956	54.98	-19.02	74	52.32	42.37	25.46	65.17	-	-	P	H
		17956	44.06	-9.94	54	41.4	42.37	25.46	65.17	-	-	A	H
													H
													H
													H
													H
													H
		11000	51.14	-22.86	74	59.33	38.9	19.01	66.1	100	72	P	V
		11000	40.57	-13.43	54	48.76	38.9	19.01	66.1	100	72	A	V
		14491	50.82	-23.18	74	53.59	40.89	21.75	65.41	-	-	P	V
		14491	40.82	-13.18	54	43.59	40.89	21.75	65.41	-	-	A	V
		16500	49.99	-18.21	68.2	54.23	38.1	23.98	66.32	-	-	P	V
		17967	54.45	-19.55	74	51.74	42.4	25.46	65.15	-	-	P	V
		17967	43.85	-10.15	54	41.14	42.4	25.46	65.15	-	-	A	V
													V
													V
													V
													V
													V



WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 116 5580MHz		11160	49.23	-24.77	74	57.22	39.06	19.09	66.14	100	98	P	H
		11160	40.16	-13.84	54	48.15	39.06	19.09	66.14	100	98	A	H
		14491	50.73	-23.27	74	53.5	40.89	21.75	65.41	-	-	P	H
		14491	40.55	-13.45	54	43.32	40.89	21.75	65.41	-	-	A	H
		16740	49.32	-18.88	68.2	53.17	38.06	24.46	66.37	-	-	P	H
		17978	54.35	-19.65	74	51.58	42.43	25.47	65.13	-	-	P	H
		17978	44.23	-9.77	54	41.46	42.43	25.47	65.13	-	-	A	H
													H
													H
													H
													H
													H
		11160	49.46	-24.54	74	57.45	39.06	19.09	66.14	100	69	P	V
		11160	40.09	-13.91	54	48.08	39.06	19.09	66.14	100	69	A	V
		14491	51.1	-22.9	74	53.87	40.89	21.75	65.41	-	-	P	V
		14491	40.8	-13.2	54	43.57	40.89	21.75	65.41	-	-	A	V
		16740	49.46	-18.74	68.2	53.31	38.06	24.46	66.37	-	-	P	V
		17989	54.67	-19.33	74	51.84	42.47	25.48	65.12	-	-	P	V
		17989	44.21	-9.79	54	41.38	42.47	25.48	65.12	-	-	A	V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant. 17+18		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)	
802.11a CH 140 5700MHz		11400	47.81	-26.19	74	55.62	39.2	19.19	66.2	-	-	P	H	
		14491	50.76	-23.24	74	53.53	40.89	21.75	65.41	-	-	P	H	
		14491	40.73	-13.27	54	43.5	40.89	21.75	65.41	-	-	A	H	
		17100	48.57	-19.63	68.2	51.85	38	25.03	66.31	-	-	P	H	
		17956	54.28	-19.72	74	51.62	42.37	25.46	65.17	-	-	P	H	
		17956	44.05	-9.95	54	41.39	42.37	25.46	65.17	-	-	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
		11400	47.77	-26.23	74	55.58	39.2	19.19	66.2	-	-	P	V	
		14491	50.98	-23.02	74	53.75	40.89	21.75	65.41	-	-	P	V	
		14491	40.66	-13.34	54	43.43	40.89	21.75	65.41	-	-	A	V	
		17100	48.06	-20.14	68.2	51.34	38	25.03	66.31	-	-	P	V	
		17890	54.38	-19.62	74	52.13	42.1	25.42	65.27	-	-	P	V	
		17890	43.93	-10.07	54	41.68	42.1	25.42	65.27	-	-	A	V	
														V
														V
														V
														V
														V
													V	
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.													



Band 3 - 5470~5725MHz

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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		5455.6	57.36	-16.64	74	41.29	32.81	12.82	29.56	101	119	P	H
		5470	61.38	-6.82	68.2	45.28	32.84	12.82	29.56	101	119	P	H
		5458.16	47.49	-6.51	54	31.41	32.82	12.82	29.56	101	119	A	H
	*	5500	113.67	-	-	97.5	32.9	12.84	29.57	101	119	P	H
	*	5500	103.71	-	-	87.54	32.9	12.84	29.57	101	119	A	H
		5453.2	55.91	-18.09	74	39.85	32.81	12.81	29.56	377	79	P	V
		5468.08	55.78	-12.42	68.2	39.68	32.84	12.82	29.56	377	79	P	V
		5455.12	44.38	-9.62	54	28.32	32.81	12.81	29.56	377	79	A	V
	*	5500	109.45	-	-	93.28	32.9	12.84	29.57	377	79	P	V
	*	5500	99.34	-	-	83.17	32.9	12.84	29.57	377	79	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5447.92	56.22	-17.78	74	40.16	32.8	12.81	29.55	100	116	P	H
		5465.92	52.93	-15.27	68.2	36.84	32.83	12.82	29.56	100	116	P	H
		5455.36	44.26	-9.74	54	28.2	32.81	12.81	29.56	100	116	A	H
	*	5580	113.35	-	-	97.04	33.02	12.87	29.58	100	116	P	H
	*	5580	103.44	-	-	87.13	33.02	12.87	29.58	100	116	A	H
		5756.495	54.55	-13.65	68.2	37.56	33.64	12.97	29.62	100	116	P	H
		5444.8	54.55	-19.45	74	38.48	32.81	12.81	29.55	332	90	P	V
		5462.56	53.26	-14.94	68.2	37.17	32.83	12.82	29.56	332	90	P	V
		5399.92	43.94	-10.06	54	27.79	32.9	12.79	29.54	332	90	A	V
	*	5580	109.2	-	-	92.89	33.02	12.87	29.58	332	90	P	V
	*	5580	99.26	-	-	82.95	33.02	12.87	29.58	332	90	A	V
		5743.895	54.92	-13.28	68.2	37.99	33.58	12.96	29.61	332	90	P	V



802.11ax HE20 Full CH 140 5700MHz	*	5700	112.64	-	-	95.92	33.4	12.93	29.61	100	115	P	H
	*	5700	102.23	-	-	85.51	33.4	12.93	29.61	100	115	A	H
		5725.64	59.46	-8.74	68.2	42.62	33.5	12.95	29.61	100	115	P	H
													H
													H
													H
	*	5700	108.04	-	-	91.32	33.4	12.93	29.61	354	82	P	V
	*	5700	98.77	-	-	82.05	33.4	12.93	29.61	354	82	A	V
		5725.32	55.38	-12.82	68.2	38.54	33.5	12.95	29.61	354	82	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		11000	50.11	-23.89	74	58.3	38.9	19.01	66.1	106	103	P	H
		11000	40.68	-13.32	54	48.87	38.9	19.01	66.1	106	103	A	H
		14491	51.1	-22.9	74	53.87	40.89	21.75	65.41	-	-	P	H
		14491	40.88	-13.12	54	43.65	40.89	21.75	65.41	-	-	A	H
		16500	49.65	-18.55	68.2	53.89	38.1	23.98	66.32	-	-	P	H
		17967	55.4	-18.6	74	52.69	42.4	25.46	65.15	-	-	P	H
		17967	44.23	-9.77	54	41.52	42.4	25.46	65.15	-	-	A	H
													H
													H
													H
													H
													H
		11000	47.86	-26.14	74	56.05	38.9	19.01	66.1	-	-	P	V
		14491	51.83	-22.17	74	54.6	40.89	21.75	65.41	-	-	P	V
		14491	40.71	-13.29	54	43.48	40.89	21.75	65.41	-	-	A	V
		16500	49.41	-18.79	68.2	53.65	38.1	23.98	66.32	-	-	P	V
		17978	55.1	-18.9	74	52.33	42.43	25.47	65.13	-	-	P	V
		17978	44.1	-9.9	54	41.33	42.43	25.47	65.13	-	-	A	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 116 5580MHz		11160	47.36	-26.64	74	55.35	39.06	19.09	66.14	-	-	P	H
		14491	50.72	-23.28	74	53.49	40.89	21.75	65.41	-	-	P	H
		14491	40.78	-13.22	54	43.55	40.89	21.75	65.41	-	-	A	H
		16740	49.97	-18.23	68.2	53.82	38.06	24.46	66.37	-	-	P	H
		17978	55.09	-18.91	74	52.32	42.43	25.47	65.13	-	-	P	H
		17978	44.2	-9.8	54	41.43	42.43	25.47	65.13	-	-	A	H
													H
													H
													H
													H
													H
													H
		11160	47.48	-26.52	74	55.47	39.06	19.09	66.14	-	-	P	V
		14491	51.52	-22.48	74	54.29	40.89	21.75	65.41	-	-	P	V
		14491	40.82	-13.18	54	43.59	40.89	21.75	65.41	-	-	A	V
		16740	49.66	-18.54	68.2	53.51	38.06	24.46	66.37	-	-	P	V
		17978	54.76	-19.24	74	51.99	42.43	25.47	65.13	-	-	P	V
		17978	44.29	-9.71	54	41.52	42.43	25.47	65.13	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 17+18		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11ax HE20 Full CH 140 5700MHz		11400	47.27	-26.73	74	55.08	39.2	19.19	66.2	-	-	P	H
		14491	51.17	-22.83	74	53.94	40.89	21.75	65.41	-	-	P	H
		14491	40.72	-13.28	54	43.49	40.89	21.75	65.41	-	-	A	H
		17100	48.95	-19.25	68.2	52.23	38	25.03	66.31	-	-	P	H
		17890	54.44	-19.56	74	52.19	42.1	25.42	65.27	-	-	P	H
		17890	43.83	-10.17	54	41.58	42.1	25.42	65.27	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
		11400	47.2	-26.8	74	55.01	39.2	19.19	66.2	-	-	P	V
		14491	51.09	-22.91	74	53.86	40.89	21.75	65.41	-	-	P	V
		14491	40.86	-13.14	54	43.63	40.89	21.75	65.41	-	-	A	V
		17100	48.4	-19.8	68.2	51.68	38	25.03	66.31	-	-	P	V
		17901	55.64	-18.36	74	53.26	42.2	25.43	65.25	-	-	P	V
		17901	43.93	-10.07	54	41.55	42.2	25.43	65.25	-	-	A	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.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



Band 3 5470~5725MHz

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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 100 5260MHz		5443.12	55.25	-18.75	74	39.18	32.81	12.81	29.55	100	116	P	H
		5462	55.31	-12.89	68.2	39.23	32.82	12.82	29.56	100	116	P	H
		5457.36	44.04	-9.96	54	27.97	32.81	12.82	29.56	100	116	A	H
	*	5500	120.33	-	-	104.16	32.9	12.84	29.57	100	116	P	H
	*	5500	111.19	-	-	95.02	32.9	12.84	29.57	100	116	A	H
													H
		5399.76	54.89	-19.11	74	38.74	32.9	12.79	29.54	321	77	P	V
		5464.24	54.94	-13.26	68.2	38.85	32.83	12.82	29.56	321	77	P	V
		5457.68	42.79	-11.21	54	26.71	32.82	12.82	29.56	321	77	A	V
	*	5500	117.22	-	-	101.05	32.9	12.84	29.57	321	77	P	V
	*	5500	107.69	-	-	91.52	32.9	12.84	29.57	321	77	A	V
													V
802.11ax HE20 Partial 26/8 CH 140 5700MHz	*	5700	117.93	-	-	101.21	33.4	12.93	29.61	100	116	P	H
	*	5700	108.29	-	-	91.57	33.4	12.93	29.61	100	116	A	H
		5736.84	56.19	-12.01	68.2	39.29	33.55	12.96	29.61	100	116	P	H
													H
													H
													H
	*	5700	115.64	-	-	98.92	33.4	12.93	29.61	319	87	P	V
	*	5700	105.98	-	-	89.26	33.4	12.93	29.61	319	87	A	V
		5736.52	56.48	-11.72	68.2	39.58	33.55	12.96	29.61	319	87	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 102 5510MHz		5458.96	60.2	-13.8	74	44.12	32.82	12.82	29.56	100	116	P	H
		5469.52	62.74	-5.46	68.2	46.64	32.84	12.82	29.56	100	116	P	H
		5458.72	50.24	-3.76	54	34.16	32.82	12.82	29.56	100	116	A	H
	*	5510	111.31	-	-	95.14	32.9	12.84	29.57	100	116	P	H
	*	5510	102.1	-	-	85.93	32.9	12.84	29.57	100	116	A	H
		5765	56.13	-12.07	68.2	39.09	33.69	12.97	29.62	100	116	P	H
		5459.2	55.76	-18.24	74	39.68	32.82	12.82	29.56	340	84	P	V
		5466.88	57.6	-10.6	68.2	41.51	32.83	12.82	29.56	340	84	P	V
		5458.96	46.69	-7.31	54	30.61	32.82	12.82	29.56	340	84	A	V
	*	5510	107.38	-	-	91.21	32.9	12.84	29.57	340	84	P	V
	*	5510	98.2	-	-	82.03	32.9	12.84	29.57	340	84	A	V
		5740.745	54.99	-13.21	68.2	38.08	33.56	12.96	29.61	340	84	P	V
802.11ax HE40 Full CH 110 5550MHz		5395.36	55.24	-18.76	74	39.12	32.89	12.77	29.54	100	116	P	H
		5466.88	55.05	-13.15	68.2	38.96	32.83	12.82	29.56	100	116	P	H
		5374.48	45.49	-8.51	54	29.47	32.85	12.7	29.53	100	116	A	H
	*	5550	111.46	-	-	95.28	32.9	12.86	29.58	100	116	P	H
	*	5550	101.83	-	-	85.65	32.9	12.86	29.58	100	116	A	H
		5733.185	54.62	-13.58	68.2	37.75	33.53	12.95	29.61	100	116	P	H
		5454.88	54.54	-19.46	74	38.48	32.81	12.81	29.56	352	78	P	V
		5468.8	53.18	-15.02	68.2	37.08	32.84	12.82	29.56	352	78	P	V
		5456.32	45	-9	54	28.93	32.81	12.82	29.56	352	78	A	V
	*	5550	107.32	-	-	91.14	32.9	12.86	29.58	352	78	P	V
	*	5550	98.09	-	-	81.91	32.9	12.86	29.58	352	78	A	V
		5729.405	54.47	-13.73	68.2	37.61	33.52	12.95	29.61	352	78	P	V



802.11ax HE40 Full CH 134 5670MHz		5404.95	54.2	-19.8	74	38.06	32.89	12.79	29.54	100	115	P	H
		5469.35	53.27	-14.93	68.2	37.17	32.84	12.82	29.56	100	115	P	H
		5457.45	44.91	-9.09	54	28.84	32.81	12.82	29.56	100	115	A	H
	*	5670	109.93	-	-	93.45	33.16	12.92	29.6	100	115	P	H
	*	5670	100.01	-	-	83.53	33.16	12.92	29.6	100	115	A	H
		5726.675	57.51	-10.69	68.2	40.66	33.51	12.95	29.61	100	115	P	H
		5416.5	53.64	-20.36	74	37.51	32.87	12.8	29.54	305	74	P	V
		5460.6	52.35	-15.85	68.2	36.27	32.82	12.82	29.56	305	74	P	V
		5432.25	44.52	-9.48	54	28.43	32.84	12.8	29.55	305	74	A	V
	*	5670	105.66	-	-	89.18	33.16	12.92	29.6	305	74	P	V
	*	5670	96	-	-	79.52	33.16	12.92	29.6	305	74	A	V
		5741.725	55.45	-12.75	68.2	38.53	33.57	12.96	29.61	305	74	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 102 5510MHz		11020	47.06	-26.94	74	55.22	38.92	19.02	66.1	-	-	P	H
		14491	50.87	-23.13	74	53.64	40.89	21.75	65.41	-	-	P	H
		14491	40.6	-13.4	54	43.37	40.89	21.75	65.41	-	-	A	H
		16530	47.97	-20.23	68.2	52.16	38.1	24.04	66.33	-	-	P	H
		17978	55.85	-18.15	74	53.08	42.43	25.47	65.13	-	-	P	H
		17978	44.22	-9.78	54	41.45	42.43	25.47	65.13	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
		11020	47.89	-26.11	74	56.05	38.92	19.02	66.1	-	-	P	V
		14491	50.75	-23.25	74	53.52	40.89	21.75	65.41	-	-	P	V
		14491	40.82	-13.18	54	43.59	40.89	21.75	65.41	-	-	A	V
		16530	49.38	-18.82	68.2	53.57	38.1	24.04	66.33	-	-	P	V
		17967	54.93	-19.07	74	52.22	42.4	25.46	65.15	-	-	P	V
		17967	44.09	-9.91	54	41.38	42.4	25.46	65.15	-	-	A	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 110 5550MHz		11100	47.96	-26.04	74	56.02	39	19.06	66.12	-	-	P	H
		14491	50.9	-23.1	74	53.67	40.89	21.75	65.41	-	-	P	H
		14491	40.67	-13.33	54	43.44	40.89	21.75	65.41	-	-	A	H
		16650	49.64	-18.56	68.2	53.61	38.1	24.28	66.35	-	-	P	H
		17967	54.92	-19.08	74	52.21	42.4	25.46	65.15	-	-	P	H
		17967	44.17	-9.83	54	41.46	42.4	25.46	65.15	-	-	A	H
													H
													H
													H
													H
													H
													H
		11100	47.92	-26.08	74	55.98	39	19.06	66.12	-	-	P	V
		14491	51.82	-22.18	74	54.59	40.89	21.75	65.41	-	-	P	V
		14491	40.94	-13.06	54	43.71	40.89	21.75	65.41	-	-	A	V
		16650	49.69	-18.51	68.2	53.66	38.1	24.28	66.35	-	-	P	V
		17956	54.94	-19.06	74	52.28	42.37	25.46	65.17	-	-	P	V
		17956	44.05	-9.95	54	41.39	42.37	25.46	65.17	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 17+18		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11ax HE40 Full CH 134 5670MHz		11340	47.71	-26.29	74	55.53	39.2	19.16	66.18	-	-	P	H
		14491	50.73	-23.27	74	53.5	40.89	21.75	65.41	-	-	P	H
		14491	40.74	-13.26	54	43.51	40.89	21.75	65.41	-	-	A	H
		17010	50.37	-17.83	68.2	53.79	38	24.99	66.41	-	-	P	H
		17978	55.19	-18.81	74	52.42	42.43	25.47	65.13	-	-	P	H
		17978	44.16	-9.84	54	41.39	42.43	25.47	65.13	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
		11340	47.63	-26.37	74	55.45	39.2	19.16	66.18	-	-	P	V
		14491	50.74	-23.26	74	53.51	40.89	21.75	65.41	-	-	P	V
		14491	40.86	-13.14	54	43.63	40.89	21.75	65.41	-	-	A	V
		17010	48.77	-19.43	68.2	52.19	38	24.99	66.41	-	-	P	V
		18000	55.65	-18.35	74	52.77	42.5	25.48	65.1	-	-	P	V
		18000	44.35	-9.65	54	41.47	42.5	25.48	65.1	-	-	A	V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



Band 3 5470~5725MHz

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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		5438.56	57.62	-16.38	74	41.54	32.82	12.81	29.55	100	117	P	H
		5469.28	58.65	-9.55	68.2	42.55	32.84	12.82	29.56	100	117	P	H
		5458.24	50.76	-3.24	54	34.68	32.82	12.82	29.56	100	117	A	H
	*	5530	102.78	-	-	86.61	32.9	12.85	29.58	100	117	P	H
	*	5530	93.76	-	-	77.59	32.9	12.85	29.58	100	117	A	H
		5730.665	54.64	-13.56	68.2	37.78	33.52	12.95	29.61	100	117	P	H
		5458.48	54.61	-19.39	74	38.53	32.82	12.82	29.56	353	86	P	V
		5464.72	55.33	-12.87	68.2	39.24	32.83	12.82	29.56	353	86	P	V
		5458.48	47.37	-6.63	54	31.29	32.82	12.82	29.56	353	86	A	V
	*	5530	98.03	-	-	81.86	32.9	12.85	29.58	353	86	P	V
	*	5530	89.37	-	-	73.2	32.9	12.85	29.58	353	86	A	V
		5747.99	54.45	-13.75	68.2	37.51	33.59	12.96	29.61	353	86	P	V
802.11ax HE80 Full CH 122 5610MHz		5449.36	54	-20	74	37.94	32.8	12.81	29.55	100	116	P	H
		5467.84	55.04	-13.16	68.2	38.94	32.84	12.82	29.56	100	116	P	H
		5459.2	47.84	-6.16	54	31.76	32.82	12.82	29.56	100	116	A	H
	*	5610	105.57	-	-	89.19	33.08	12.89	29.59	100	116	P	H
	*	5610	97.75	-	-	81.37	33.08	12.89	29.59	100	116	A	H
		5764.685	55.88	-12.32	68.2	38.84	33.69	12.97	29.62	100	116	P	H
		5379.04	54.03	-19.97	74	37.98	32.86	12.72	29.53	343	82	P	V
		5466.64	53.53	-14.67	68.2	37.44	32.83	12.82	29.56	343	82	P	V
		5456.56	46.64	-7.36	54	30.57	32.81	12.82	29.56	343	82	A	V
	*	5610	102.44	-	-	86.06	33.08	12.89	29.59	343	82	P	V
	*	5610	94.48	-	-	78.1	33.08	12.89	29.59	343	82	A	V
		5757.44	54.98	-13.22	68.2	37.99	33.64	12.97	29.62	343	82	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		11060	47.31	-26.69	74	55.42	38.96	19.04	66.11	-	-	P	H
		14491	50.72	-23.28	74	53.49	40.89	21.75	65.41	-	-	P	H
		14491	40.81	-13.19	54	43.58	40.89	21.75	65.41	-	-	A	H
		16590	50.18	-18.02	68.2	54.26	38.1	24.16	66.34	-	-	P	H
		17967	55.29	-18.71	74	52.58	42.4	25.46	65.15	-	-	P	H
		17967	44.2	-9.8	54	41.49	42.4	25.46	65.15	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
		11060	47.97	-26.03	74	56.08	38.96	19.04	66.11	-	-	P	V
		14491	50.92	-23.08	74	53.69	40.89	21.75	65.41	-	-	P	V
		14491	40.75	-13.25	54	43.52	40.89	21.75	65.41	-	-	A	V
		16590	50.05	-18.15	68.2	54.13	38.1	24.16	66.34	-	-	P	V
		17978	55.12	-18.88	74	52.35	42.43	25.47	65.13	-	-	P	V
		17978	44.12	-9.88	54	41.35	42.43	25.47	65.13	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 122 5610MHz		11220	47.73	-26.27	74	55.65	39.12	19.11	66.15	-	-	P	H
		14491	51.36	-22.64	74	54.13	40.89	21.75	65.41	-	-	P	H
		14491	40.69	-13.31	54	43.46	40.89	21.75	65.41	-	-	A	H
		16830	49.56	-18.64	68.2	53.36	37.94	24.65	66.39	-	-	P	H
		17978	55.71	-18.29	74	52.94	42.43	25.47	65.13	-	-	P	H
		17978	44.14	-9.86	54	41.37	42.43	25.47	65.13	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	



Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
17+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5442.04	54.35	-19.65	74	38.27	32.82	12.81	29.55	101	116	P	H
		5468.56	52.92	-15.28	68.2	36.82	32.84	12.82	29.56	101	116	P	H
		5381.98	43.99	-10.01	54	27.93	32.86	12.73	29.53	101	116	A	H
	*	5720	111.61	-	-	94.79	33.48	12.95	29.61	101	116	P	H
	*	5720	104	-	-	87.18	33.48	12.95	29.61	101	116	A	H
		5924	57.16	-11.04	68.2	39.92	34.3	12.59	29.65	101	116	P	H
		5410.45	54.8	-19.2	74	38.67	32.88	12.79	29.54	390	90	P	V
		5469.73	53.73	-14.47	68.2	37.63	32.84	12.82	29.56	390	90	P	V
		5459.2	43.75	-10.25	54	27.67	32.82	12.82	29.56	390	90	A	V
	*	5720	107.19	-	-	90.37	33.48	12.95	29.61	390	90	P	V
	*	5720	100	-	-	83.18	33.48	12.95	29.61	390	90	A	V
		5877.75	55.96	-12.24	68.2	38.65	34.21	12.74	29.64	390	90	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	50.08	-23.92	74	57.88	39.2	19.21	66.21	100	184	P	H
		11440	38.16	-15.84	54	45.96	39.2	19.21	66.21	100	184	A	H
		14491	51.84	-22.16	74	54.61	40.89	21.75	65.41	-	-	P	H
		14491	40.44	-13.56	54	43.21	40.89	21.75	65.41	-	-	A	H
		17160	49.22	-18.98	68.2	52.16	38.24	25.06	66.24	-	-	P	H
		17978	55.37	-18.63	74	52.6	42.43	25.47	65.13	-	-	P	H
		17978	44.15	-9.85	54	41.38	42.43	25.47	65.13	-	-	A	H
													H
													H
													H
													H
													H
		11440	48.84	-25.16	74	56.64	39.2	19.21	66.21	400	155	P	V
		11440	38.53	-15.47	54	46.33	39.2	19.21	66.21	400	155	A	V
		14491	52.04	-21.96	74	54.81	40.89	21.75	65.41	-	-	P	V
		14491	40.76	-13.24	54	43.53	40.89	21.75	65.41	-	-	A	V
		17160	49.28	-18.92	68.2	52.2	38.26	25.06	66.24	-	-	P	V
		17978	55.58	-18.42	74	52.81	42.43	25.47	65.13	-	-	P	V
		17978	44.26	-9.74	54	41.49	42.43	25.47	65.13	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 144 5720MHz		5372.23	54.28	-19.72	74	38.27	32.84	12.7	29.53	100	118	P	H
		5467	53.88	-14.32	68.2	37.79	32.83	12.82	29.56	100	118	P	H
		5405.77	43.65	-10.35	54	27.51	32.89	12.79	29.54	100	118	A	H
	*	5720	111.37	-	-	94.55	33.48	12.95	29.61	100	118	P	H
	*	5720	104.45	-	-	87.63	33.48	12.95	29.61	100	118	A	H
		5938.75	55.61	-12.59	68.2	38.42	34.3	12.54	29.65	100	118	P	H
		5439.31	54.63	-19.37	74	38.55	32.82	12.81	29.55	316	81	P	V
		5468.17	53.01	-15.19	68.2	36.91	32.84	12.82	29.56	316	81	P	V
		5401.87	43.67	-10.33	54	27.52	32.9	12.79	29.54	316	81	A	V
	*	5720	106.71	-	-	89.89	33.48	12.95	29.61	316	81	P	V
	*	5720	98.23	-	-	81.41	33.48	12.95	29.61	316	81	A	V
		5884	55.56	-12.64	68.2	38.24	34.24	12.72	29.64	316	81	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)

[illegible]



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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5456.08	54.6	-19.4	74	38.53	32.81	12.82	29.56	100	115	P	H
		5460.76	53.73	-14.47	68.2	37.65	32.82	12.82	29.56	100	115	P	H
		5456.47	44.77	-9.23	54	28.7	32.81	12.82	29.56	100	115	A	H
	*	5710	109.28	-	-	92.51	33.44	12.94	29.61	100	115	P	H
	*	5710	99.65	-	-	82.88	33.44	12.94	29.61	100	115	A	H
		5867.5	55.71	-12.49	68.2	38.41	34.17	12.77	29.64	100	115	P	H
		5365.21	53.99	-20.01	74	38.02	32.83	12.67	29.53	313	77	P	V
		5468.56	52.87	-15.33	68.2	36.77	32.84	12.82	29.56	313	77	P	V
		5393.29	44.53	-9.47	54	28.41	32.89	12.77	29.54	313	77	A	V
	*	5710	105.33	-	-	88.56	33.44	12.94	29.61	313	77	P	V
	*	5710	96.28	-	-	79.51	33.44	12.94	29.61	313	77	A	V
		5925.5	55.92	-12.28	68.2	38.69	34.3	12.58	29.65	313	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)

[illegible]



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

WIFI Ant. 17+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		5404.6	55.14	-18.86	74	39	32.89	12.79	29.54	101	116	P	H
		5468.95	53.65	-14.55	68.2	37.55	32.84	12.82	29.56	101	116	P	H
		5412.79	46.98	-7.02	54	30.85	32.87	12.8	29.54	101	116	A	H
	*	5690	106.24	-	-	89.59	33.32	12.93	29.6	101	116	P	H
	*	5690	97.06	-	-	80.41	33.32	12.93	29.6	101	116	A	H
		5871.5	55.4	-12.8	68.2	38.09	34.19	12.76	29.64	101	116	P	H
		5370.67	54.19	-19.81	74	38.19	32.84	12.69	29.53	317	80	P	V
		5470	55.79	-12.41	68.2	39.69	32.84	12.82	29.56	317	80	P	V
		5359.36	46.66	-7.34	54	30.71	32.82	12.65	29.52	317	80	A	V
	*	5690	101.31	-	-	84.66	33.32	12.93	29.6	317	80	P	V
	*	5690	93.2	-	-	76.55	33.32	12.93	29.6	317	80	A	V
		5870	56.21	-11.99	68.2	38.91	34.18	12.76	29.64	317	80	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)	Margin Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		11380	47.56	-26.44	74	55.37	39.2	19.18	66.19	-	-	P	H
		14491	51.08	-22.92	74	53.85	40.89	21.75	65.41	-	-	P	H
		14491	40.72	-13.28	54	43.49	40.89	21.75	65.41	-	-	A	H
		17070	49.36	-18.84	68.2	52.68	38	25.02	66.34	-	-	P	H
		17967	55.58	-18.42	74	52.87	42.4	25.46	65.15	-	-	P	H
		17967	44.06	-9.94	54	41.35	42.4	25.46	65.15	-	-	A	H
													H
													H
													H
													H
													H
													H
		11380	47.56	-26.44	74	55.37	39.2	19.18	66.19	-	-	P	V
		14491	51.55	-22.45	74	54.32	40.89	21.75	65.41	-	-	P	V
		14491	40.87	-13.13	54	43.64	40.89	21.75	65.41	-	-	A	V
		17070	48.89	-19.31	68.2	52.21	38	25.02	66.34	-	-	P	V
		17967	55.44	-18.56	74	52.73	42.4	25.46	65.15	-	-	P	V
		17967	44.08	-9.92	54	41.37	42.4	25.46	65.15	-	-	A	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. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Emission above 18GHz

WIFI 802.11ax HE80 Full (SHF @ 1m)

[illegible]

Emission below 1GHz

WIFI 802.11ax HE80 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
17+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full LF		86.26	23.35	-16.65	40	39.95	14.06	1.65	32.31	-	-	P	H
		152.22	35.43	-8.07	43.5	48.27	17.22	2.2	32.26	-	-	P	H
		188.11	23.61	-19.89	43.5	38.58	14.82	2.45	32.24	-	-	P	H
		466.5	26.47	-19.53	46	31.57	23.52	3.78	32.4	-	-	P	H
		749.74	29.61	-16.39	46	29.14	28.07	4.74	32.34	-	-	P	H
		951.5	34.31	-11.69	46	29.5	30.6	5.4	31.19	-	-	P	H
													H
													H
													H
													H
													H
													H
		54.25	27.39	-12.61	40	45.58	12.78	1.31	32.28	-	-	P	V
		95.96	35.99	-7.51	43.5	51.16	15.41	1.73	32.31	-	-	P	V
		154.16	30.63	-12.87	43.5	43.63	17.05	2.21	32.26	-	-	P	V
		433.52	23.92	-22.08	46	29.63	23.07	3.64	32.42	-	-	P	V
		565.44	27.81	-18.19	46	30.08	26.03	4.16	32.46	-	-	P	V
		954.41	33.81	-12.19	46	28.89	30.67	5.41	31.16	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



Note symbol

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

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				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		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 36		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
5180MHz													

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

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Margin Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Margin Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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



Appendix D. Radiated Spurious Emission Plots

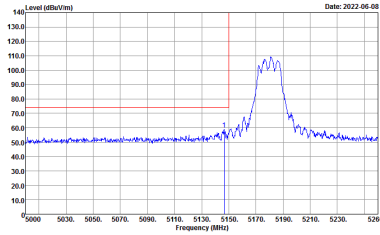
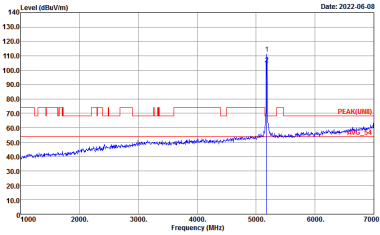
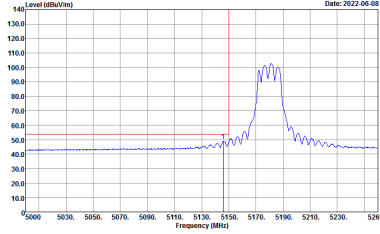
Test Engineer :	Karl Hou and Steven Wu	Temperature :	20~25°C
		Relative Humidity :	50~65%

Note symbol

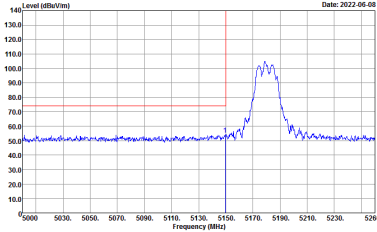
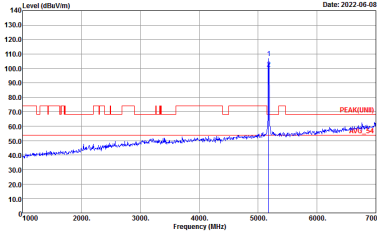
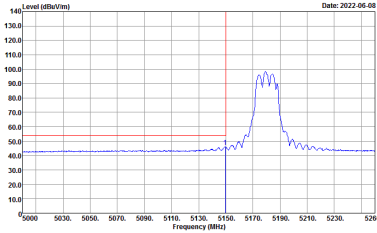
-L	Low channel location
-R	High channel location

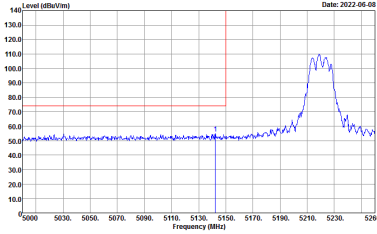
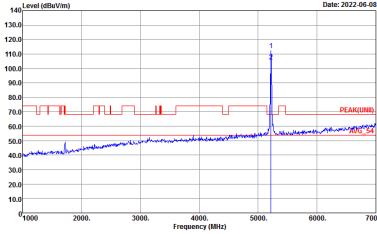
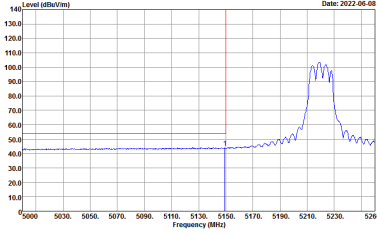


Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

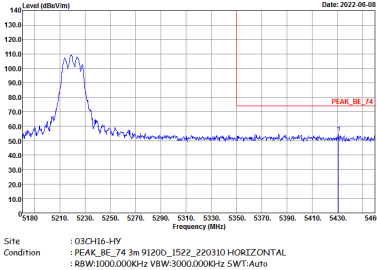
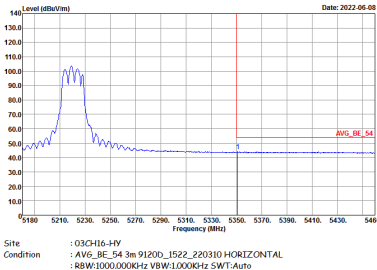
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



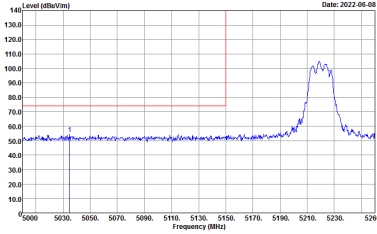
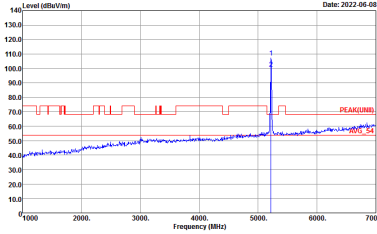
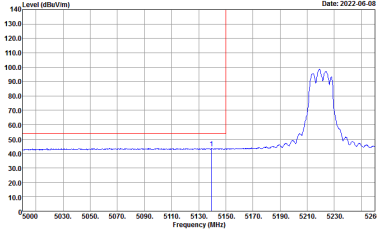
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

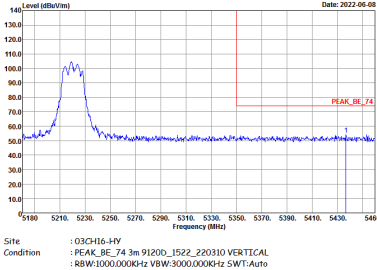
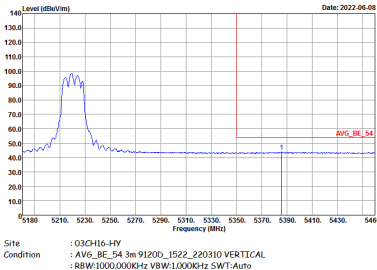


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

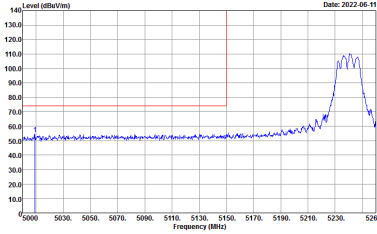
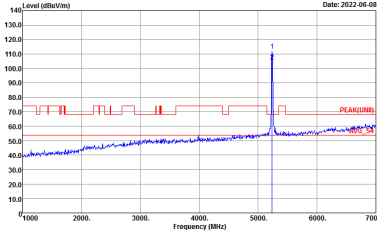
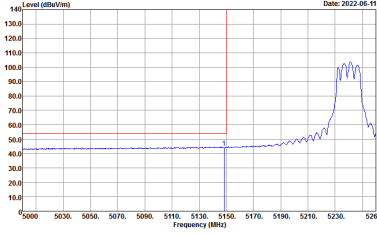


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

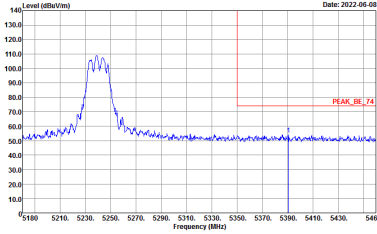
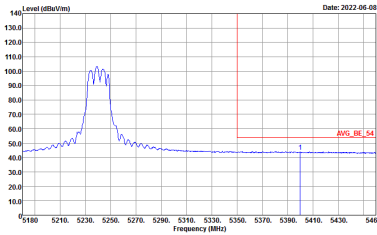


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
17+18	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

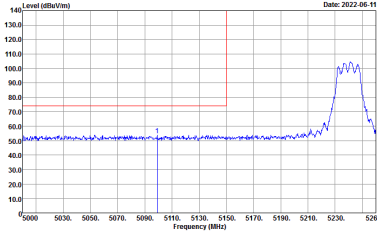
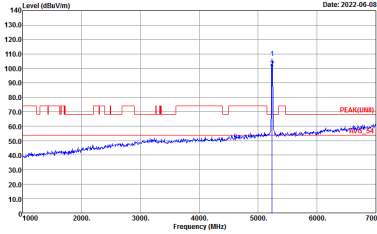
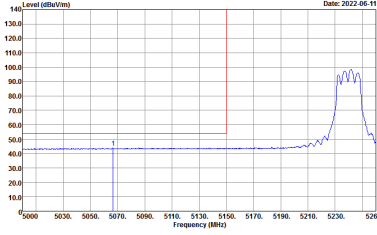


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

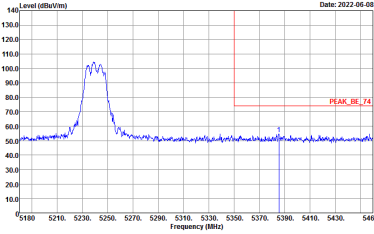
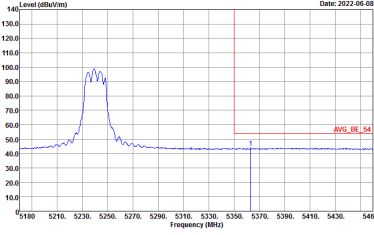


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank



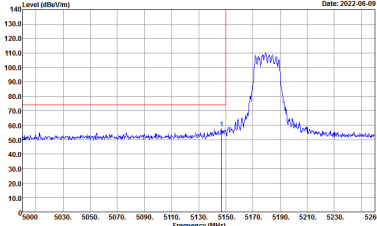
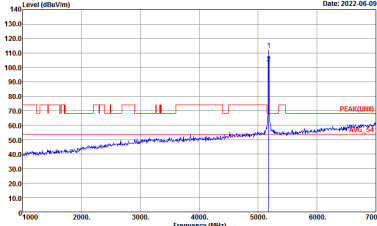
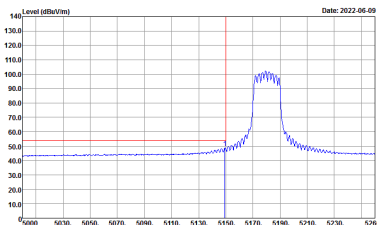
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank



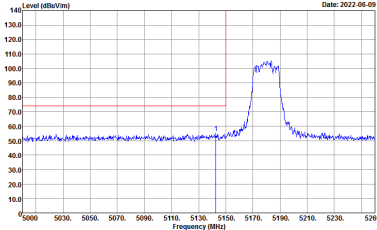
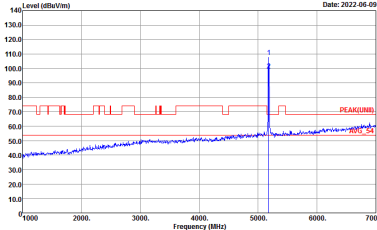
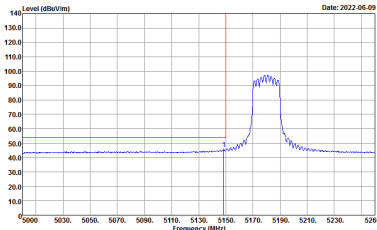
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank



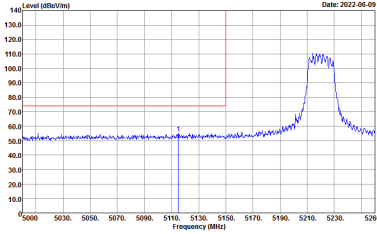
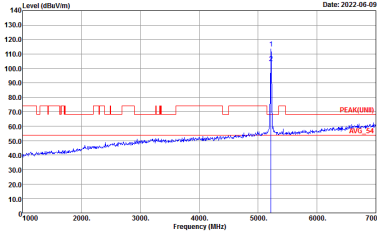
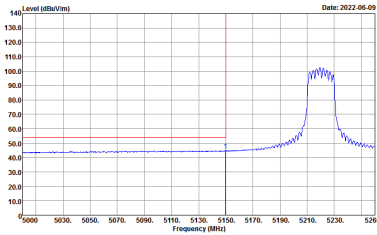
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

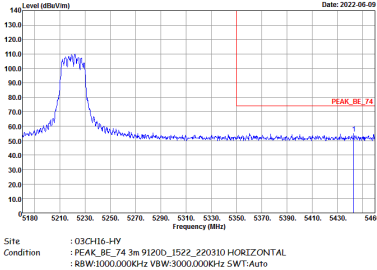
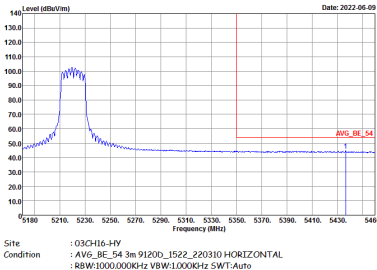


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:1.000KHz 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 : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

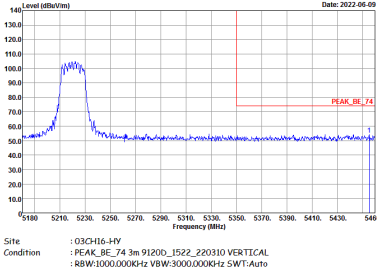
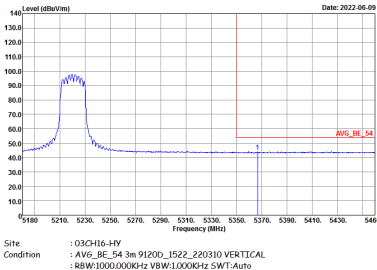


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

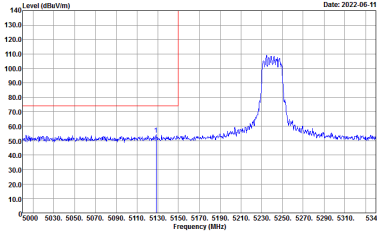
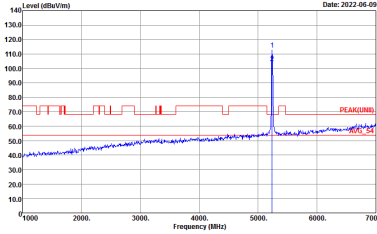
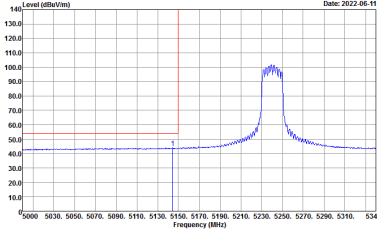


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
17+18	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

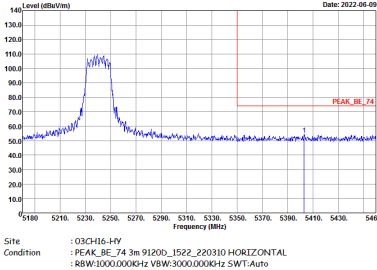
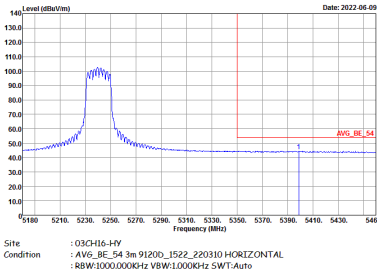


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
17+18	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

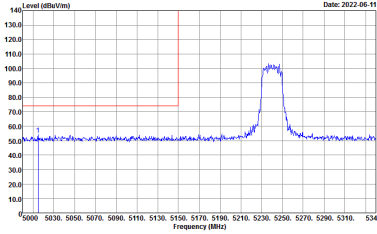
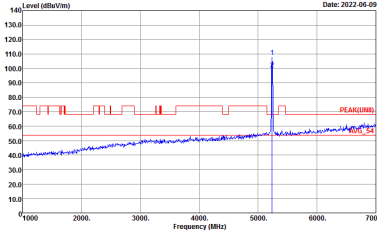
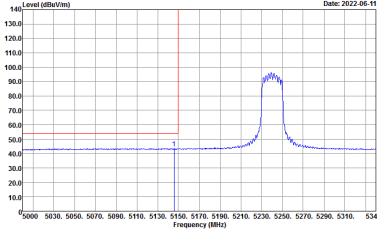


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

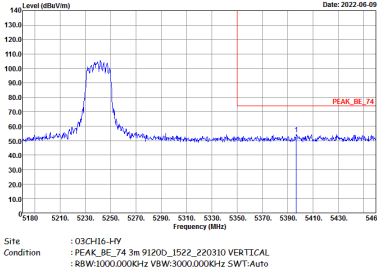
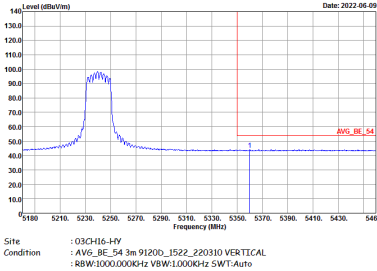


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank



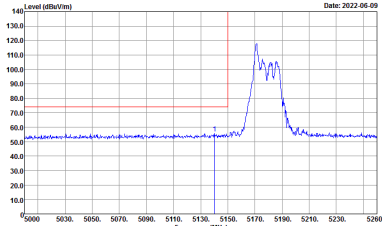
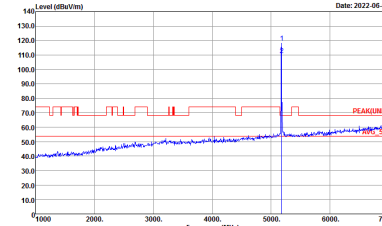
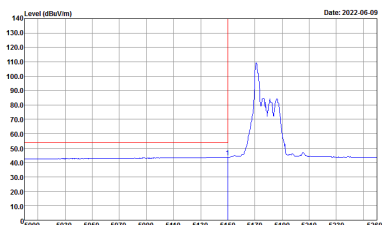
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank



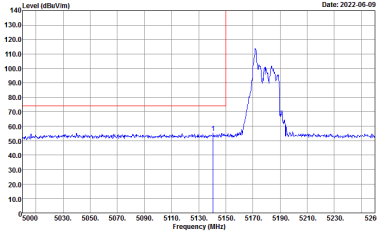
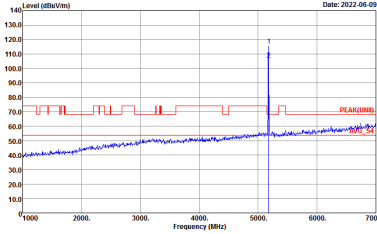
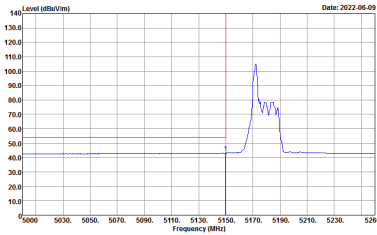
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522_220310 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank



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

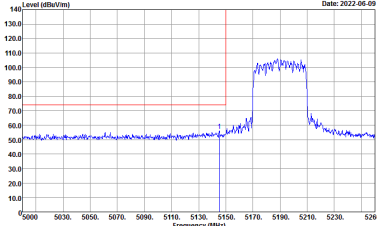
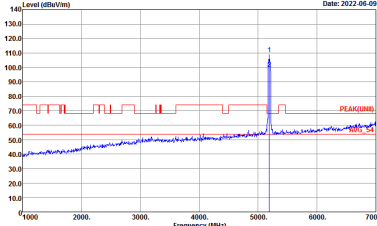
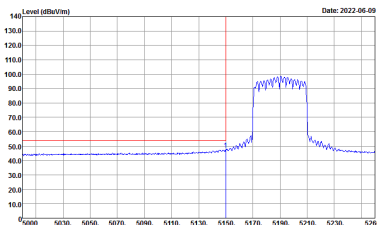
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH36 5180MHz	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



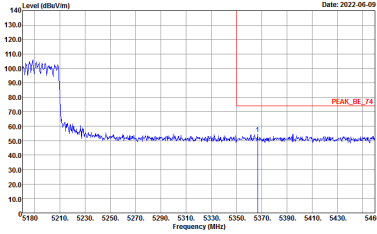
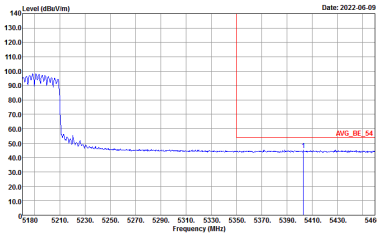
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH36 5180MHz	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



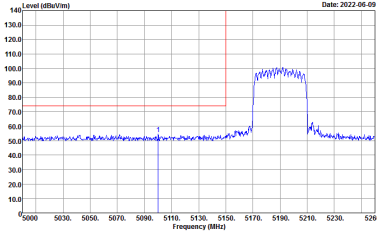
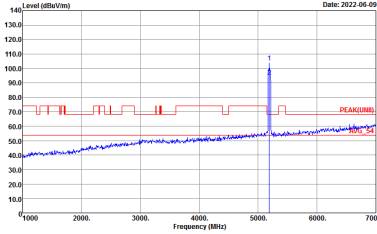
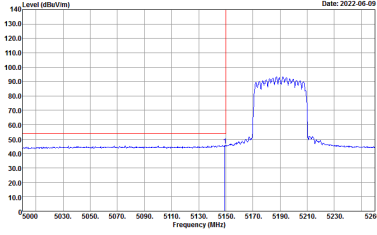
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CHI6-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI6-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI6-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

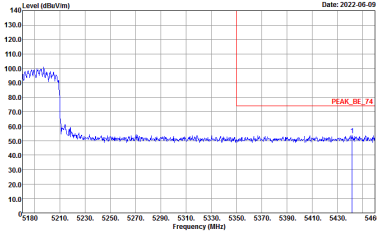
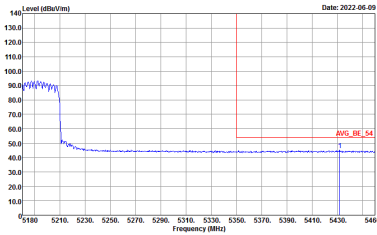


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

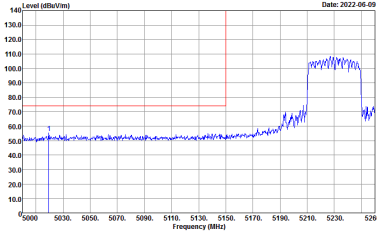
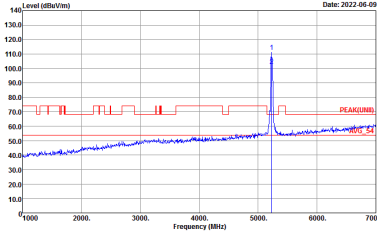
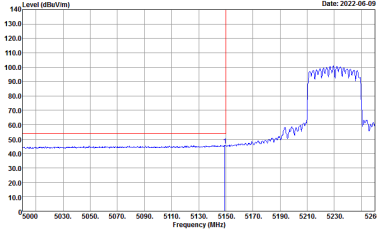


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz 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 : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

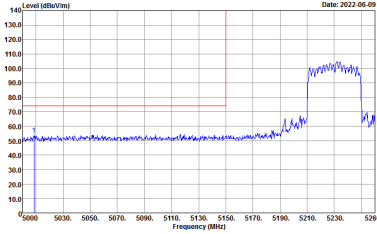
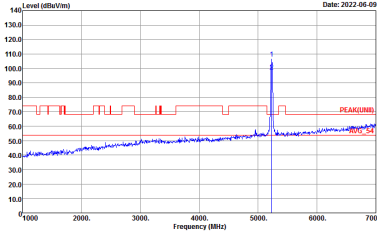
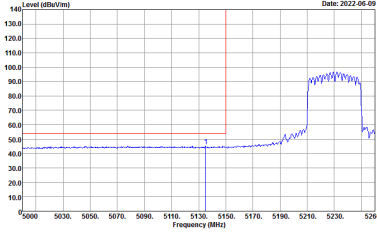


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

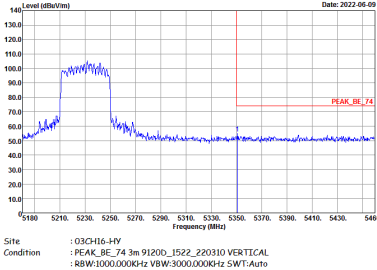
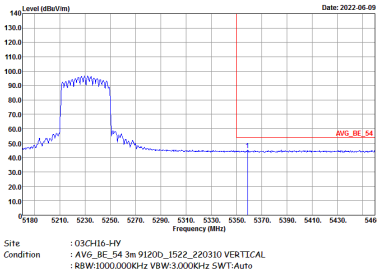


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
17+18	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz 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 : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



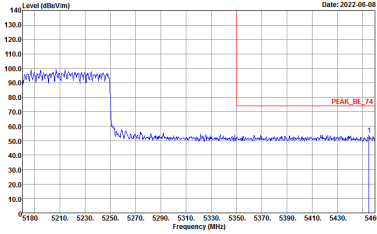
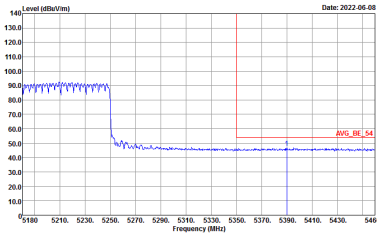
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



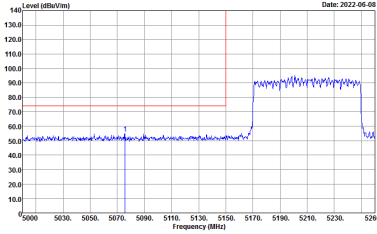
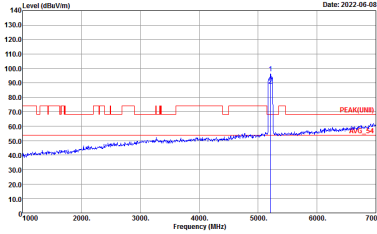
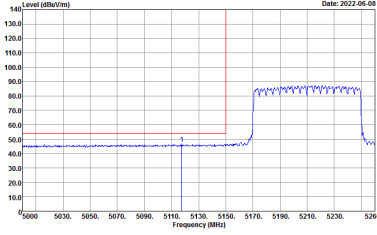
Band 1 5150~5250MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
17+18	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

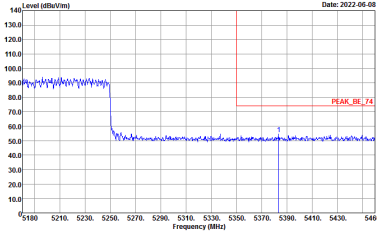
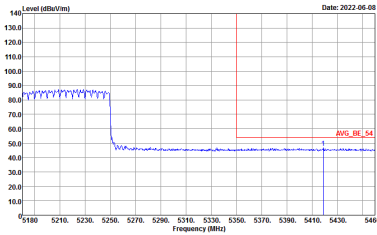


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto	Left blank



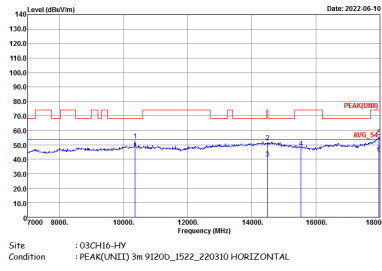
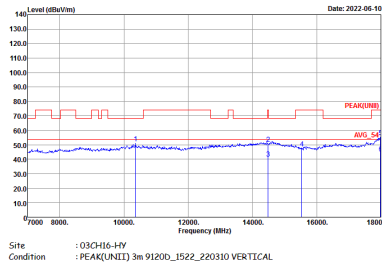
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz 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 : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto	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 : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL



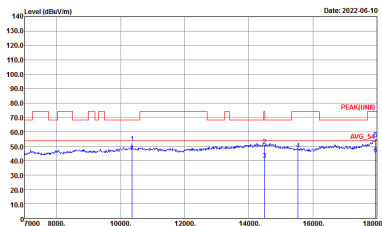
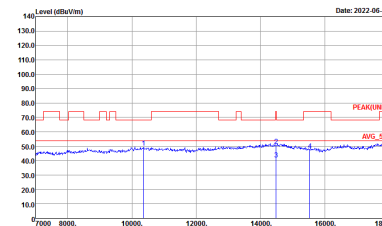
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
17+18	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-06-10 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 HORIZONTAL	Level (dBuV/m) Date: 2022-06-10 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
17+18	Horizontal	Vertical
Peak Avg.	Level (dBu/m) Date: 2022-06-10 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 HORIZONTAL	Level (dBu/m) Date: 2022-06-10 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 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 : 03CH16-4Y Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL	 Site : 03CH16-4Y Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL



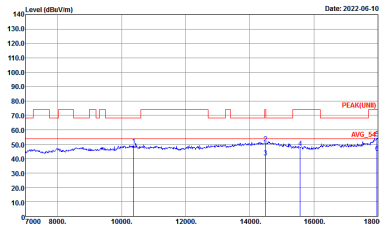
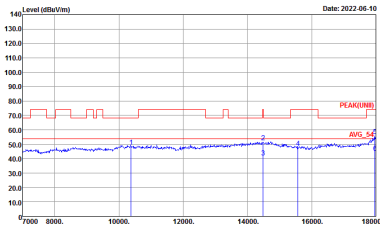
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
17+18	Horizontal	Vertical
Peak Avg.	Level (dBu/m) Date: 2022-06-10 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 HORIZONTAL	Level (dBu/m) Date: 2022-06-10 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
17+18	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-06-10 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 HORIZONTAL	Level (dBuV/m) Date: 2022-06-10 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 VERTICAL



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

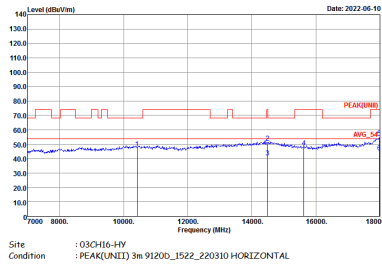
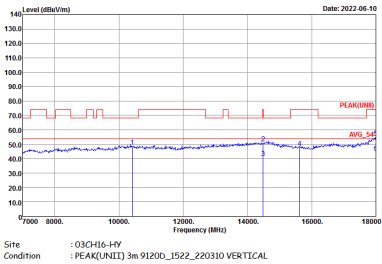
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
17+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-4Y Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL	 Site : 03CH16-4Y Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
17+18	Horizontal	Vertical
Peak Avg.	Level (dBu/m) Date: 2022-06-10 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 HORIZONTAL	Level (dBu/m) Date: 2022-06-10 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 VERTICAL

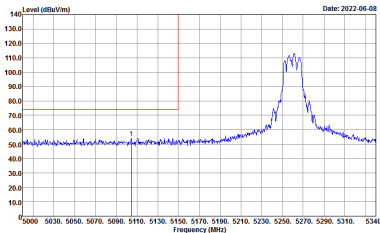
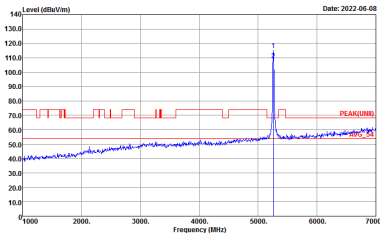
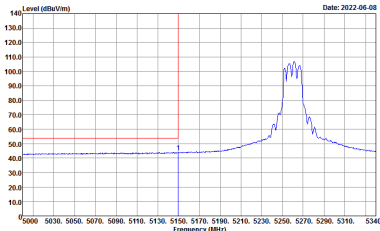


Band 1 5150~5250MHz
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

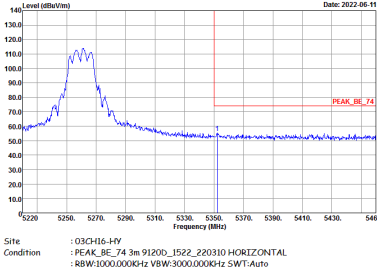
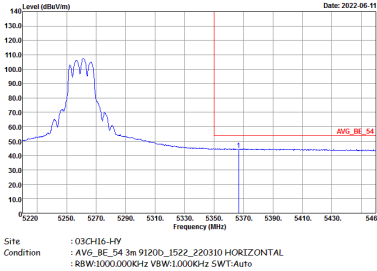
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
17+18	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-4Y Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL	 Site : 03CH16-4Y Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL



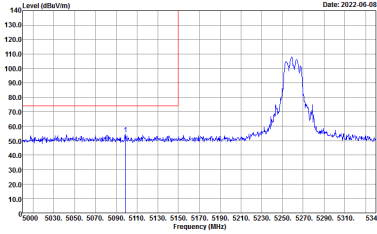
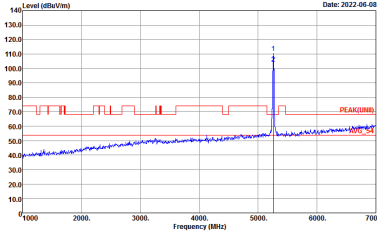
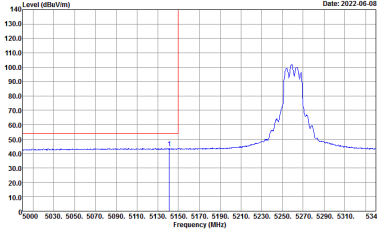
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
17+18	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
17+18	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
17+18	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank