FCC RADIO TEST REPORT

FCC ID	:	**2AEM4-401217**
Equipment	:	**eero PoE 6**
Brand Name	:	**eero**
Model Name	:	**T010001**
Applicant	:	**eero LLC** **660 3rd Street,4th Floor,San Francisco,CA 94107-(415)738-7972**
Manufacturer	:	**LUXSHARE-ICT(VIETNAM) LIMITED** **Lot E, Quang Chau industry park, Quang Chau village,Viet Yen district,Bac Giang province,Viet Nam**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on May 17, 2022 and testing was performed from May 25, 2022 to Jun. 30, 2022. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR251805C	01	Initial issue of report	Jul. 21, 2022
FR251805C	02	Revise Product Feature and Appendix D	Jul. 27, 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	0.31 dB under the limit at 5358.960 MHz
3.5	15.207	AC Conducted Emission	Pass	2.02 dB under the limit at 0.393 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: Abi Lin

Report Producer: Rachel Hsieh

1 General Description

1.1 Product Feature of Equipment Under Test

Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax and Zigbee.

Product Feature	
Antenna Type	WLAN: **<Ant. 1>:** Stamping PIFA **<Ant. 2>:** Stamping PIFA Bluetooth-LE: FPC Dipole Zigbee: FPC Dipole

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 1: 5.50 Ant. 2: 4.93
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 1: 5.25 Ant. 2: 4.87
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 1: 4.78 Ant. 2: 4.86

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

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

FCC designation No.: TW1190

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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

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 four orthogonal axis (X: flat, X: ceiling-mount, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find X: flat 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)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

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

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

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160.
4. The device not support 802.11ax partial RU.

2.2 Test Mode

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

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

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

MIMO Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1: WLAN (5GHz) Link + LAN1 Link + LAN2 Link + RJ45 Cable (Charging from POE Adapter)

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

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

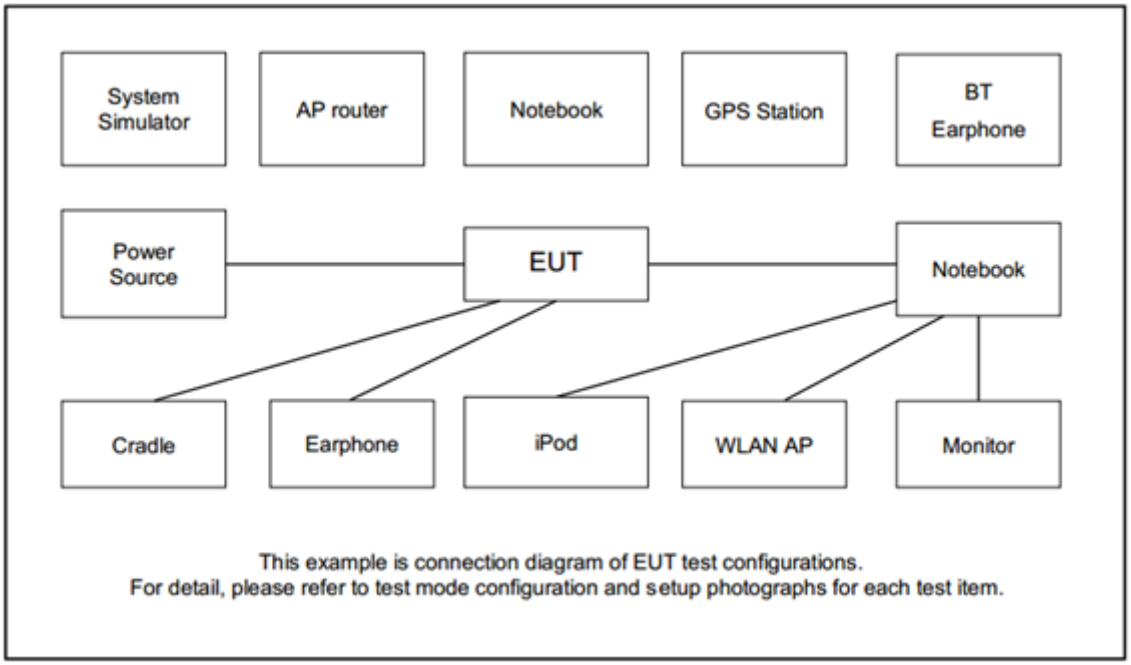
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	POE Adapter	MITS	POE-BTI-7556NT8	N/A	N/A	N/A
2.	Smart Things Button	N/A	IM6001-BTP01	N/A	N/A	N/A
3.	RJ45 cable	N/A	N/A	N/A	N/A	N/A
4.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Notebook	Dell	E3340	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “QSPR V5.0-00188” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

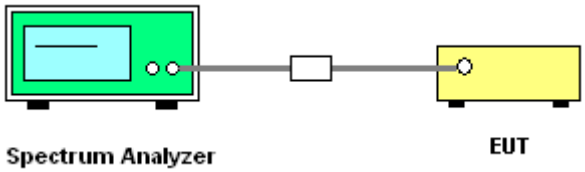
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup

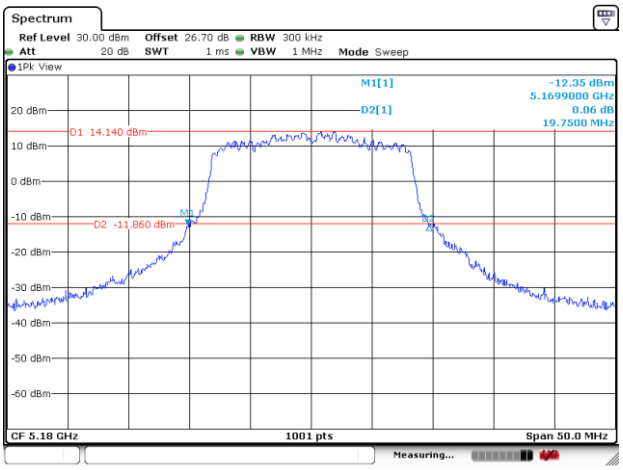
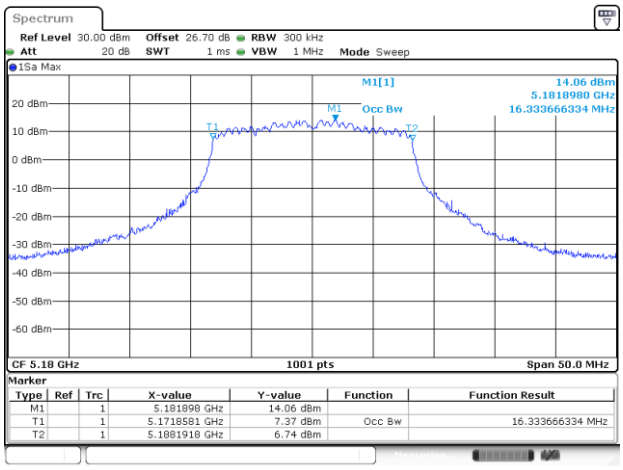


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

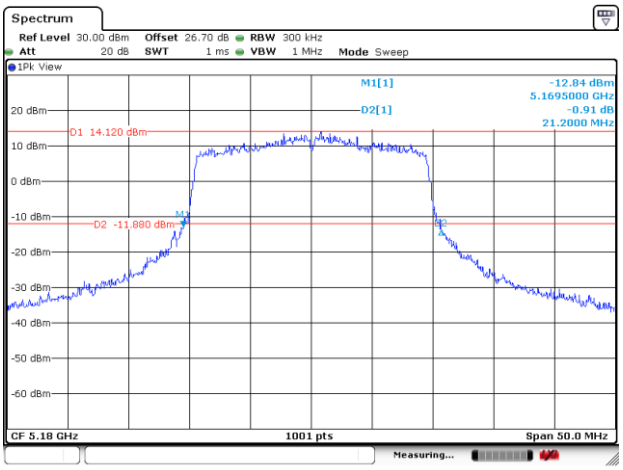
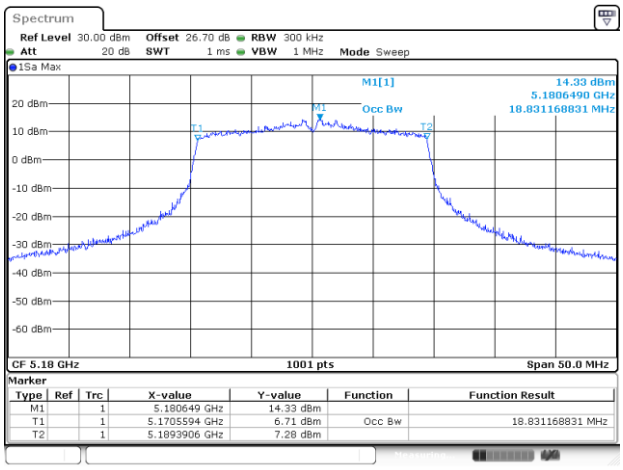
MIMO <Ant. 1+2>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

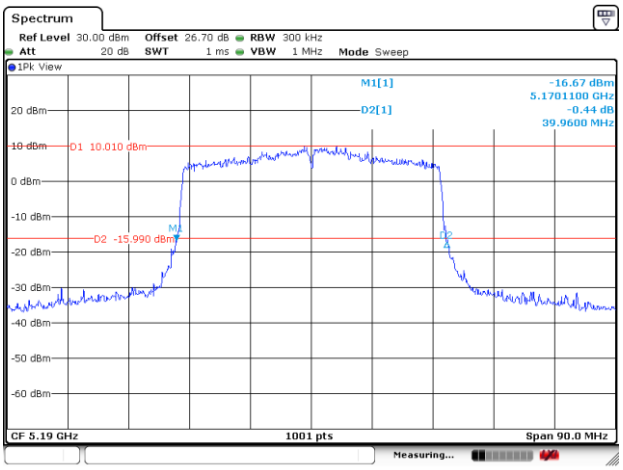
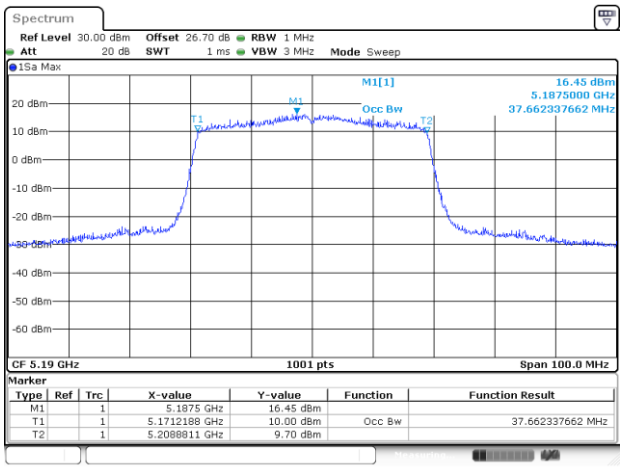
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

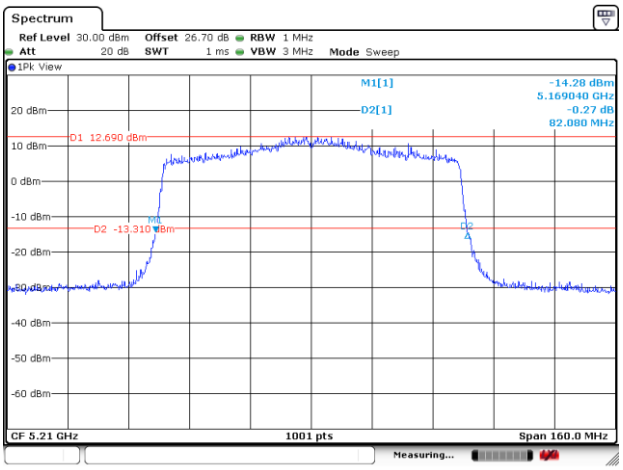
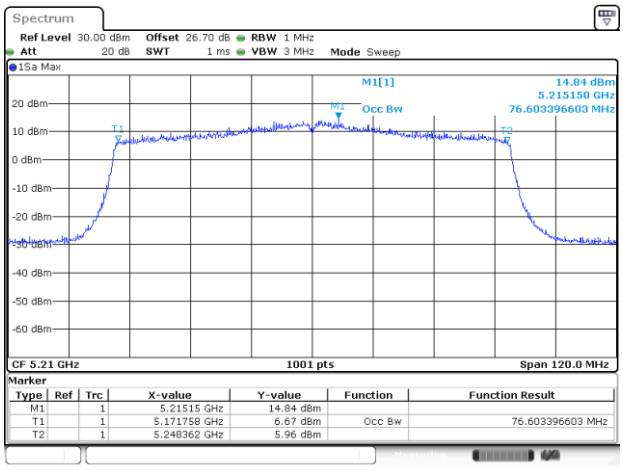
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

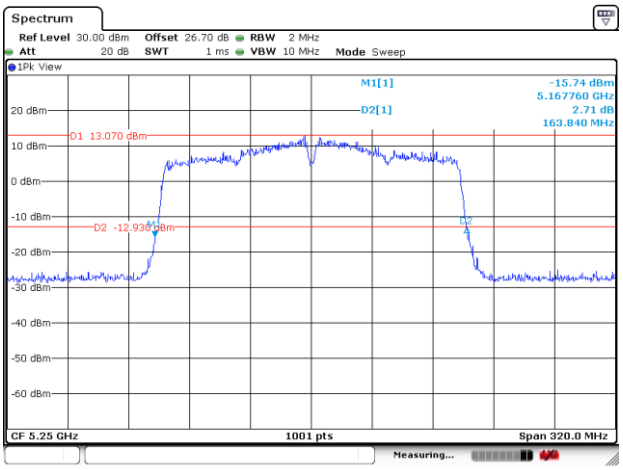
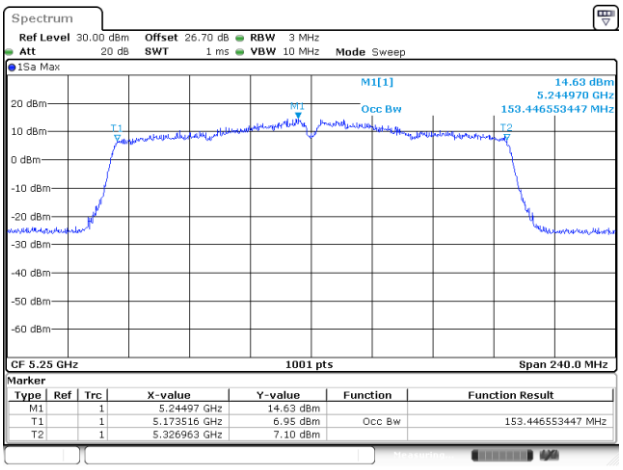
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11ax HE160>

26dB Bandwidth	99% Occupied Bandwidth
	

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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

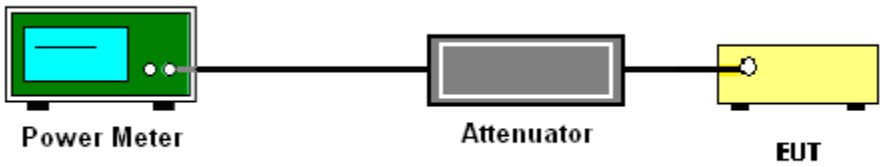
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

 # Method SA-2 #

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

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

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

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

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

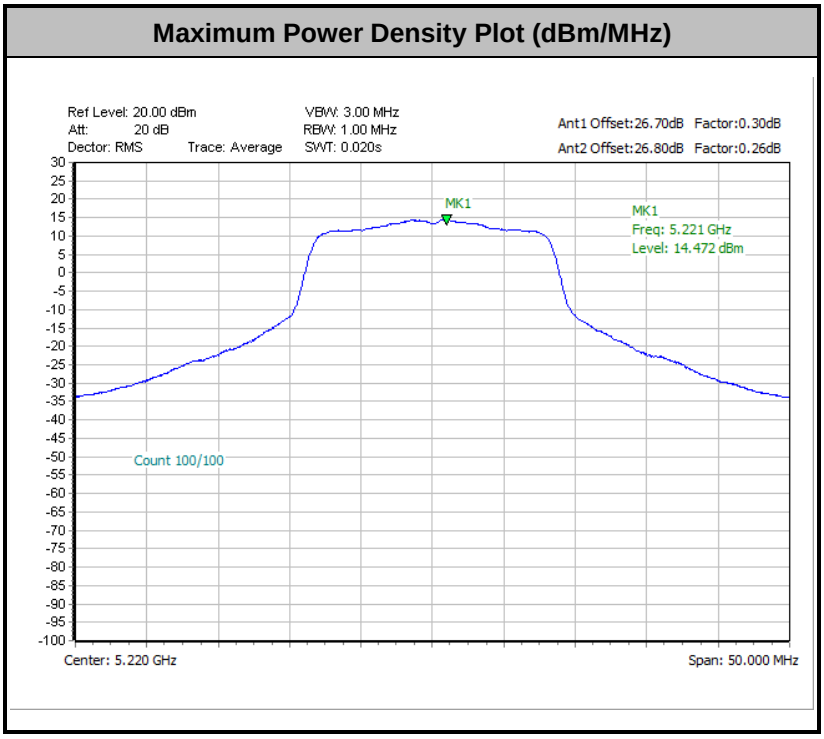
3.3.4 Test Setup

3.3.5 Test Result of Power Spectral Density

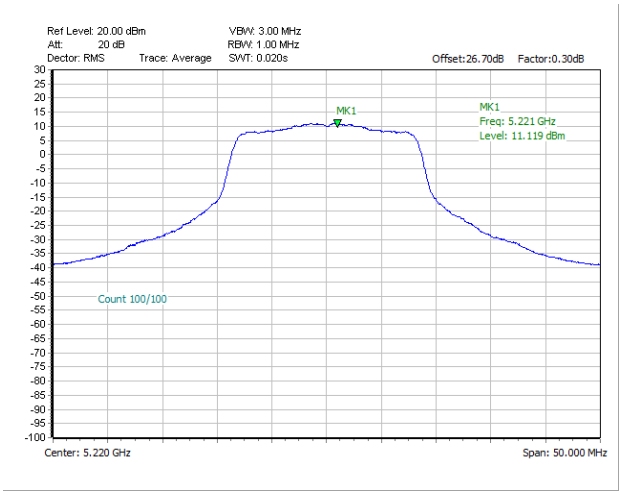
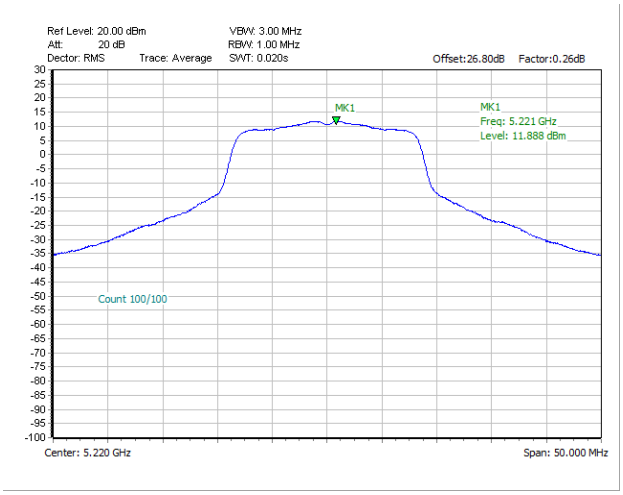
Please refer to Appendix A.

<802.11a>

Maximum Power Density Plot (dBm/MHz)

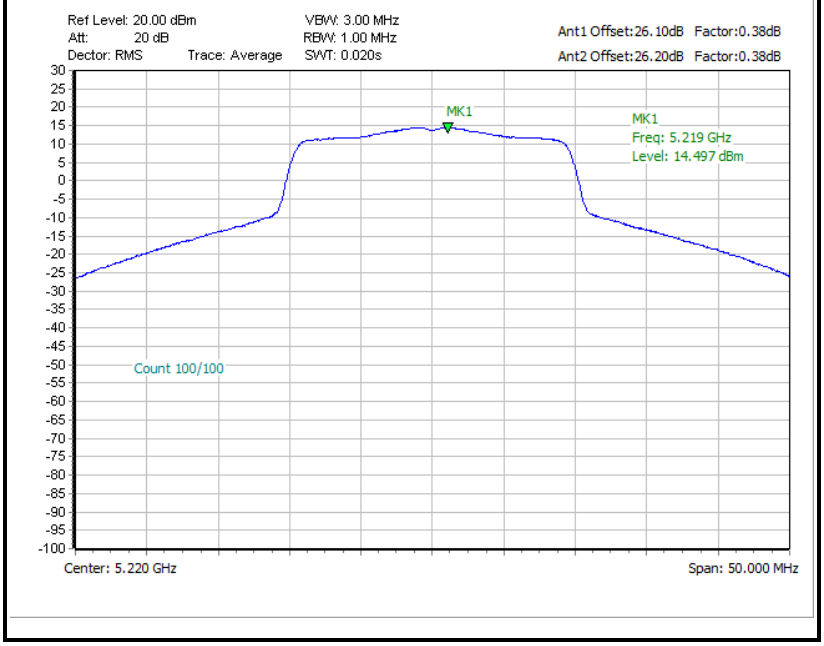


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

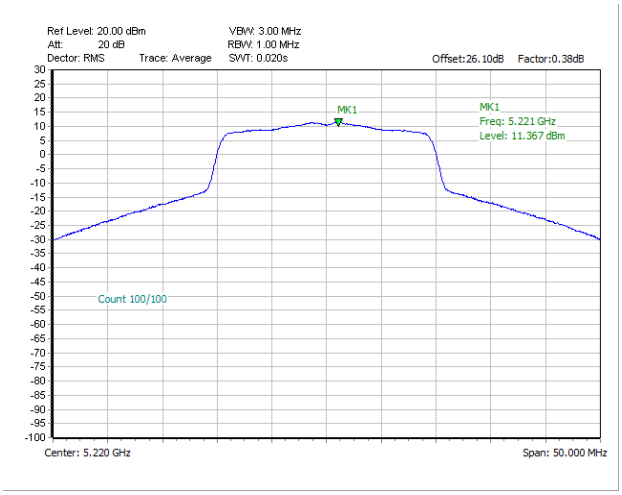
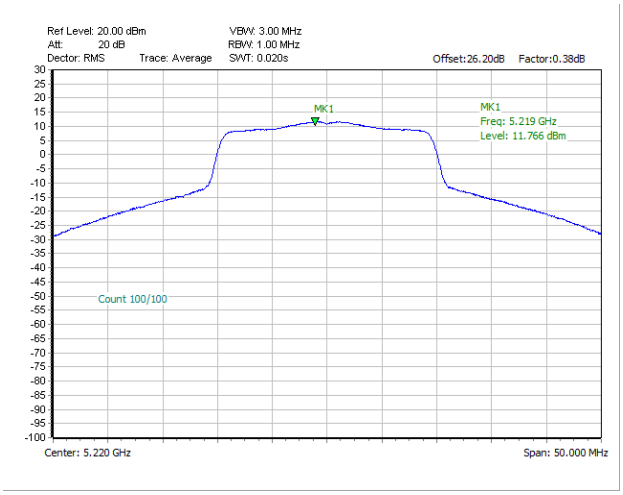
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)



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

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

3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions falls in restricted bands shall comply with the general field strength limits as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

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

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.
(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

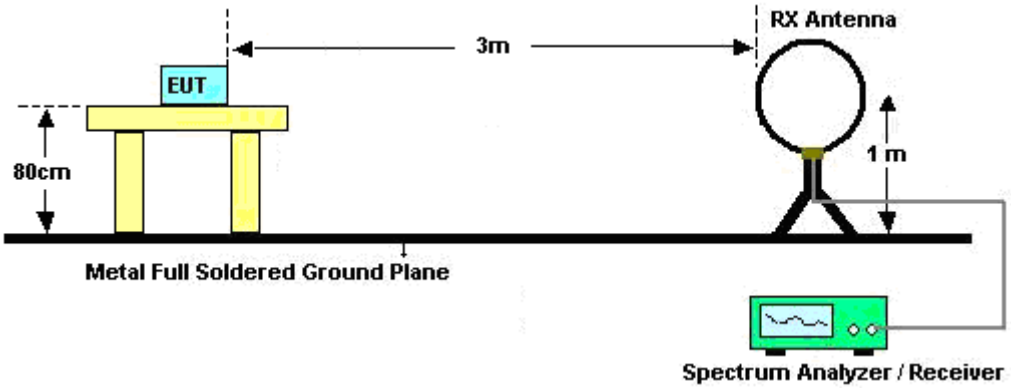
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

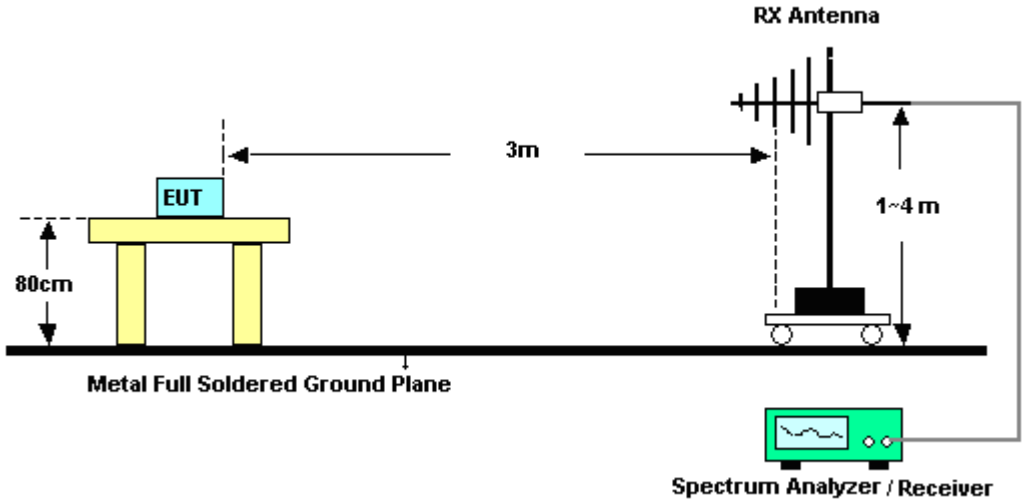
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

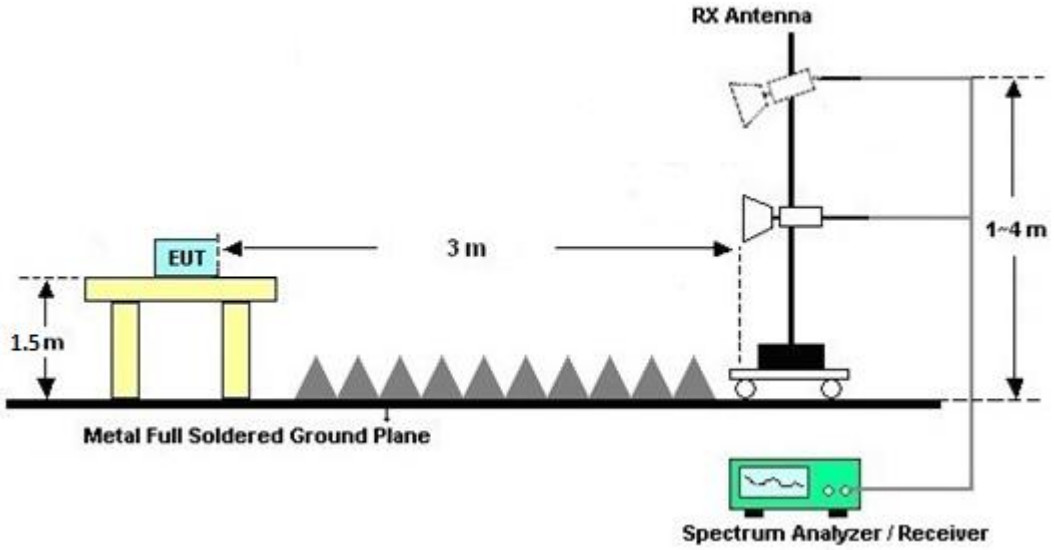
For radiated emissions below 30MHz



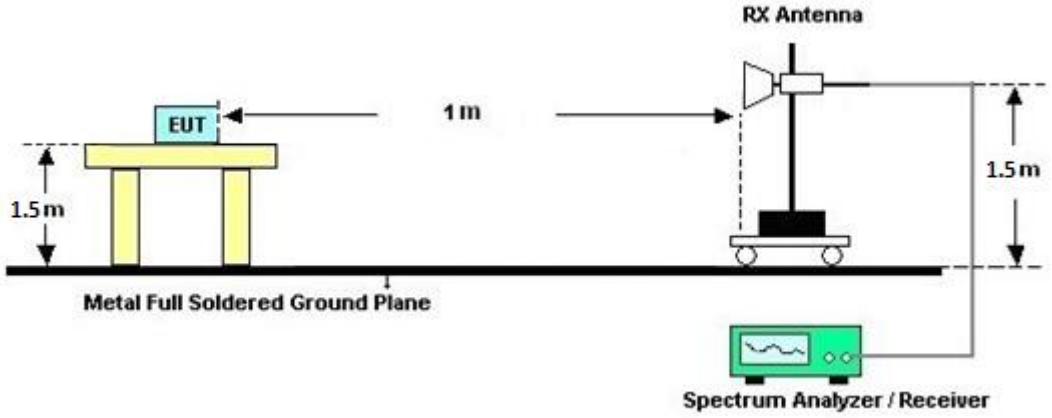
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

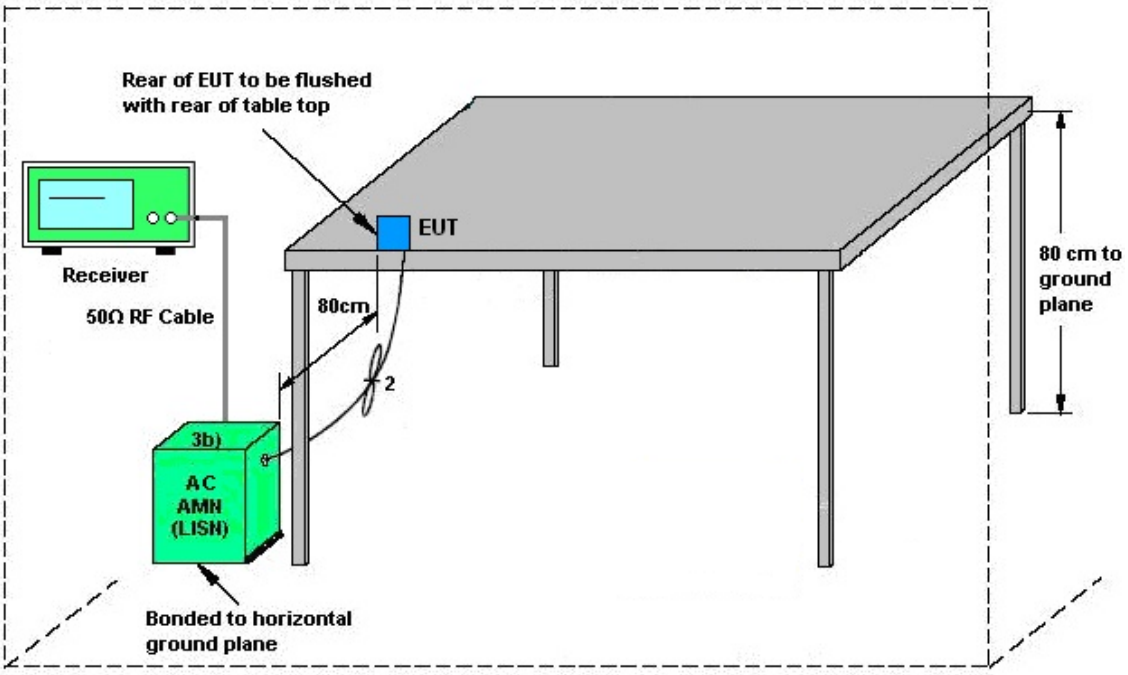
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For power measurements on IEEE 802.11 devices,

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

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

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

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

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

where

Each antenna is driven by no more than one spatial stream;
N_{SS} = the number of independent spatial streams of data;
N_{ANT} = the total number of antennas
$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;
G_k is the gain in dBi of the kth antenna.

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

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

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

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

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

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

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

<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 1	Ant. 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	5.50	4.93	5.50	8.23	0.00	2.23
Band II	5.25	4.87	5.25	8.07	0.00	2.07
Band III	4.78	4.86	4.86	7.83	0.00	1.83

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

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

Calculation example:
The DG for PSD is derived from formula is
10 x log { { [10^ (5.50 dBi / 20) + 10^ (4.93 dBi / 20)] ^ 2 } / 2 }
= 8.23 dBi

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35419 & 03	30MHz~1GHz	Apr. 24, 2022	May 25, 2022~ Jun. 24, 2022	Apr. 23, 2023	Radiation (03CH07-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Feb. 09, 2022	May 25, 2022~ Jun. 24, 2022	Feb. 08, 2023	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 03, 2021	May 25, 2022~ Jun. 24, 2022	Dec. 02, 2022	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 07, 2022	May 25, 2022~ Jun. 24, 2022	Jan. 06, 2023	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 21, 2022	May 25, 2022~ Jun. 24, 2022	Apr. 20, 2023	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 04, 2021	May 25, 2022~ Jun. 24, 2022	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 04, 2021	May 25, 2022~ Jun. 24, 2022	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 23, 2021	May 25, 2022~ Jun. 24, 2022	Jul. 22, 2022	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jul. 22, 2021	May 25, 2022~ Jun. 24, 2022	Jul. 21, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz to 18GHz	Feb. 23, 2022	May 25, 2022~ Jun. 24, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz to 18GHz	Feb. 23, 2022	May 25, 2022~ Jun. 24, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz to 18GHz	Feb. 23, 2022	May 25, 2022~ Jun. 24, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 17, 2021	May 25, 2022~ Jun. 24, 2022	Sep. 16, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 23, 2022	May 25, 2022~ Jun. 24, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 14, 2022	May 25, 2022~ Jun. 24, 2022	Apr. 13, 2023	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	May 25, 2022~ Jun. 24, 2022	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	May 25, 2022~ Jun. 24, 2022	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	May 25, 2022~ Jun. 24, 2022	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	May 25, 2022~ Jun. 24, 2022	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	May 25, 2022~ Jun. 24, 2022	N/A	Radiation (03CH07-HY)
Hygrometer	TECPEL	TR-32	HE17XB2495	N/A	Mar. 07, 2022	May 25, 2022~ Jun. 24, 2022	Mar. 06, 2023	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	May 25, 2022~ Jun. 24, 2022	Nov. 29, 2022	Radiation (03CH07-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 30, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Jun. 30, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Jun. 30, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Jun. 30, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Jun. 30, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Jun. 30, 2022	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Jun. 30, 2022	Dec. 29, 2022	Conduction (CO05-HY)
Hygrometer	TECPEL	TR-32	HE17XB2468	N/A	Mar. 18, 2022	Jun. 01, 2022~ Jun. 29, 2022	Mar. 17, 2023	Conducted (TH02-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 10	10MHz~6GHz	Dec. 16, 2021	Jun. 01, 2022~ Jun. 29, 2022	Dec. 15, 2022	Conducted (TH02-HY)
Signal Analyzer	Rohde & Schwarz	FSV30	103738	9kHz~30GHz	May 26, 2022	Jun. 01, 2022~ Jun. 29, 2022	May 25, 2023	Conducted (TH02-HY)
Switch Box & RF Cable	Burgeon	ETF058	EC1208381	N/A	Jun. 08, 2021	Jun. 01, 2022~ Jun. 06, 2022	Jun. 07, 2022	Conducted (TH02-HY)
Switch Box & RF Cable	Burgeon	ETF058	EC1208381	N/A	Jun. 06, 2022	Jun. 07, 2022~ Jun. 29, 2022	Jun. 05, 2023	Conducted (TH02-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

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

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Steve Chen	Temperature:	21~25	°C
Test Date:	2022/6/2 ~ 2022/6/29	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.33	16.33	19.75	19.90	-		22.13			
11a	6Mbps	2	44	5220	16.38	16.38	19.90	20.50	-		22.14			
11a	6Mbps	2	48	5240	16.38	16.53	20.35	21.75	-		22.14			

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	20.70	21.20	23.97	30.00		5.50			Pass
11a	6Mbps	2	44	5220	21.00	21.60	24.32	30.00		5.50			Pass
11a	6Mbps	2	48	5240	20.90	21.80	24.38	30.00		5.50			Pass
HT20	MCS0	2	36	5180	20.10	20.10	23.11	30.00		5.50			Pass
HT20	MCS0	2	44	5220	22.60	22.90	25.76	30.00		5.50			Pass
HT20	MCS0	2	48	5240	22.60	22.90	25.76	30.00		5.50			Pass
HT40	MCS0	2	38	5190	19.30	19.50	22.41	30.00		5.50			Pass
HT40	MCS0	2	46	5230	22.40	22.70	25.56	30.00		5.50			Pass
VHT20	MCS0	2	36	5180	20.20	20.20	23.21	30.00		5.50			Pass
VHT20	MCS0	2	44	5220	22.70	22.90	25.81	30.00		5.50			Pass
VHT20	MCS0	2	48	5240	22.60	22.90	25.76	30.00		5.50			Pass
VHT40	MCS0	2	38	5190	19.40	19.50	22.46	30.00		5.50			Pass
VHT40	MCS0	2	46	5230	22.40	22.70	25.56	30.00		5.50			Pass
VHT80	MCS0	2	42	5210	18.90	19.20	22.06	30.00		5.50			Pass
VHT160	MCS0	2	50	5250	18.30	18.60	21.46	30.00		5.50			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.30	0.26			13.78	14.77		8.23			Pass
11a	6Mbps	2	44	5220	0.30	0.26			14.47	14.77		8.23			Pass
11a	6Mbps	2	48	5240	0.30	0.26			14.40	14.77		8.23			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.28	16.33	19.60	19.70	23.12		29.12		23.92		
11a	6Mbps	2	60	5300	16.28	16.28	19.55	19.70	23.12		29.12		23.91		
11a	6Mbps	2	64	5320	16.33	16.28	19.35	20.05	23.12		29.12		23.87		

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	15.50	16.00	18.77	23.92		5.25		30	Pass
11a	6Mbps	2	60	5300	15.50	16.10	18.82	23.91		5.25		30	Pass
11a	6Mbps	2	64	5320	15.60	16.00	18.81	23.87		5.25		30	Pass
HT20	MCS0	2	52	5260	16.00	16.30	19.16	23.98		5.25		30	Pass
HT20	MCS0	2	60	5300	15.90	16.40	19.17	23.98		5.25		30	Pass
HT20	MCS0	2	64	5320	16.70	16.70	19.71	23.98		5.25		30	Pass
HT40	MCS0	2	54	5270	18.10	18.70	21.42	23.98		5.25		30	Pass
HT40	MCS0	2	62	5310	18.70	19.30	22.02	23.98		5.25		30	Pass
VHT20	MCS0	2	52	5260	16.00	16.30	19.16	23.98		5.25		30	Pass
VHT20	MCS0	2	60	5300	16.00	16.40	19.21	23.98		5.25		30	Pass
VHT20	MCS0	2	64	5320	16.60	16.80	19.71	23.98		5.25		30	Pass
VHT40	MCS0	2	54	5270	18.10	18.70	21.42	23.98		5.25		30	Pass
VHT40	MCS0	2	62	5310	18.70	19.20	21.97	23.98		5.25		30	Pass
VHT80	MCS0	2	58	5290	18.30	18.60	21.46	23.98		5.25		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.30	0.26			8.68	8.93		8.07			Pass
11a	6Mbps	2	60	5300	0.30	0.26			8.53	8.93		8.07			Pass
11a	6Mbps	2	64	5320	0.30	0.26			8.63	8.93		8.07			Pass

Report Number : FR251805C

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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.33	16.33	19.60	19.70	23.13		29.13		23.92		----	----
11a	6Mbps	2	116	5580	16.28	16.33	20.55	19.85	23.12		29.12		23.98		----	----
11a	6Mbps	2	140	5700	16.33	16.33	19.70	19.85	23.13		29.13		23.94		----	----

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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	13.19	13.19	15.25	15.30	22.20		28.20		22.83		2.599	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	16.00	16.30	19.16	23.92		4.86		30	Pass
11a	6Mbps	2	116	5580	15.80	16.10	18.96	23.98		4.86		30	Pass
11a	6Mbps	2	140	5700	15.80	16.30	19.07	23.94		4.86		30	Pass
HT20	MCS0	2	100	5500	16.50	16.50	19.51	23.98		4.86		30	Pass
HT20	MCS0	2	116	5580	16.20	16.10	19.16	23.98		4.86		30	Pass
HT20	MCS0	2	140	5700	16.40	16.50	19.46	23.98		4.86		30	Pass
HT40	MCS0	2	102	5510	18.60	18.70	21.66	23.98		4.86		30	Pass
HT40	MCS0	2	110	5550	18.70	18.80	21.76	23.98		4.86		30	Pass
HT40	MCS0	2	134	5670	18.70	18.90	21.81	23.98		4.86		30	Pass
VHT20	MCS0	2	100	5500	16.50	16.50	19.51	23.98		4.86		30	Pass
VHT20	MCS0	2	116	5580	16.20	16.20	19.21	23.98		4.86		30	Pass
VHT20	MCS0	2	140	5700	16.40	16.50	19.46	23.98		4.86		30	Pass
VHT40	MCS0	2	102	5510	18.50	18.70	21.61	23.98		4.86		30	Pass
VHT40	MCS0	2	110	5550	18.70	18.80	21.76	23.98		4.86		30	Pass
VHT40	MCS0	2	134	5670	19.00	19.20	22.11	23.98		4.86		30	Pass
VHT80	MCS0	2	106	5530	19.80	19.90	22.86	23.98		4.86		30	Pass
VHT80	MCS0	2	122	5610	20.40	20.60	23.51	23.98		4.86		30	Pass
VHT160	MCS0	2	114	5570	18.80	19.00	21.91	23.98		4.86		30	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	15.50	16.00	18.77	22.83		4.86		30	Pass
HT20	MCS0	2	144	5720	16.00	16.20	19.11	23.98		4.86		30	Pass
HT40	MCS0	2	142	5710	18.50	19.00	21.77	23.98		4.86		30	Pass
VHT20	MCS0	2	144	5720	16.00	16.20	19.11	23.98		4.86		30	Pass
VHT40	MCS0	2	142	5710	18.40	18.90	21.67	23.98		4.86		30	Pass
VHT80	MCS0	2	138	5690	20.70	21.00	23.86	23.98		4.86		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.30	0.26			8.87	9.17		7.83			Pass
11a	6Mbps	2	116	5580	0.30	0.26			8.81	9.17		7.83			Pass
11a	6Mbps	2	140	5700	0.30	0.26			9.03	9.17		7.83			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	0.30	0.26			8.66	9.17		7.83			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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	18.83	18.88	21.20	21.10	-		22.75			
HE20	MCS0	2	44	5220	Full	19.18	19.48	28.75	33.15	-		22.83			
HE20	MCS0	2	48	5240	Full	19.18	19.43	28.40	32.90	-		22.83			
HE40	MCS0	2	38	5190	Full	37.66	37.66	39.96	39.87	-		23.01			
HE40	MCS0	2	46	5230	Full	38.16	38.46	53.10	58.77	-		23.01			
HE80	MCS0	2	42	5210	Full	76.60	76.72	82.08	81.60	-		23.01			
HE160	MCS0	2	50	5250	Full	153.45	152.97	163.84	163.20	-		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	20.40	20.40	23.41	30.00		5.50			Pass
HE20	MCS0	2	44	5220	Full	22.40	23.20	25.83	30.00		5.50			Pass
HE20	MCS0	2	48	5240	Full	22.60	23.00	25.81	30.00		5.50			Pass
HE40	MCS0	2	38	5190	Full	19.50	19.70	22.61	30.00		5.50			Pass
HE40	MCS0	2	46	5230	Full	22.60	23.00	25.81	30.00		5.50			Pass
HE80	MCS0	2	42	5210	Full	18.80	19.20	22.01	30.00		5.50			Pass
HE160	MCS0	2	50	5250	Full	18.40	18.70	21.56	30.00		5.50			Pass

Note: Measured power (dBm) has offset with cable loss and duty factor.

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	0.38	0.38			12.18	14.77		8.23			Pass
HE20	MCS0	2	44	5220	Full	0.38	0.38			14.50	14.77		8.23			Pass
HE20	MCS0	2	48	5240	Full	0.38	0.38			14.36	14.77		8.23			Pass
HE40	MCS0	2	38	5190	Full	0.38	0.41			8.93	14.77		8.23			Pass
HE40	MCS0	2	46	5230	Full	0.38	0.41			11.98	14.77		8.23			Pass
HE80	MCS0	2	42	5210	Full	0.40	0.38			5.29	14.77		8.23			Pass
HE160	MCS0	2	50	5250	Full	0.47	0.50			2.22	14.77		8.23			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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full	18.78	18.88	21.00	21.10	23.74		29.74		23.98		
HE20	MCS0	2	60	5300	Full	18.78	18.83	20.90	21.00	23.74		29.74		23.98		
HE20	MCS0	2	64	5320	Full	18.83	18.83	21.05	21.05	23.75		29.75		23.98		
HE40	MCS0	2	54	5270	Full	37.66	37.76	40.23	40.05	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.66	37.76	39.96	39.96	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.60	76.60	81.44	81.76	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	16.10	16.40	19.26	23.98		5.25		30	Pass
HE20	MCS0	2	60	5300	Full	16.10	16.50	19.31	23.98		5.25		30	Pass
HE20	MCS0	2	64	5320	Full	16.90	16.90	19.91	23.98		5.25		30	Pass
HE40	MCS0	2	54	5270	Full	18.30	18.90	21.62	23.98		5.25		30	Pass
HE40	MCS0	2	62	5310	Full	19.10	19.60	22.37	23.98		5.25		30	Pass
HE80	MCS0	2	58	5290	Full	18.20	18.70	21.47	23.98		5.25		30	Pass

Note: Measured power (dBm) has offset with cable loss and duty factor.

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	0.38	0.38			8.49	8.93		8.07			Pass
HE20	MCS0	2	60	5300	Full	0.38	0.38			8.53	8.93		8.07			Pass
HE20	MCS0	2	64	5320	Full	0.38	0.38			8.91	8.93		8.07			Pass
HE40	MCS0	2	54	5270	Full	0.38	0.41			8.51	8.93		8.07			Pass
HE40	MCS0	2	62	5310	Full	0.38	0.41			8.36	8.93		8.07			Pass
HE80	MCS0	2	58	5290	Full	0.40	0.38			5.13	8.93		8.07			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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	18.83	18.83	21.10	21.00	23.75		29.75		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.83	18.83	21.00	20.95	23.75		29.75		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.83	18.83	21.25	21.10	23.75		29.75		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.76	37.66	39.87	39.96	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.76	37.66	39.96	39.96	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.86	37.76	40.05	40.05	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	76.84	76.72	81.92	81.44	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	76.84	76.84	82.40	81.92	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	154.89	155.12	162.88	164.16	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	144	5720	Full	14.44	14.44	15.45	15.55	22.60		28.60		22.89		2.6	2.602
HE40	MCS0	2	142	5710	Full	33.88	33.88	35.25	34.98	23.98		30.00		23.98		2.64	3
HE80	MCS0	2	138	5690	Full	73.72	73.60	76.60	76.44	23.98		30.00		23.98		2.761	3.72

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	16.70	16.80	19.76	23.98		4.86		30	Pass
HE20	MCS0	2	116	5580	Full	16.50	16.40	19.46	23.98		4.86		30	Pass
HE20	MCS0	2	140	5700	Full	16.70	16.70	19.71	23.98		4.86		30	Pass
HE40	MCS0	2	102	5510	Full	18.80	19.00	21.91	23.98		4.86		30	Pass
HE40	MCS0	2	110	5550	Full	19.00	19.10	22.06	23.98		4.86		30	Pass
HE40	MCS0	2	134	5670	Full	19.00	19.30	22.16	23.98		4.86		30	Pass
HE80	MCS0	2	106	5530	Full	19.80	20.00	22.91	23.98		4.86		30	Pass
HE80	MCS0	2	122	5610	Full	20.50	20.60	23.56	23.98		4.86		30	Pass
HE160	MCS0	2	114	5570	Full	18.90	19.10	22.01	23.98		4.86		30	Pass

Note: Measured power (dBm) has offset with cable loss and duty factor.

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	16.00	16.30	19.16	22.89		4.86		30	Pass
HE40	MCS0	2	142	5710	Full	18.80	19.20	22.01	23.98		4.86		30	Pass
HE80	MCS0	2	138	5690	Full	20.80	21.00	23.91	23.98		4.86		30	Pass

Note: Measured power (dBm) has offset with cable loss and duty factor.

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	0.38	0.38			8.84	9.17		7.83			Pass
HE20	MCS0	2	116	5580	Full	0.38	0.38			8.73	9.17		7.83			Pass
HE20	MCS0	2	140	5700	Full	0.38	0.38			9.01	9.17		7.83			Pass
HE40	MCS0	2	102	5510	Full	0.38	0.41			8.74	9.17		7.83			Pass
HE40	MCS0	2	110	5550	Full	0.38	0.41			8.70	9.17		7.83			Pass
HE40	MCS0	2	134	5670	Full	0.38	0.41			8.82	9.17		7.83			Pass
HE80	MCS0	2	106	5530	Full	0.40	0.38			7.18	9.17		7.83			Pass
HE80	MCS0	2	122	5610	Full	0.40	0.38			8.12	9.17		7.83			Pass
HE160	MCS0	2	114	5570	Full	0.47	0.50			3.29	9.17		7.83			Pass

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	0.38	0.38			8.52	9.17		7.83			Pass
HE40	MCS0	2	142	5710	Full	0.38	0.41			8.68	9.17		7.83			Pass
HE80	MCS0	2	138	5690	Full	0.40	0.38			5.92	9.17		7.83			Pass

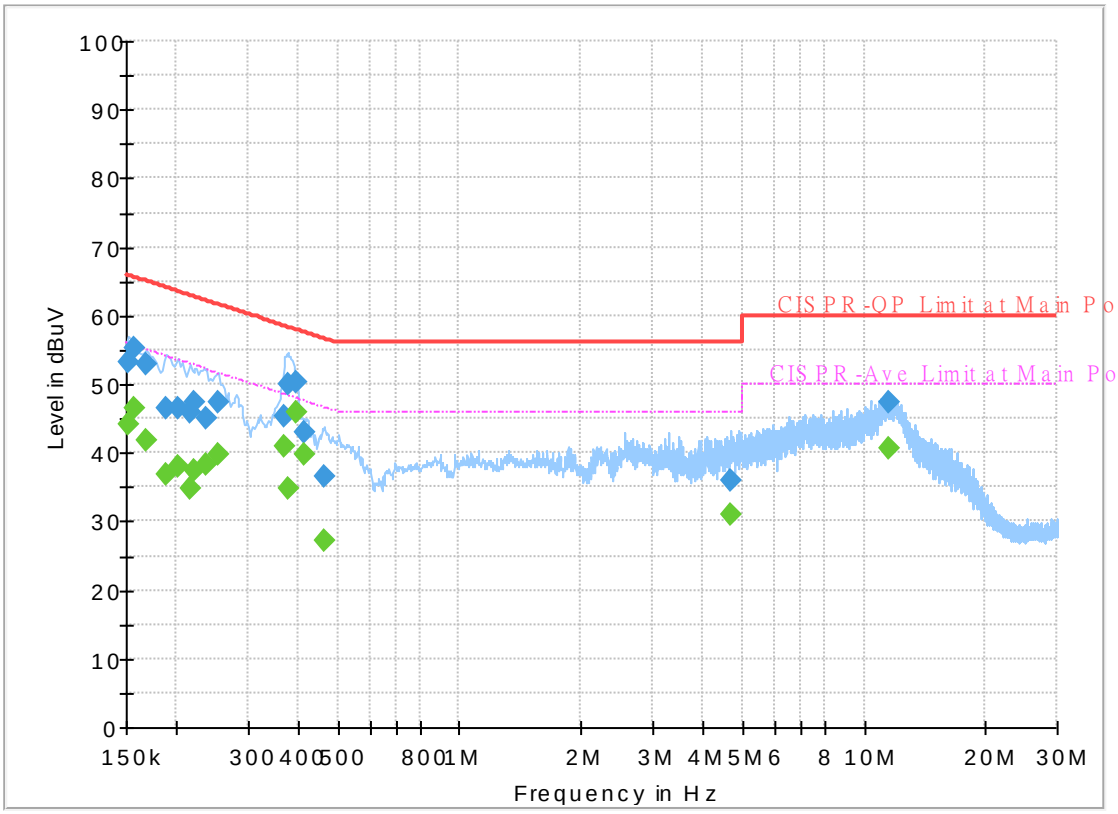
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	251805
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

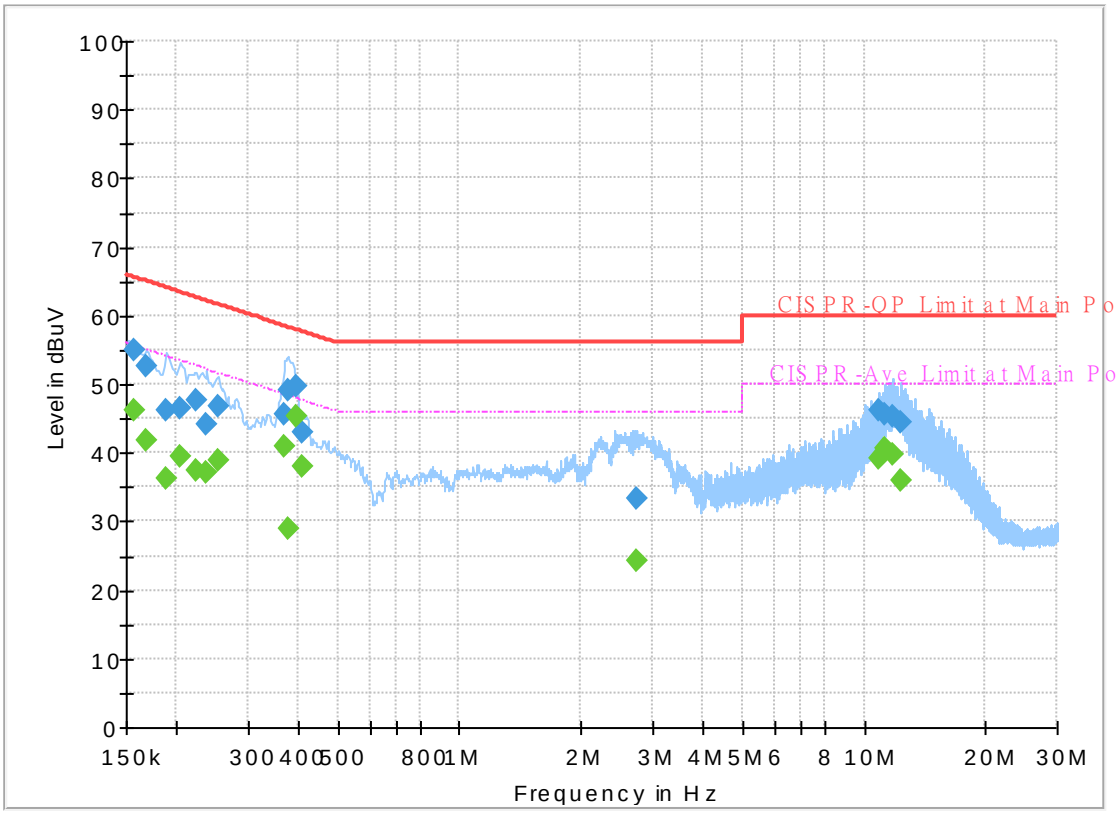
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	44.04	55.88	11.84	L1	OFF	19.6
0.152250	53.20	---	65.88	12.68	L1	OFF	19.6
0.156750	---	46.40	55.63	9.23	L1	OFF	19.6
0.156750	55.27	---	65.63	10.36	L1	OFF	19.6
0.168000	---	41.95	55.06	13.11	L1	OFF	19.6
0.168000	52.81	---	65.06	12.25	L1	OFF	19.6
0.188250	---	36.72	54.11	17.39	L1	OFF	19.6
0.188250	46.44	---	64.11	17.67	L1	OFF	19.6
0.201750	---	38.02	53.54	15.52	L1	OFF	19.6
0.201750	46.61	---	63.54	16.93	L1	OFF	19.6
0.215250	---	34.69	53.00	18.31	L1	OFF	19.6
0.215250	45.91	---	63.00	17.09	L1	OFF	19.6
0.222000	---	37.31	52.74	15.43	L1	OFF	19.6
0.222000	47.29	---	62.74	15.45	L1	OFF	19.6
0.237750	---	38.18	52.17	13.99	L1	OFF	19.6
0.237750	45.06	---	62.17	17.11	L1	OFF	19.6
0.253500	---	39.75	51.64	11.89	L1	OFF	19.6
0.253500	47.27	---	61.64	14.37	L1	OFF	19.6
0.368250	---	41.05	48.54	7.49	L1	OFF	19.6
0.368250	45.47	---	58.54	13.07	L1	OFF	19.6
0.377250	---	34.79	48.34	13.55	L1	OFF	19.6

0.377250	50.07	---	58.34	8.27	L1	OFF	19.6
0.393000	---	45.98	48.00	2.02	L1	OFF	19.6
0.393000	50.32	---	58.00	7.68	L1	OFF	19.6
0.415500	---	39.63	47.54	7.91	L1	OFF	19.6
0.415500	42.90	---	57.54	14.64	L1	OFF	19.6
0.462750	---	27.05	46.64	19.59	L1	OFF	19.6
0.462750	36.56	---	56.64	20.08	L1	OFF	19.6
4.699500	---	31.01	46.00	14.99	L1	OFF	19.7
4.699500	36.10	---	56.00	19.90	L1	OFF	19.7
11.478750	---	40.52	50.00	9.48	L1	OFF	19.8
11.478750	47.29	---	60.00	12.71	L1	OFF	19.8

EUT Information

Report NO :	251805
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)
0.156750	---	46.22	55.63	9.41	N	OFF	19.6
0.156750	55.06	---	65.63	10.57	N	OFF	19.6
0.168000	---	41.71	55.06	13.35	N	OFF	19.6
0.168000	52.63	---	65.06	12.43	N	OFF	19.6
0.188250	---	36.35	54.11	17.76	N	OFF	19.6
0.188250	46.12	---	64.11	17.99	N	OFF	19.6
0.204000	---	39.41	53.45	14.04	N	OFF	19.6
0.204000	46.60	---	63.45	16.85	N	OFF	19.6
0.224250	---	37.36	52.66	15.30	N	OFF	19.6
0.224250	47.58	---	62.66	15.08	N	OFF	19.6
0.237750	---	37.15	52.17	15.02	N	OFF	19.6
0.237750	44.17	---	62.17	18.00	N	OFF	19.6
0.253500	---	38.93	51.64	12.71	N	OFF	19.6
0.253500	46.66	---	61.64	14.98	N	OFF	19.6
0.368250	---	40.84	48.54	7.70	N	OFF	19.6
0.368250	45.73	---	58.54	12.81	N	OFF	19.6
0.377250	---	28.99	48.34	19.35	N	OFF	19.6
0.377250	49.26	---	58.34	9.08	N	OFF	19.6
0.393000	---	45.31	48.00	2.69	N	OFF	19.6
0.393000	49.84	---	58.00	8.16	N	OFF	19.6
0.411000	---	37.97	47.63	9.66	N	OFF	19.6

0.411000	43.03	---	57.63	14.60	N	OFF	19.6
2.735250	---	24.28	46.00	21.72	N	OFF	19.6
2.735250	33.22	---	56.00	22.78	N	OFF	19.6
10.880250	---	39.17	50.00	10.83	N	OFF	19.8
10.880250	46.13	---	60.00	13.87	N	OFF	19.8
11.249250	---	40.74	50.00	9.26	N	OFF	19.8
11.249250	45.50	---	60.00	14.50	N	OFF	19.8
11.787000	---	39.64	50.00	10.36	N	OFF	19.8
11.787000	45.23	---	60.00	14.77	N	OFF	19.8
12.347250	---	35.97	50.00	14.03	N	OFF	19.8
12.347250	44.34	---	60.00	15.66	N	OFF	19.8

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	23.6~27.5°C
		Relative Humidity :	55.6~61.8%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5050.7	50.36	-23.64	74	39.96	34	11.73	35.33	308	24	P	H
		5150	46	-8	54	35.34	34.1	11.84	35.28	308	24	A	H
	*	5180	113.26	-	-	102.43	34.22	11.88	35.27	308	24	P	H
	*	5180	105.63	-	-	94.8	34.22	11.88	35.27	308	24	A	H
													H
		5149.5	57.56	-16.44	74	46.9	34.1	11.84	35.28	268	289	P	V
		5149.76	51.13	-2.87	54	40.47	34.1	11.84	35.28	268	289	A	V
	*	5180	119.12	-	-	108.29	34.22	11.88	35.27	298	286	P	V
	*	5180	112.13	-	-	101.3	34.22	11.88	35.27	298	286	A	V
													V
802.11a CH 44 5220MHz		5078	50.31	-23.69	74	39.8	34.06	11.76	35.31	400	12	P	H
		5123.24	41.19	-12.81	54	30.57	34.1	11.81	35.29	400	12	A	H
	*	5220	114.02	-	-	102.98	34.38	11.91	35.25	400	12	P	H
	*	5220	106.14	-	-	95.1	34.38	11.91	35.25	400	12	A	H
		5365.08	49.97	-24.03	74	38.53	34.63	11.99	35.18	400	12	P	H
		5412.4	41.61	-12.39	54	30.05	34.7	12.02	35.16	400	12	A	H
		5026.78	51.72	-22.28	74	41.31	34.05	11.7	35.34	293	288	P	V
		5040.04	43.42	-10.58	54	33.02	34.02	11.72	35.34	293	288	A	V
	*	5220	121.84	-	-	110.8	34.38	11.91	35.25	293	288	P	V
	*	5220	114.54	-	-	103.5	34.38	11.91	35.25	293	288	A	V
		5412.4	51.26	-22.74	74	39.7	34.7	12.02	35.16	293	288	P	V
		5411	43.8	-10.2	54	32.24	34.7	12.02	35.16	293	288	A	V

802.11a CH 48 5240MHz		5067.6	50.71	-23.29	74	40.23	34.04	11.75	35.31	315	24	P	H
		5143.26	41.63	-12.37	54	30.99	34.1	11.83	35.29	315	24	A	H
	*	5240	115.62	-	-	104.48	34.46	11.92	35.24	315	24	P	H
	*	5240	108.04	-	-	96.9	34.46	11.92	35.24	315	24	A	H
		5433.4	51.16	-22.84	74	39.55	34.7	12.05	35.14	315	24	P	H
		5433.4	41.51	-12.49	54	29.9	34.7	12.05	35.14	315	24	A	H
		5143.26	52.43	-21.57	74	41.79	34.1	11.83	35.29	275	245	P	V
		5040.04	43.7	-10.3	54	33.3	34.02	11.72	35.34	275	245	A	V
	*	5240	121.28	-	-	110.14	34.46	11.92	35.24	275	245	P	V
	*	5240	114.34	-	-	103.2	34.46	11.92	35.24	275	245	A	V
		5432.28	51.52	-22.48	74	39.91	34.7	12.05	35.14	275	245	P	V
		5431.16	43.61	-10.39	54	32	34.7	12.05	35.14	275	245	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	44.02	-24.18	68.2	47.09	37.32	18.42	58.81	-	-	P	H
		13358	47.76	-26.24	74	45.57	39.08	21.05	57.94	-	-	P	H
		14499	48.45	-25.55	74	44.4	39.6	21.97	57.52	-	-	P	H
		14499	39.26	-14.74	54	35.21	39.6	21.97	57.52	-	-	A	H
		15540	45.86	-28.14	74	39.81	40.2	22.59	56.74	-	-	P	H
		17714	51.69	-22.31	74	41.07	41.51	24.29	55.18	-	-	P	H
		17714	42.44	-11.56	54	31.82	41.51	24.29	55.18	-	-	A	H
													H
													H
													H
													H
													H
		10360	43.73	-24.47	68.2	46.8	37.32	18.42	58.81	-	-	P	V
		13380	48.68	-25.32	74	46.51	39.04	21.07	57.94	-	-	P	V
		13380	39.28	-14.72	54	37.11	39.04	21.07	57.94	-	-	A	V
		14499	48.36	-25.64	74	44.31	39.6	21.97	57.52	-	-	P	V
		14499	38.74	-15.26	54	34.69	39.6	21.97	57.52	-	-	A	V
		15540	46.13	-27.87	74	40.08	40.2	22.59	56.74	-	-	P	V
		17758	51.23	-22.77	74	40.51	41.56	24.32	55.16	-	-	P	V
		17758	41.53	-12.47	54	30.81	41.56	24.32	55.16	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	45.48	-22.72	68.2	48.2	37.52	18.48	58.72	-	-	P	H
		13369	48.31	-25.69	74	46.13	39.06	21.06	57.94	-	-	P	H
		13369	39.3	-14.7	54	37.12	39.06	21.06	57.94	-	-	A	H
		14499	48.41	-25.59	74	44.36	39.6	21.97	57.52	-	-	P	H
		14499	38.93	-15.07	54	34.88	39.6	21.97	57.52	-	-	A	H
		15660	46.59	-27.41	74	40.15	40.32	22.67	56.55	-	-	P	H
		17791	51.84	-22.16	74	41.05	41.59	24.35	55.15	-	-	P	H
		17791	42.37	-11.63	54	31.58	41.59	24.35	55.15	-	-	A	H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	45.13	-23.07	68.2	47.85	37.52	18.48	58.72	-	-	P	V
		13402	48.43	-19.77	68.2	46.29	39	21.09	57.95	-	-	P	V
		13402	39.07	-14.93	54	36.93	39	21.09	57.95	-	-	A	V
		14499	48.48	-25.52	74	44.43	39.6	21.97	57.52	-	-	P	V
		14499	38.71	-15.29	54	34.66	39.6	21.97	57.52	-	-	A	V
		15660	48.35	-25.65	74	41.91	40.32	22.67	56.55	-	-	P	V
		17846	51.95	-22.05	74	41.17	41.51	24.39	55.12	-	-	P	V
		17846	42.49	-11.51	54	31.71	41.51	24.39	55.12	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	45.64	-22.56	68.2	48.17	37.64	18.51	58.68	-	-	P	H
		13347	48.35	-25.65	74	46.14	39.11	21.04	57.94	-	-	P	H
		13347	38.76	-15.24	54	36.55	39.11	21.04	57.94	-	-	A	H
		14499	48.62	-25.38	74	44.57	39.6	21.97	57.52	-	-	P	H
		14499	38.97	-15.03	54	34.92	39.6	21.97	57.52	-	-	A	H
		15720	47.95	-26.05	74	41.24	40.46	22.7	56.45	-	-	P	H
		17725	51.99	-22.01	74	41.34	41.53	24.3	55.18	-	-	P	H
		17725	42.26	-11.74	54	31.61	41.53	24.3	55.18	-	-	A	H
													H
													H
													H
802.11a													H
CH 48		10480	45.48	-22.72	68.2	48.01	37.64	18.51	58.68	-	-	P	V
5240MHz		13314	48.71	-25.29	74	46.46	39.17	21.01	57.93	-	-	P	V
		13314	47.88	-6.12	54	45.63	39.17	21.01	57.93	-	-	A	V
		14499	49.03	-24.97	74	44.98	39.6	21.97	57.52	-	-	P	V
		14499	39.38	-14.62	54	35.33	39.6	21.97	57.52	-	-	A	V
		15720	48.78	-25.22	74	42.07	40.46	22.7	56.45	-	-	P	V
		17934	51.52	-22.48	74	40.7	41.43	24.47	55.08	-	-	P	V
		17934	41.74	-12.26	54	30.92	41.43	24.47	55.08	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.76	52.05	-21.95	74	41.39	34.1	11.84	35.28	352	19	P	H
		5150	45.01	-8.99	54	34.35	34.1	11.84	35.28	352	19	A	H
	*	5180	114.71	-	-	103.88	34.22	11.88	35.27	352	19	P	H
	*	5180	104.89	-	-	94.06	34.22	11.88	35.27	352	19	A	H
802.11ax													H
HE20 Full													H
CH 36		5150	59.28	-14.72	74	48.62	34.1	11.84	35.28	319	290	P	V
5180MHz		5149.24	51.19	-2.81	54	40.53	34.1	11.84	35.28	319	290	A	V
	*	5180	120.74	-	-	109.91	34.22	11.88	35.27	319	290	P	V
	*	5180	111.1	-	-	100.27	34.22	11.88	35.27	319	290	A	V
													V
													V
		5130.52	48.09	-25.91	74	37.46	34.1	11.82	35.29	400	23	P	H
		5150	39.66	-14.34	54	29	34.1	11.84	35.28	400	23	A	H
	*	5220	114.76	-	-	103.72	34.38	11.91	35.25	400	23	P	H
	*	5220	106.2	-	-	95.16	34.38	11.91	35.25	400	23	A	H
802.11ax		5449.64	48.1	-25.9	74	36.47	34.7	12.07	35.14	400	23	P	H
HE20 Full		5410.72	39.95	-14.05	54	28.39	34.7	12.02	35.16	400	23	A	H
CH 44		5117.52	50.16	-23.84	74	39.55	34.1	11.81	35.3	293	248	P	V
5220MHz		5039.78	42.76	-11.24	54	32.36	34.02	11.72	35.34	293	248	A	V
	*	5220	121.75	-	-	110.71	34.38	11.91	35.25	293	248	P	V
	*	5220	113.74	-	-	102.7	34.38	11.91	35.25	293	248	A	V
		5372.64	48.88	-25.12	74	37.42	34.65	11.99	35.18	293	248	P	V
		5411.28	42.69	-11.31	54	31.13	34.7	12.02	35.16	293	248	A	V

		5081.38	48.39	-25.61	74	37.88	34.06	11.76	35.31	286	52	P	H
		5146.9	39.49	-14.51	54	28.83	34.1	11.84	35.28	286	52	A	H
	*	5240	113.94	-	-	102.8	34.46	11.92	35.24	286	52	P	H
	*	5240	105.74	-	-	94.6	34.46	11.92	35.24	286	52	A	H
802.11ax		5381.32	48.01	-25.99	74	36.52	34.66	12	35.17	286	52	P	H
HE20 Full		5430.6	39.4	-14.6	54	27.79	34.7	12.05	35.14	286	52	A	H
CH 48		5149.76	51.59	-22.41	74	40.93	34.1	11.84	35.28	300	242	P	V
5240MHz		5040.04	42.74	-11.26	54	32.34	34.02	11.72	35.34	300	242	A	V
	*	5240	121.44	-	-	110.3	34.46	11.92	35.24	300	242	P	V
	*	5240	113.32	-	-	102.18	34.46	11.92	35.24	300	242	A	V
		5424.16	49.23	-24.77	74	37.65	34.7	12.04	35.16	300	242	P	V
		5429.2	41.33	-12.67	54	29.73	34.7	12.04	35.14	300	242	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	42.1	-26.1	68.2	45.17	37.32	18.42	58.81	-	-	P	H
		13281	46.07	-27.93	74	43.88	39.14	20.98	57.93	-	-	P	H
		14499	48.67	-25.33	74	44.62	39.6	21.97	57.52	-	-	P	H
		14499	45.53	-8.47	54	41.48	39.6	21.97	57.52	-	-	A	H
		15540	45.11	-28.89	74	39.06	40.2	22.59	56.74	-	-	P	H
		17769	50.18	-23.82	74	39.44	41.57	24.33	55.16	-	-	P	H
		17769	40.41	-13.59	54	29.67	41.57	24.33	55.16	-	-	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	42.07	-26.13	68.2	45.14	37.32	18.42	58.81	-	-	P	V
5180MHz		13281	45.47	-28.53	74	43.28	39.14	20.98	57.93	-	-	P	V
		14499	48.8	-25.2	74	44.75	39.6	21.97	57.52	-	-	P	V
		14499	45.52	-8.48	54	41.47	39.6	21.97	57.52	-	-	A	V
		15540	44.61	-29.39	74	38.56	40.2	22.59	56.74	-	-	P	V
		17846	49.89	-24.11	74	39.11	41.51	24.39	55.12	-	-	P	V
		17846	39.31	-14.69	54	28.53	41.51	24.39	55.12	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	44.52	-23.68	68.2	47.24	37.52	18.48	58.72	-	-	P	H
		13369	47.83	-26.17	74	45.65	39.06	21.06	57.94	-	-	P	H
		14499	48.6	-25.4	74	44.55	39.6	21.97	57.52	-	-	P	H
		14499	38.36	-15.64	54	34.31	39.6	21.97	57.52	-	-	A	H
		15660	46.34	-27.66	74	39.9	40.32	22.67	56.55	-	-	P	H
		17714	52.21	-21.79	74	41.59	41.51	24.29	55.18	-	-	P	H
		17714	42.25	-11.75	54	31.63	41.51	24.29	55.18	-	-	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	45.28	-22.92	68.2	48	37.52	18.48	58.72	-	-	P	V
5220MHz		13358	47.93	-26.07	74	45.74	39.08	21.05	57.94	-	-	P	V
		14499	47.85	-26.15	74	43.8	39.6	21.97	57.52	-	-	P	V
		15660	47.95	-26.05	74	41.51	40.32	22.67	56.55	-	-	P	V
		17901	51.28	-22.72	74	40.55	41.4	24.43	55.1	-	-	P	V
		17901	41.35	-12.65	54	30.62	41.4	24.43	55.1	-	-	A	V
													V
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													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	43.56	-24.64	68.2	46.09	37.64	18.51	58.68	-	-	P	H
		13281	45.56	-28.44	74	43.37	39.14	20.98	57.93	-	-	P	H
		14499	48.16	-25.84	74	44.11	39.6	21.97	57.52	-	-	P	H
		14499	45.13	-8.87	54	41.08	39.6	21.97	57.52	-	-	A	H
		15720	46.82	-27.18	74	40.11	40.46	22.7	56.45	-	-	P	H
		17714	49.99	-24.01	74	39.37	41.51	24.29	55.18	-	-	P	H
		17714	39.64	-14.36	54	29.02	41.51	24.29	55.18	-	-	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	43.73	-24.47	68.2	46.26	37.64	18.51	58.68	-	-	P	V
5240MHz		13251	45.73	-28.27	74	43.66	39.05	20.95	57.93	-	-	P	V
		14499	47.17	-26.83	74	43.12	39.6	21.97	57.52	-	-	P	V
		14499	45.09	-8.91	54	41.04	39.6	21.97	57.52	-	-	A	V
		15720	47.32	-26.68	74	40.61	40.46	22.7	56.45	-	-	P	V
		17725	49.1	-24.9	74	38.45	41.53	24.3	55.18	-	-	P	V
		17725	39.32	-14.68	54	28.67	41.53	24.3	55.18	-	-	A	V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.76	51.75	-22.25	74	41.09	34.1	11.84	35.28	360	23	P	H
		5149.24	45.34	-8.66	54	34.68	34.1	11.84	35.28	360	23	A	H
	*	5190	111.48	-	-	100.6	34.26	11.89	35.27	360	23	P	H
	*	5190	102.68	-	-	91.8	34.26	11.89	35.27	360	23	A	H
802.11ax		5396.44	48.89	-25.11	74	37.36	34.69	12.01	35.17	360	23	P	H
HE40 Full		5383.28	40.84	-13.16	54	29.34	34.67	12	35.17	360	23	A	H
CH 38		5147.94	61.43	-12.57	74	50.77	34.1	11.84	35.28	250	240	P	V
5190MHz		5150	52.7	-1.3	54	42.04	34.1	11.84	35.28	250	240	A	V
	*	5190	116.48	-	-	105.6	34.26	11.89	35.27	333	240	P	V
	*	5190	108.28	-	-	97.4	34.26	11.89	35.27	333	240	A	V
		5363.12	50.05	-23.95	74	38.61	34.63	11.99	35.18	333	240	P	V
		5379.92	42.68	-11.32	54	31.19	34.66	12	35.17	333	240	A	V
		5147.94	54	-20	74	43.34	34.1	11.84	35.28	395	25	P	H
		5147.42	44.79	-9.21	54	34.13	34.1	11.84	35.28	395	25	A	H
	*	5230	112.31	-	-	101.21	34.42	11.92	35.24	395	25	P	H
	*	5230	103.14	-	-	92.04	34.42	11.92	35.24	395	25	A	H
802.11ax		5410.72	48.86	-25.14	74	37.3	34.7	12.02	35.16	395	25	P	H
HE40 Full		5350.8	40	-14	54	28.6	34.6	11.98	35.18	395	25	A	H
CH 46		5150	64.03	-9.97	74	53.37	34.1	11.84	35.28	300	245	P	V
5230MHz		5145.6	51.4	-2.6	54	40.74	34.1	11.84	35.28	300	245	A	V
	*	5230	117.58	-	-	106.48	34.42	11.92	35.24	300	245	P	V
	*	5230	110.54	-	-	99.44	34.42	11.92	35.24	300	245	A	V
		5377.96	55.24	-18.76	74	43.75	34.66	12	35.17	300	245	P	V
		5351.92	45.33	-8.67	54	33.93	34.6	11.98	35.18	300	245	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	43.97	-24.23	68.2	46.96	37.36	18.44	58.79	-	-	P	H
		13347	47.77	-26.23	74	45.56	39.11	21.04	57.94	-	-	P	H
		14499	48.52	-25.48	74	44.47	39.6	21.97	57.52	-	-	P	H
		14499	38.18	-15.82	54	34.13	39.6	21.97	57.52	-	-	A	H
		15570	46.46	-27.54	74	40.34	40.2	22.62	56.7	-	-	P	H
		17714	51.75	-22.25	74	41.13	41.51	24.29	55.18	-	-	P	H
		17714	41.53	-12.47	54	30.91	41.51	24.29	55.18	-	-	A	H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	43.79	-24.41	68.2	46.78	37.36	18.44	58.79	-	-	P	V
5190MHz		13380	48.51	-25.49	74	46.34	39.04	21.07	57.94	-	-	P	V
		13380	38.28	-15.72	54	36.11	39.04	21.07	57.94	-	-	A	V
		14491	48.14	-25.86	74	44.12	39.58	21.96	57.52	-	-	P	V
		14491	37.86	-16.14	54	33.84	39.58	21.96	57.52	-	-	A	V
		15570	46.68	-27.32	74	40.56	40.2	22.62	56.7	-	-	P	V
		17725	52.36	-21.64	74	41.71	41.53	24.3	55.18	-	-	P	V
		17725	41.75	-12.25	54	31.1	41.53	24.3	55.18	-	-	A	V
													V
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													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	45.28	-22.92	68.2	47.9	37.58	18.5	58.7	-	-	P	H
		13347	48.06	-25.94	74	45.85	39.11	21.04	57.94	-	-	P	H
		13347	37.74	-16.26	54	35.53	39.11	21.04	57.94	-	-	A	H
		14499	48.76	-25.24	74	44.71	39.6	21.97	57.52	-	-	P	H
		14499	38.46	-15.54	54	34.41	39.6	21.97	57.52	-	-	A	H
		15690	47.02	-26.98	74	40.45	40.38	22.69	56.5	-	-	P	H
		17736	51.94	-22.06	74	41.26	41.54	24.31	55.17	-	-	P	H
		17736	41.62	-12.38	54	30.94	41.54	24.31	55.17	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	45.17	-23.03	68.2	47.79	37.58	18.5	58.7	-	-	P	V
5230MHz		13358	48.62	-25.38	74	46.43	39.08	21.05	57.94	-	-	P	V
		13358	38.29	-15.71	54	36.1	39.08	21.05	57.94	-	-	A	V
		14499	48.27	-25.73	74	44.22	39.6	21.97	57.52	-	-	P	V
		14499	38.07	-15.93	54	34.02	39.6	21.97	57.52	-	-	A	V
		15690	46.72	-27.28	74	40.15	40.38	22.69	56.5	-	-	P	V
		17747	51.55	-22.45	74	40.86	41.55	24.31	55.17	-	-	P	V
		17747	41.15	-12.85	54	30.46	41.55	24.31	55.17	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5144.82	53.15	-20.85	74	42.49	34.1	11.84	35.28	359	20	P	H
		5149.5	43.7	-10.3	54	33.04	34.1	11.84	35.28	359	20	A	H
	*	5210	106.08	-	-	95.08	34.34	11.91	35.25	359	20	P	H
	*	5210	97.89	-	-	86.89	34.34	11.91	35.25	359	20	A	H
		5391.68	48.99	-25.01	74	37.47	34.68	12.01	35.17	359	20	P	H
		5401.2	40.46	-13.54	54	28.91	34.7	12.01	35.16	359	20	A	H
		5148.72	60.19	-13.81	74	49.53	34.1	11.84	35.28	296	295	P	V
		5148.98	52.7	-1.3	54	42.04	34.1	11.84	35.28	296	295	A	V
	*	5210	113.17	-	-	102.17	34.34	11.91	35.25	335	240	P	V
	*	5210	105.09	-	-	94.09	34.34	11.91	35.25	335	240	A	V
		5367.32	49.65	-24.35	74	38.21	34.63	11.99	35.18	335	240	P	V
		5350	41.52	-12.48	54	30.12	34.6	11.98	35.18	335	240	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	44.73	-23.47	68.2	47.54	37.46	18.47	58.74	-	-	P	H
		13325	47.71	-26.29	74	45.48	39.15	21.02	57.94	-	-	P	H
		14502	47.72	-20.48	68.2	43.66	39.6	21.98	57.52	-	-	P	H
		15630	46.87	-27.13	74	40.56	40.26	22.65	56.6	-	-	P	H
		17758	51.22	-22.78	74	40.5	41.56	24.32	55.16	-	-	P	H
		17758	41.38	-12.62	54	30.66	41.56	24.32	55.16	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	44.22	-23.98	68.2	47.03	37.46	18.47	58.74	-	-	P	V
5210MHz		13380	47.87	-26.13	74	45.7	39.04	21.07	57.94	-	-	P	V
		14480	47.78	-26.22	74	43.79	39.56	21.96	57.53	-	-	P	V
		15630	45.44	-28.56	74	39.13	40.26	22.65	56.6	-	-	P	V
		17846	51.45	-22.55	74	40.67	41.51	24.39	55.12	-	-	P	V
		17846	41.57	-12.43	54	30.79	41.51	24.39	55.12	-	-	A	V
													V
													V
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													V
													V

Remark

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

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5121.45	50.2	-23.8	74	39.58	34.1	11.81	35.29	388	26	P	H
		5039.9	41.24	-12.76	54	30.84	34.02	11.72	35.34	388	26	A	H
	*	5260	116.05	-	-	104.83	34.52	11.93	35.23	388	26	P	H
	*	5260	109.25	-	-	98.03	34.52	11.93	35.23	388	26	A	H
		5449.44	50.76	-23.24	74	39.13	34.7	12.07	35.14	388	26	P	H
		5452.56	42.12	-11.88	54	30.48	34.7	12.07	35.13	388	26	A	H
		5114.1	50.5	-23.5	74	39.9	34.1	11.8	35.3	325	298	P	V
		5039.9	43.4	-10.6	54	33	34.02	11.72	35.34	325	298	A	V
	*	5260	122.73	-	-	111.51	34.52	11.93	35.23	325	298	P	V
	*	5260	116.11	-	-	104.89	34.52	11.93	35.23	325	298	A	V
		5355.12	51.51	-22.49	74	40.09	34.61	11.99	35.18	325	298	P	V
		5354.64	44.16	-9.84	54	32.74	34.61	11.99	35.18	325	298	A	V
802.11a CH 60 5300MHz		5106.75	50.88	-23.12	74	40.29	34.1	11.79	35.3	400	26	P	H
		5107.45	41.61	-12.39	54	31.02	34.1	11.79	35.3	400	26	A	H
	*	5300	116.31	-	-	104.96	34.6	11.95	35.2	400	26	P	H
	*	5300	108.96	-	-	97.61	34.6	11.95	35.2	400	26	A	H
		5357.52	52.44	-21.56	74	41.01	34.62	11.99	35.18	400	26	P	H
		5350.08	44.94	-9.06	54	33.54	34.6	11.98	35.18	400	26	A	H
		5039.9	50.09	-23.91	74	39.69	34.02	11.72	35.34	302	186	P	V
		5108.85	42.9	-11.1	54	32.3	34.1	11.8	35.3	302	186	A	V
	*	5300	122.6	-	-	111.25	34.6	11.95	35.2	400	295	P	V
	*	5300	115.8	-	-	104.45	34.6	11.95	35.2	400	295	A	V
		5350.8	56.98	-17.02	74	45.58	34.6	11.98	35.18	302	186	P	V
		5350.8	50.12	-3.88	54	38.72	34.6	11.98	35.18	302	186	A	V

802.11a CH 64 5320MHz		5067.9	49.71	-24.29	74	39.23	34.04	11.75	35.31	383	3	P	H
		5128.8	40.99	-13.01	54	30.36	34.1	11.82	35.29	383	3	A	H
	*	5320	112.82	-	-	101.45	34.6	11.97	35.2	383	3	P	H
	*	5320	105.88	-	-	94.51	34.6	11.97	35.2	383	3	A	H
		5350.08	51.38	-22.62	74	39.98	34.6	11.98	35.18	383	3	P	H
		5350.08	45.83	-8.17	54	34.43	34.6	11.98	35.18	383	3	A	H
		5127.4	50.72	-23.28	74	40.09	34.1	11.82	35.29	301	256	P	V
		5039.9	44.6	-9.4	54	34.2	34.02	11.72	35.34	301	256	A	V
	*	5320	120.49	-	-	109.12	34.6	11.97	35.2	302	298	P	V
	*	5320	113.96	-	-	102.59	34.6	11.97	35.2	302	298	A	V
		5350.08	58.77	-15.23	74	47.37	34.6	11.98	35.18	301	256	P	V
		5350.08	52.01	-1.99	54	40.61	34.6	11.98	35.18	301	256	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	45.15	-23.05	68.2	47.58	37.66	18.56	58.65	-	-	P	H
		13358	48.17	-25.83	74	45.98	39.08	21.05	57.94	-	-	P	H
		13358	38.31	-15.69	54	36.12	39.08	21.05	57.94	-	-	A	H
		14499	48.35	-25.65	74	44.3	39.6	21.97	57.52	-	-	P	H
		14499	39.27	-14.73	54	35.22	39.6	21.97	57.52	-	-	A	H
		15780	48.1	-25.9	74	41.08	40.64	22.73	56.35	312	185	P	H
		15780	38.31	-15.69	54	31.29	40.64	22.73	56.35	312	185	A	H
		17736	51.91	-22.09	74	41.23	41.54	24.31	55.17	-	-	P	H
		17736	42.1	-11.9	54	31.42	41.54	24.31	55.17	-	-	A	H
													H
													H
													H
		10520	44.92	-23.28	68.2	47.35	37.66	18.56	58.65	-	-	P	V
		13325	48.24	-25.76	74	46.01	39.15	21.02	57.94	-	-	P	V
		13325	37.45	-16.55	54	35.22	39.15	21.02	57.94	-	-	A	V
		14499	48.44	-25.56	74	44.39	39.6	21.97	57.52	-	-	P	V
		14499	38.74	-15.26	54	34.69	39.6	21.97	57.52	-	-	A	V
		15780	49.18	-24.82	74	42.16	40.64	22.73	56.35	300	211	P	V
		15780	40.14	-13.86	54	33.12	40.64	22.73	56.35	300	211	A	V
		17758	51.74	-22.26	74	41.02	41.56	24.32	55.16	-	-	P	V
		17758	42.14	-11.86	54	31.42	41.56	24.32	55.16	-	-	A	V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	44.58	-29.42	74	47.05	37.5	18.62	58.59	-	-	P	H
		13380	47.84	-26.16	74	45.67	39.04	21.07	57.94	-	-	P	H
		14499	47.92	-26.08	74	43.87	39.6	21.97	57.52	-	-	P	H
		15900	47.72	-26.28	74	40.16	40.9	22.81	56.15	-	-	P	H
		17758	51.49	-22.51	74	40.77	41.56	24.32	55.16	-	-	P	H
		17758	41.58	-12.42	54	30.86	41.56	24.32	55.16	-	-	A	H
													H
													H
													H
													H
													H
i802.11a CH 60 5300MHz													H
		10600	43.92	-30.08	74	46.39	37.5	18.62	58.59	-	-	P	V
		13336	47.61	-26.39	74	45.39	39.13	21.03	57.94	-	-	P	V
		14499	47.78	-26.22	74	43.73	39.6	21.97	57.52	-	-	P	V
		15900	53.62	-20.38	74	46.06	40.9	22.81	56.15	396	184	P	V
		15900	44.63	-9.37	54	37.07	40.9	22.81	56.15	396	184	A	V
		17824	52.16	-21.84	74	41.37	41.55	24.37	55.13	-	-	P	V
		17824	42	-12	54	31.21	41.55	24.37	55.13	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	44.52	-29.48	74	46.93	37.5	18.65	58.56	-	-	P	H
		13347	47.35	-26.65	74	45.14	39.11	21.04	57.94	-	-	P	H
		14499	47.76	-26.24	74	43.71	39.6	21.97	57.52	-	-	P	H
		15960	46.24	-27.76	74	38.49	40.96	22.85	56.06	-	-	P	H
		17890	51.37	-22.63	74	40.63	41.42	24.42	55.1	-	-	P	H
		17890	41.49	-12.51	54	30.75	41.42	24.42	55.1	-	-	A	H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz													H
		10640	44.53	-29.47	74	46.94	37.5	18.65	58.56	-	-	P	V
		13358	47.71	-26.29	74	45.52	39.08	21.05	57.94	-	-	P	V
		14499	47.94	-26.06	74	43.89	39.6	21.97	57.52	-	-	P	V
		15960	46.94	-27.06	74	39.19	40.96	22.85	56.06	-	-	P	V
		17813	51.28	-22.72	74	40.48	41.57	24.37	55.14	-	-	P	V
		17813	41.34	-12.66	54	30.54	41.57	24.37	55.14	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5059.85	49.67	-24.33	74	39.24	34.02	11.74	35.33	386	26	P	H
		5039.9	41.06	-12.94	54	30.66	34.02	11.72	35.34	386	26	A	H
	*	5260	116.48	-	-	105.26	34.52	11.93	35.23	386	26	P	H
	*	5260	108.15	-	-	96.93	34.52	11.93	35.23	386	26	A	H
802.11ax		5356.08	49.02	-24.98	74	37.6	34.61	11.99	35.18	386	26	P	H
HE20 Full		5452.32	41.27	-12.73	54	29.63	34.7	12.07	35.13	386	26	A	H
CH 52		5141.75	49.98	-24.02	74	39.34	34.1	11.83	35.29	318	301	P	V
5260MHz		5039.9	43.54	-10.46	54	33.14	34.02	11.72	35.34	318	301	A	V
	*	5260	121.76	-	-	110.54	34.52	11.93	35.23	318	301	P	V
	*	5260	113.87	-	-	102.65	34.52	11.93	35.23	318	301	A	V
		5355.36	50.53	-23.47	74	39.11	34.61	11.99	35.18	318	301	P	V
		5451.36	42.78	-11.22	54	31.14	34.7	12.07	35.13	318	301	A	V
		5070.7	48.96	-25.04	74	38.48	34.04	11.75	35.31	371	24	P	H
		5108.85	41.24	-12.76	54	30.64	34.1	11.8	35.3	371	24	A	H
	*	5300	116.59	-	-	105.24	34.6	11.95	35.2	371	24	P	H
	*	5300	107.53	-	-	96.18	34.6	11.95	35.2	371	24	A	H
802.11ax		5350.56	53.13	-20.87	74	41.73	34.6	11.98	35.18	371	24	P	H
HE20 Full		5350.08	46.8	-7.2	54	35.4	34.6	11.98	35.18	371	24	A	H
CH 60		5109.55	49.07	-24.93	74	38.47	34.1	11.8	35.3	334	253	P	V
5300MHz		5039.9	42.76	-11.24	54	32.36	34.02	11.72	35.34	334	253	A	V
	*	5300	120.06	-	-	108.71	34.6	11.95	35.2	337	209	P	V
	*	5300	111.82	-	-	100.47	34.6	11.95	35.2	337	209	A	V
		5351.28	56.12	-17.88	74	44.72	34.6	11.98	35.18	334	253	P	V
		5350.08	51.53	-2.47	54	40.13	34.6	11.98	35.18	334	253	A	V

	*	5320	112.99	-	-	101.62	34.6	11.97	35.2	354	19	P	H
	*	5320	103.91	-	-	92.54	34.6	11.97	35.2	354	19	A	H
		5352.16	49.43	-24.57	74	38.03	34.6	11.98	35.18	354	19	P	H
		5350.08	43.24	-10.76	54	31.84	34.6	11.98	35.18	354	19	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	120.1	-	-	108.73	34.6	11.97	35.2	338	248	P	V
5320MHz	*	5320	111.02	-	-	99.65	34.6	11.97	35.2	338	248	A	V
		5350.72	56.48	-17.52	74	45.08	34.6	11.98	35.18	309	289	P	V
		5350.08	49.09	-4.91	54	37.69	34.6	11.98	35.18	309	289	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	43.15	-25.05	68.2	45.58	37.66	18.56	58.65	-	-	P	H
		13380	45.28	-28.72	74	43.11	39.04	21.07	57.94	-	-	P	H
		14499	47.42	-26.58	74	43.37	39.6	21.97	57.52	-	-	P	H
		15780	45.62	-28.38	74	38.6	40.64	22.73	56.35	-	-	P	H
		17714	49.33	-24.67	74	38.71	41.51	24.29	55.18	-	-	P	H
		17714	39.28	-14.72	54	28.66	41.51	24.29	55.18	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	43.25	-24.95	68.2	45.68	37.66	18.56	58.65	-	-	P	V
5260MHz		13270	45.06	-28.94	74	42.91	39.11	20.97	57.93	-	-	P	V
		14499	47.74	-26.26	74	43.69	39.6	21.97	57.52	-	-	P	V
		15780	46.62	-27.38	74	39.6	40.64	22.73	56.35	-	-	P	V
		17835	50.33	-23.67	74	39.55	41.53	24.38	55.13	-	-	P	V
		17835	40.18	-13.82	54	29.4	41.53	24.38	55.13	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	41.51	-32.49	74	43.98	37.5	18.62	58.59	-	-	P	H
		13270	45.89	-28.11	74	43.74	39.11	20.97	57.93	-	-	P	H
		14499	47.94	-26.06	74	43.89	39.6	21.97	57.52	-	-	P	H
		15900	46.54	-27.46	74	38.98	40.9	22.81	56.15	-	-	P	H
		17714	49.46	-24.54	74	38.84	41.51	24.29	55.18	-	-	P	H
		17714	39.34	-14.66	54	28.72	41.51	24.29	55.18	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	42.01	-31.99	74	44.48	37.5	18.62	58.59	-	-	P	V
5300MHz		13358	45.22	-28.78	74	43.03	39.08	21.05	57.94	-	-	P	V
		14499	47.69	-26.31	74	43.64	39.6	21.97	57.52	-	-	P	V
		15900	58.74	-15.26	74	51.18	40.9	22.81	56.15	314	112	P	V
		15900	48.65	-5.35	54	41.09	40.9	22.81	56.15	314	112	A	V
		17791	49.37	-24.63	74	38.58	41.59	24.35	55.15	-	-	P	V
		17791	39.13	-14.87	54	28.34	41.59	24.35	55.15	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	42.62	-31.38	74	45.03	37.5	18.65	58.56	-	-	P	H
		13399	46.37	-27.63	74	44.23	39	21.09	57.95	-	-	P	H
		14499	47.73	-26.27	74	43.68	39.6	21.97	57.52	-	-	P	H
		15960	45.2	-28.8	74	37.45	40.96	22.85	56.06	-	-	P	H
		17791	49.46	-24.54	74	38.67	41.59	24.35	55.15	-	-	P	H
		17791	39.42	-14.58	54	28.63	41.59	24.35	55.15	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	42.96	-31.04	74	45.37	37.5	18.65	58.56	-	-	P	V
5320MHz		13303	45.39	-28.61	74	43.13	39.19	21	57.93	-	-	P	V
		14499	47.58	-26.42	74	43.53	39.6	21.97	57.52	-	-	P	V
		15960	46.8	-27.2	74	39.05	40.96	22.85	56.06	-	-	P	V
		17769	49.81	-24.19	74	39.07	41.57	24.33	55.16	-	-	P	V
		17769	39.69	-14.31	54	28.95	41.57	24.33	55.16	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5143.15	52.69	-21.31	74	42.05	34.1	11.83	35.29	326	25	P	H
		5149.45	42.14	-11.86	54	31.48	34.1	11.84	35.28	326	25	A	H
	*	5270	112.26	-	-	101.01	34.54	11.94	35.23	326	25	P	H
	*	5270	103.86	-	-	92.61	34.54	11.94	35.23	326	25	A	H
802.11ax		5354.88	55.79	-18.21	74	44.37	34.61	11.99	35.18	326	25	P	H
HE40 Full		5354.4	46.39	-7.61	54	34.98	34.61	11.98	35.18	326	25	A	H
CH 54		5140	56.62	-17.38	74	45.98	34.1	11.83	35.29	398	252	P	V
5270MHz		5147	45.3	-8.7	54	34.64	34.1	11.84	35.28	398	252	A	V
	*	5270	117.75	-	-	106.5	34.54	11.94	35.23	341	301	P	V
	*	5270	110.56	-	-	99.31	34.54	11.94	35.23	341	301	A	V
		5353.68	61.23	-12.77	74	49.82	34.61	11.98	35.18	398	252	P	V
		5353.2	52.68	-1.32	54	41.27	34.61	11.98	35.18	398	252	A	V
		5131.6	49.41	-24.59	74	38.78	34.1	11.82	35.29	364	24	P	H
		5039.9	41.52	-12.48	54	31.12	34.02	11.72	35.34	364	24	A	H
	*	5310	108.04	-	-	96.68	34.6	11.96	35.2	364	24	P	H
	*	5310	100.26	-	-	88.9	34.6	11.96	35.2	364	24	A	H
802.11ax		5352	52.07	-21.93	74	40.67	34.6	11.98	35.18	364	24	P	H
HE40 Full		5350.32	44.72	-9.28	54	33.32	34.6	11.98	35.18	364	24	A	H
CH 62		5118.65	49.95	-24.05	74	39.33	34.1	11.81	35.29	302	242	P	V
5310MHz		5039.9	44.43	-9.57	54	34.03	34.02	11.72	35.34	302	242	A	V
	*	5310	115.34	-	-	103.98	34.6	11.96	35.2	302	242	P	V
	*	5310	107.41	-	-	96.05	34.6	11.96	35.2	302	242	A	V
		5350.32	58.41	-15.59	74	47.01	34.6	11.98	35.18	318	242	P	V
		5350.08	52.27	-1.73	54	40.87	34.6	11.98	35.18	318	242	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	44.47	-23.73	68.2	46.91	37.62	18.57	58.63	-	-	P	H
		13358	49.17	-24.83	74	46.98	39.08	21.05	57.94	-	-	P	H
		13358	38.56	-15.44	54	36.37	39.08	21.05	57.94	-	-	A	H
		14499	48.26	-25.74	74	44.21	39.6	21.97	57.52	-	-	P	H
		14499	38.14	-15.86	54	34.09	39.6	21.97	57.52	-	-	A	H
		15810	47.55	-26.45	74	40.37	40.72	22.76	56.3	-	-	P	H
		17802	52.13	-21.87	74	41.31	41.6	24.36	55.14	-	-	P	H
		17802	41.73	-12.27	54	30.91	41.6	24.36	55.14	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	44.15	-24.05	68.2	46.59	37.62	18.57	58.63	-	-	P	V
5270MHz		13380	47.78	-26.22	74	45.61	39.04	21.07	57.94	-	-	P	V
		14499	48.91	-25.09	74	44.86	39.6	21.97	57.52	-	-	P	V
		14499	38.46	-15.54	54	34.41	39.6	21.97	57.52	-	-	A	V
		15810	47.1	-26.9	74	39.92	40.72	22.76	56.3	-	-	P	V
		17813	51.33	-22.67	74	40.53	41.57	24.37	55.14	-	-	P	V
		17813	41.18	-12.82	54	30.38	41.57	24.37	55.14	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	45.39	-28.61	74	47.83	37.5	18.63	58.57	-	-	P	H
		13391	48.7	-25.3	74	46.54	39.02	21.08	57.94	-	-	P	H
		13391	38.46	-15.54	54	36.3	39.02	21.08	57.94	-	-	A	H
		14499	49.23	-24.77	74	45.18	39.6	21.97	57.52	-	-	P	H
		14499	38.72	-15.28	54	34.67	39.6	21.97	57.52	-	-	A	H
		15930	47.53	-26.47	74	39.86	40.93	22.84	56.1	-	-	P	H
		17714	51.79	-22.21	74	41.17	41.51	24.29	55.18	-	-	P	H
		17714	41.52	-12.48	54	30.9	41.51	24.29	55.18	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	45.25	-28.75	74	47.69	37.5	18.63	58.57	-	-	P	V
5310MHz		13369	47.85	-26.15	74	45.67	39.06	21.06	57.94	-	-	P	V
		14499	49.2	-24.8	74	45.15	39.6	21.97	57.52	-	-	P	V
		14499	38.69	-15.31	54	34.64	39.6	21.97	57.52	-	-	A	V
		15930	47.63	-26.37	74	39.96	40.93	22.84	56.1	-	-	P	V
		17725	52.43	-21.57	74	41.78	41.53	24.3	55.18	-	-	P	V
		17725	41.85	-12.15	54	31.2	41.53	24.3	55.18	-	-	A	V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		5110.95	49.85	-24.15	74	39.25	34.1	11.8	35.3	360	26	P	H
		5101.85	40.06	-13.94	54	29.47	34.1	11.79	35.3	360	26	A	H
	*	5290	103.48	-	-	92.17	34.58	11.95	35.22	360	26	P	H
	*	5290	96.28	-	-	84.97	34.58	11.95	35.22	360	26	A	H
		5352.48	51.69	-22.31	74	40.29	34.6	11.98	35.18	360	26	P	H
		5351.52	44.78	-9.22	54	33.38	34.6	11.98	35.18	360	26	A	H
		5122.5	48.77	-25.23	74	38.15	34.1	11.81	35.29	330	259	P	V
		5087.85	41.16	-12.84	54	30.62	34.08	11.77	35.31	330	259	A	V
	*	5290	112.77	-	-	101.46	34.58	11.95	35.22	362	253	P	V
	*	5290	102.61	-	-	91.3	34.58	11.95	35.22	362	253	A	V
		5351.76	57.47	-16.53	74	46.07	34.6	11.98	35.18	330	259	P	V
		5351.04	51.43	-2.57	54	40.03	34.6	11.98	35.18	330	259	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	43.89	-24.31	68.2	46.35	37.54	18.6	58.6	-	-	P	H
		13369	47.36	-26.64	74	45.18	39.06	21.06	57.94	-	-	P	H
		14499	47.98	-26.02	74	43.93	39.6	21.97	57.52	-	-	P	H
		15870	47.85	-26.15	74	40.41	40.84	22.8	56.2	-	-	P	H
		17725	51.86	-22.14	74	41.21	41.53	24.3	55.18	-	-	P	H
		17725	41.92	-12.08	54	31.27	41.53	24.3	55.18	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	43.71	-24.49	68.2	46.17	37.54	18.6	58.6	-	-	P	V
5290MHz		13336	47.65	-26.35	74	45.43	39.13	21.03	57.94	-	-	P	V
		14499	47.82	-26.18	74	43.77	39.6	21.97	57.52	-	-	P	V
		15870	47.61	-26.39	74	40.17	40.84	22.8	56.2	-	-	P	V
		17813	51.58	-22.42	74	40.78	41.57	24.37	55.14	-	-	P	V
		17813	41.61	-12.39	54	30.81	41.57	24.37	55.14	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 50 5250MHz		5138.25	52.1	-21.9	74	41.46	34.1	11.83	35.29	316	42	P	H
		5138.25	44.08	-9.92	54	33.44	34.1	11.83	35.29	316	42	A	H
	*	5250	102.84	-	-	91.64	34.5	11.93	35.23	316	42	P	H
	*	5250	93.08	-	-	81.88	34.5	11.93	35.23	316	42	A	H
		5357.28	51.85	-22.15	74	40.43	34.61	11.99	35.18	316	42	P	H
		5368.8	44.66	-9.34	54	33.21	34.64	11.99	35.18	316	42	A	H
		5144.55	59.67	-14.33	74	49.01	34.1	11.84	35.28	317	291	P	V
		5148.05	51.07	-2.93	54	40.41	34.1	11.84	35.28	317	291	A	V
	*	5250	108.7	-	-	97.5	34.5	11.93	35.23	317	291	P	V
	*	5250	100.9	-	-	89.7	34.5	11.93	35.23	317	291	A	V
		5358.48	60.73	-13.27	74	49.3	34.62	11.99	35.18	317	291	P	V
		5358.96	53.69	-0.31	54	42.26	34.62	11.99	35.18	317	291	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10500	44.06	-24.14	68.2	46.48	37.7	18.54	58.66	-	-	P	H
		13347	47.76	-26.24	74	45.55	39.11	21.04	57.94	-	-	P	H
		14499	47.48	-26.52	74	43.43	39.6	21.97	57.52	-	-	P	H
		15750	47.94	-26.06	74	41.07	40.55	22.72	56.4	-	-	P	H
		17736	51.49	-22.51	74	40.81	41.54	24.31	55.17	-	-	P	H
		17736	51.63	-2.37	54	40.95	41.54	24.31	55.17	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 50		10500	44.46	-23.74	68.2	46.88	37.7	18.54	58.66	-	-	P	V
5250MHz		13399	47.86	-26.14	74	45.72	39	21.09	57.95	-	-	P	V
		14499	47.12	-26.88	74	43.07	39.6	21.97	57.52	-	-	P	V
		15750	47.91	-26.09	74	41.04	40.55	22.72	56.4	-	-	P	V
		17714	51.46	-22.54	74	40.84	41.51	24.29	55.18	-	-	P	V
		17714	51.59	-2.41	54	40.97	41.51	24.29	55.18	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5451.44	51.03	-22.97	74	39.39	34.7	12.07	35.13	400	355	P	H
		5467.92	58.16	-10.04	68.2	46.5	34.7	12.09	35.13	400	355	P	H
		5457.84	43.12	-10.88	54	31.47	34.7	12.08	35.13	400	355	A	H
	*	5500	112.33	-	-	100.63	34.7	12.12	35.12	376	27	P	H
	*	5500	105.74	-	-	94.04	34.7	12.12	35.12	376	27	A	H
													H
		5459.44	53.78	-20.22	74	42.13	34.7	12.08	35.13	321	243	P	V
		5467.76	63.75	-4.45	68.2	52.09	34.7	12.09	35.13	321	243	P	V
		5460	48.71	-5.29	54	37.06	34.7	12.08	35.13	321	243	A	V
	*	5500	118.1	-	-	106.4	34.7	12.12	35.12	391	258	P	V
	*	5500	111.1	-	-	99.4	34.7	12.12	35.12	391	258	A	V
													V
802.11a CH 116 5580MHz		5394.88	49.71	-24.29	74	38.18	34.69	12.01	35.17	366	29	P	H
		5465.68	48.05	-20.15	68.2	36.39	34.7	12.09	35.13	366	29	P	H
		5388.64	41.83	-12.17	54	30.32	34.68	12	35.17	366	29	A	H
	*	5580	112.97	-	-	101.19	34.7	12.22	35.14	361	26	P	H
	*	5580	106.45	-	-	94.67	34.7	12.22	35.14	361	26	A	H
		5752.085	49.13	-19.07	68.2	36.79	35.2	12.31	35.17	361	26	P	H
		5388.4	52.15	-21.85	74	40.64	34.68	12	35.17	333	174	P	V
		5468.56	48.57	-19.63	68.2	36.91	34.7	12.09	35.13	333	174	P	V
		5388.64	44.59	-9.41	54	33.08	34.68	12	35.17	333	174	A	V
	*	5580	119.89	-	-	108.11	34.7	12.22	35.14	397	258	P	V
	*	5580	113.56	-	-	101.78	34.7	12.22	35.14	397	258	A	V
		5759.96	50.36	-17.84	68.2	38.02	35.2	12.31	35.17	397	258	P	V

802.11a CH 140 5700MHz	*	5700	111.56	-	-	99.54	34.9	12.28	35.16	390	0	P	H
	*	5700	104.71	-	-	92.69	34.9	12.28	35.16	390	0	A	H
		5726.2	60.94	-7.26	68.2	48.74	35.06	12.3	35.16	399	342	P	H
													H
													H
													H
	*	5700	117.62	-	-	105.6	34.9	12.28	35.16	349	258	P	V
	*	5700	110.58	-	-	98.56	34.9	12.28	35.16	349	258	A	V
		5725.96	64.4	-3.8	68.2	52.2	35.06	12.3	35.16	374	250	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.27	-27.73	74	47.63	38	18.93	58.29	-	-	P	H
		13369	47.9	-26.1	74	45.72	39.06	21.06	57.94	-	-	P	H
		14480	48.82	-25.18	74	44.83	39.56	21.96	57.53	-	-	P	H
		14480	38.27	-15.73	54	34.28	39.56	21.96	57.53	-	-	A	H
		16500	49.99	-18.21	68.2	40.91	42.1	23.29	56.31	-	-	P	H
		17857	51.19	-22.81	74	40.42	41.49	24.4	55.12	-	-	P	H
		17857	41.77	-12.23	54	31	41.49	24.4	55.12	-	-	A	H
													H
													H
													H
													H
802.11a CH 100 5500MHz													H
		11000	44.76	-29.24	74	46.12	38	18.93	58.29	-	-	P	V
		13358	47.72	-26.28	74	45.53	39.08	21.05	57.94	-	-	P	V
		14480	48.78	-25.22	74	44.79	39.56	21.96	57.53	-	-	P	V
		14480	38.29	-15.71	54	34.3	39.56	21.96	57.53	-	-	A	V
		16500	50.25	-17.95	68.2	41.17	42.1	23.29	56.31	-	-	P	V
		17945	51.35	-22.65	74	40.51	41.44	24.48	55.08	-	-	P	V
		17945	41.39	-12.61	54	30.55	41.44	24.48	55.08	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	44.98	-29.02	74	45.89	37.86	19.06	57.83	-	-	P	H
		13347	47.93	-26.07	74	45.72	39.11	21.04	57.94	-	-	P	H
		14480	48.7	-25.3	74	44.71	39.56	21.96	57.53	-	-	P	H
		14480	38.05	-15.95	54	34.06	39.56	21.96	57.53	-	-	A	H
		16740	48.45	-19.75	68.2	39.02	42.14	23.48	56.19	-	-	P	H
		17846	51.28	-22.72	74	40.5	41.51	24.39	55.12	-	-	P	H
		17846	41.72	-12.28	54	30.94	41.51	24.39	55.12	-	-	A	H
													H
													H
													H
													H
802.11a													H
CH 116		11160	44.6	-29.4	74	45.51	37.86	19.06	57.83	-	-	P	V
5580MHz		13380	47.09	-26.91	74	44.92	39.04	21.07	57.94	-	-	P	V
		14499	48.04	-25.96	74	43.99	39.6	21.97	57.52	-	-	P	V
		14499	37.35	-16.65	54	33.3	39.6	21.97	57.52	-	-	A	V
		16740	53.2	-15	68.2	43.77	42.14	23.48	56.19	-	-	P	V
		17714	51.58	-22.42	74	40.96	41.51	24.29	55.18	-	-	P	V
		17714	41.56	-12.44	54	30.94	41.51	24.29	55.18	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	46.34	-27.66	74	46.03	38.2	19.25	57.14	-	-	P	H
		13358	47.73	-26.27	74	45.54	39.08	21.05	57.94	-	-	P	H
		14480	48.54	-25.46	74	44.55	39.56	21.96	57.53	-	-	P	H
		14480	38.21	-15.79	54	34.22	39.56	21.96	57.53	-	-	A	H
		17100	50.19	-18.01	68.2	40.71	41.6	23.78	55.9	-	-	P	H
		17769	51.51	-22.49	74	40.77	41.57	24.33	55.16	-	-	P	H
		17769	41.38	-12.62	54	30.64	41.57	24.33	55.16	-	-	A	H
													H
													H
													H
													H
802.11a													H
CH 140		11400	46.48	-27.52	74	46.17	38.2	19.25	57.14	-	-	P	V
5700MHz		13391	47.66	-26.34	74	45.5	39.02	21.08	57.94	-	-	P	V
		14499	48.23	-25.77	74	44.18	39.6	21.97	57.52	-	-	P	V
		14499	38.02	-15.98	54	33.97	39.6	21.97	57.52	-	-	A	V
		17100	51.51	-16.69	68.2	42.03	41.6	23.78	55.9	-	-	P	V
		17901	51.44	-22.56	74	40.71	41.4	24.43	55.1	-	-	P	V
		17901	41.77	-12.23	54	31.04	41.4	24.43	55.1	-	-	A	V
													V
													V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.16	50.74	-23.26	74	39.09	34.7	12.08	35.13	377	33	P	H
		5469.84	55.15	-13.05	68.2	43.49	34.7	12.09	35.13	377	33	P	H
		5455.44	40.92	-13.08	54	29.28	34.7	12.07	35.13	377	33	A	H
	*	5500	113.48	-	-	101.78	34.7	12.12	35.12	377	33	P	H
802.11ax	*	5500	104.35	-	-	92.65	34.7	12.12	35.12	377	33	A	H
HE20 Full		5459.6	57.24	-16.76	74	45.59	34.7	12.08	35.13	356	274	P	V
CH 100		5468.56	62.5	-5.7	68.2	50.84	34.7	12.09	35.13	356	274	P	V
5500MHz		5460	46.92	-7.08	54	35.27	34.7	12.08	35.13	356	274	A	V
	*	5500	120.69	-	-	108.99	34.7	12.12	35.12	390	254	P	V
	*	5500	111.5	-	-	99.8	34.7	12.12	35.12	390	254	A	V
													V
													V
		5421.28	48.23	-25.77	74	36.66	34.7	12.03	35.16	400	356	P	H
		5460.64	48.91	-19.29	68.2	37.26	34.7	12.08	35.13	400	356	P	H
		5389.84	40.29	-13.71	54	28.78	34.68	12	35.17	400	356	A	H
	*	5580	112.52	-	-	100.74	34.7	12.22	35.14	400	356	P	H
802.11ax	*	5580	104.89	-	-	93.11	34.7	12.22	35.14	400	356	A	H
HE20 Full		5750.195	49.57	-18.63	68.2	37.23	35.2	12.31	35.17	400	356	P	H
CH 116		5378.56	51.17	-22.83	74	39.68	34.66	12	35.17	309	194	P	V
5580MHz		5466.88	48.11	-20.09	68.2	36.45	34.7	12.09	35.13	309	194	P	V
		5389.12	44.1	-9.9	54	32.59	34.68	12	35.17	309	194	A	V
	*	5580	120.66	-	-	108.88	34.7	12.22	35.14	397	257	P	V
	*	5580	112.42	-	-	100.64	34.7	12.22	35.14	397	257	A	V
		5759.96	52.02	-16.18	68.2	39.68	35.2	12.31	35.17	397	257	P	V

	*	5700	112.58	-	-	100.56	34.9	12.28	35.16	391	0	P	H
	*	5700	103.23	-	-	91.21	34.9	12.28	35.16	391	0	A	H
		5726.2	59.8	-8.4	68.2	47.6	35.06	12.3	35.16	391	0	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	118.93	-	-	106.91	34.9	12.28	35.16	339	254	P	V
5700MHz	*	5700	110.53	-	-	98.51	34.9	12.28	35.16	339	254	A	V
		5726.6	67.32	-0.88	68.2	55.12	35.06	12.3	35.16	396	221	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	43.64	-30.36	74	45	38	18.93	58.29	-	-	P	H
		13250.5	45.86	-28.14	74	43.79	39.05	20.95	57.93	-	-	P	H
		14499	47.18	-26.82	74	43.13	39.6	21.97	57.52	-	-	P	H
		16500	46.86	-21.34	68.2	37.78	42.1	23.29	56.31	-	-	P	H
		17780	49.39	-24.61	74	38.62	41.58	24.34	55.15	-	-	P	H
		17780	39.18	-14.82	54	28.41	41.58	24.34	55.15	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	43.29	-30.71	74	44.65	38	18.93	58.29	-	-	P	V
5500MHz		13391	45.83	-28.17	74	43.67	39.02	21.08	57.94	-	-	P	V
		14499	47.77	-26.23	74	43.72	39.6	21.97	57.52	-	-	P	V
		16500	46.59	-21.61	68.2	37.51	42.1	23.29	56.31	-	-	P	V
		17846	49.74	-24.26	74	38.96	41.51	24.39	55.12	-	-	P	V
		17846	39.47	-14.53	54	28.69	41.51	24.39	55.12	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	42.94	-31.06	74	43.85	37.86	19.06	57.83	-	-	P	H
		13358	45.61	-28.39	74	43.42	39.08	21.05	57.94	-	-	P	H
		14499	47.49	-26.51	74	43.44	39.6	21.97	57.52	-	-	P	H
		16740	46.32	-21.88	68.2	36.89	42.14	23.48	56.19	-	-	P	H
		17714	50.21	-23.79	74	39.59	41.51	24.29	55.18	-	-	P	H
		17714	39.88	-14.12	54	29.26	41.51	24.29	55.18	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	44.11	-29.89	74	45.02	37.86	19.06	57.83	-	-	P	V
5580MHz		13369	45.33	-28.67	74	43.15	39.06	21.06	57.94	-	-	P	V
		14499	47.99	-26.01	74	43.94	39.6	21.97	57.52	-	-	P	V
		16740	51.45	-16.75	68.2	42.02	42.14	23.48	56.19	-	-	P	V
		17725	49.89	-24.11	74	39.24	41.53	24.3	55.18	-	-	P	V
		17725	39.51	-14.49	54	28.86	41.53	24.3	55.18	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	43.49	-30.51	74	43.18	38.2	19.25	57.14	-	-	P	H
		13250.5	44.86	-29.14	74	42.79	39.05	20.95	57.93	-	-	P	H
		14499	47.58	-26.42	74	43.53	39.6	21.97	57.52	-	-	P	H
		17100	48.7	-19.5	68.2	39.22	41.6	23.78	55.9	-	-	P	H
		17736	49.03	-24.97	74	38.35	41.54	24.31	55.17	-	-	P	H
		17736	39.25	-14.75	54	28.57	41.54	24.31	55.17	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	43.77	-30.23	74	43.46	38.2	19.25	57.14	-	-	P	V
5700MHz		13314	45.9	-28.1	74	43.65	39.17	21.01	57.93	-	-	P	V
		14499	47.52	-26.48	74	43.47	39.6	21.97	57.52	-	-	P	V
		17100	49.11	-19.09	68.2	39.63	41.6	23.78	55.9	-	-	P	V
		17736	49.63	-24.37	74	38.95	41.54	24.31	55.17	-	-	P	V
		17736	39.34	-14.66	54	28.66	41.54	24.31	55.17	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	52.17	-21.83	74	40.52	34.7	12.08	35.13	335	29	P	H
		5470	58.6	-9.6	68.2	46.94	34.7	12.09	35.13	335	29	P	H
		5458.72	45.03	-8.97	54	33.38	34.7	12.08	35.13	335	29	A	H
	*	5510	108.6	-	-	96.88	34.7	12.14	35.12	335	29	P	H
802.11ax	*	5510	100.6	-	-	88.88	34.7	12.14	35.12	335	29	A	H
HE40 Full		5754.29	50.51	-17.69	68.2	38.17	35.2	12.31	35.17	335	29	P	H
CH 102		5458.72	59.72	-14.28	74	48.07	34.7	12.08	35.13	265	214	P	V
5510MHz		5468.8	66.89	-1.31	68.2	55.23	34.7	12.09	35.13	265	214	P	V
		5459.92	52.15	-1.85	54	40.5	34.7	12.08	35.13	265	214	A	V
	*	5510	115.51	-	-	103.79	34.7	12.14	35.12	331	259	P	V
	*	5510	107.72	-	-	96	34.7	12.14	35.12	331	259	A	V
		5759.645	50.33	-17.87	68.2	37.99	35.2	12.31	35.17	331	259	P	V
		5459.92	54.09	-19.91	74	42.44	34.7	12.08	35.13	279	26	P	H
		5467.84	55.96	-12.24	68.2	44.3	34.7	12.09	35.13	279	26	P	H
		5459.92	45.9	-8.1	54	34.25	34.7	12.08	35.13	279	26	A	H
	*	5550	108.75	-	-	97	34.7	12.18	35.13	279	26	P	H
802.11ax	*	5550	101.01	-	-	89.26	34.7	12.18	35.13	279	26	A	H
HE40 Full		5729.405	50.04	-18.16	68.2	37.82	35.08	12.3	35.16	279	26	P	H
CH 110		5459.44	59.15	-14.85	74	47.5	34.7	12.08	35.13	301	257	P	V
5550MHz		5467.12	61.21	-6.99	68.2	49.55	34.7	12.09	35.13	301	257	P	V
		5459.92	50.75	-3.25	54	39.1	34.7	12.08	35.13	301	257	A	V
	*	5550	116.13	-	-	104.38	34.7	12.18	35.13	359	256	P	V
	*	5550	105.94	-	-	94.19	34.7	12.18	35.13	359	256	A	V
		5741.69	50.97	-17.23	68.2	38.69	35.15	12.3	35.17	359	256	P	V

		5442.4	49.51	-24.49	74	37.89	34.7	12.06	35.14	354	40	P	H
		5460.95	48.27	-19.93	68.2	36.62	34.7	12.08	35.13	354	40	P	H
		5459.55	39.97	-14.03	54	28.32	34.7	12.08	35.13	354	40	A	H
	*	5670	108.48	-	-	96.58	34.78	12.27	35.15	354	40	P	H
802.11ax	*	5670	101.2	-	-	89.3	34.78	12.27	35.15	354	40	A	H
HE40 Full		5731.05	61.45	-6.75	68.2	49.23	35.09	12.3	35.17	354	40	P	H
CH 134		5378	50.56	-23.44	74	39.07	34.66	12	35.17	395	259	P	V
5670MHz		5462	49.75	-18.45	68.2	38.1	34.7	12.08	35.13	395	259	P	V
		5459.55	42.11	-11.89	54	30.46	34.7	12.08	35.13	395	259	A	V
	*	5670	116.1	-	-	104.2	34.78	12.27	35.15	365	259	P	V
	*	5670	108.38	-	-	96.48	34.78	12.27	35.15	365	259	A	V
		5730.525	67.21	-0.99	68.2	55	35.08	12.3	35.17	395	259	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	46.39	-27.61	74	47.71	37.96	18.95	58.23	-	-	P	H
		13358	48.68	-25.32	74	46.49	39.08	21.05	57.94	-	-	P	H
		13358	38.42	-15.58	54	36.23	39.08	21.05	57.94	-	-	A	H
		14499	48.67	-25.33	74	44.62	39.6	21.97	57.52	-	-	P	H
		14499	38.38	-15.62	54	34.33	39.6	21.97	57.52	-	-	A	H
		16530	49.15	-19.05	68.2	40.15	41.98	23.31	56.29	-	-	P	H
		17714	51.7	-22.3	74	41.08	41.51	24.29	55.18	-	-	P	H
		17714	41.5	-12.5	54	30.88	41.51	24.29	55.18	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	45.46	-28.54	74	46.78	37.96	18.95	58.23	-	-	P	V
5510MHz		13325	48.62	-25.38	74	46.39	39.15	21.02	57.94	-	-	P	V
		13325	38.29	-15.71	54	36.06	39.15	21.02	57.94	-	-	A	V
		14499	48.29	-25.71	74	44.24	39.6	21.97	57.52	-	-	P	V
		14499	38.07	-15.93	54	34.02	39.6	21.97	57.52	-	-	A	V
		16530	49.87	-18.33	68.2	40.87	41.98	23.31	56.29	-	-	P	V
		17780	52.47	-21.53	74	41.7	41.58	24.34	55.15	-	-	P	V
		17780	41.82	-12.18	54	31.05	41.58	24.34	55.15	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	45.08	-28.92	74	46.26	37.8	19.02	58	-	-	P	H
		13336	48.48	-25.52	74	46.26	39.13	21.03	57.94	-	-	P	H
		13336	38.22	-15.78	54	36	39.13	21.03	57.94	-	-	A	H
		14499	48.73	-25.27	74	44.68	39.6	21.97	57.52	-	-	P	H
		14499	38.56	-15.44	54	34.51	39.6	21.97	57.52	-	-	A	H
		16650	48.87	-19.33	68.2	39.8	41.9	23.4	56.23	-	-	P	H
		17824	51.71	-22.29	74	40.92	41.55	24.37	55.13	-	-	P	H
		17824	41.39	-12.61	54	30.6	41.55	24.37	55.13	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	45.31	-28.69	74	46.49	37.8	19.02	58	-	-	P	V
5550MHz		13402	47.76	-20.44	68.2	45.62	39	21.09	57.95	-	-	P	V
		14499	48.5	-25.5	74	44.45	39.6	21.97	57.52	-	-	P	V
		14499	38.14	-15.86	54	34.09	39.6	21.97	57.52	-	-	A	V
		16650	49.5	-18.7	68.2	40.43	41.9	23.4	56.23	-	-	P	V
		17780	52.2	-21.8	74	41.43	41.58	24.34	55.15	-	-	P	V
		17780	41.6	-12.4	54	30.83	41.58	24.34	55.15	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	44.63	-29.37	74	44.59	38.14	19.21	57.31	-	-	P	H
		13358	48.44	-25.56	74	46.25	39.08	21.05	57.94	-	-	P	H
		13358	38.17	-15.83	54	35.98	39.08	21.05	57.94	-	-	A	H
		14499	48.7	-25.3	74	44.65	39.6	21.97	57.52	-	-	P	H
		14499	38.36	-15.64	54	34.31	39.6	21.97	57.52	-	-	A	H
		17010	50	-18.2	68.2	40.64	41.69	23.7	56.03	-	-	P	H
		17780	51.61	-22.39	74	40.84	41.58	24.34	55.15	-	-	P	H
		17780	41.28	-12.72	54	30.51	41.58	24.34	55.15	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	45.59	-28.41	74	45.55	38.14	19.21	57.31	-	-	P	V
5670MHz		13399.5	48.5	-25.5	74	46.36	39	21.09	57.95	-	-	P	V
		13399.5	38.2	-15.8	54	36.06	39	21.09	57.95	-	-	A	V
		14499	48.6	-25.4	74	44.55	39.6	21.97	57.52	-	-	P	V
		14499	38.37	-15.63	54	34.32	39.6	21.97	57.52	-	-	A	V
		17010	49.88	-18.32	68.2	40.52	41.69	23.7	56.03	-	-	P	V
		17758	52.14	-21.86	74	41.42	41.56	24.32	55.16	-	-	P	V
		17758	41.82	-12.18	54	31.1	41.56	24.32	55.16	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.96	54.83	-19.17	74	43.18	34.7	12.08	35.13	330	28	P	H
		5467.84	56.66	-11.54	68.2	45	34.7	12.09	35.13	330	28	P	H
		5459.92	47.65	-6.35	54	36	34.7	12.08	35.13	330	28	A	H
	*	5530	103.85	-	-	92.12	34.7	12.16	35.13	330	28	P	H
802.11ax	*	5530	96.07	-	-	84.34	34.7	12.16	35.13	330	28	A	H
HE80 Full		5759.96	49.41	-18.79	68.2	37.07	35.2	12.31	35.17	330	28	P	H
CH 106		5453.44	60.27	-13.73	74	48.63	34.7	12.07	35.13	268	227	P	V
5530MHz		5463.04	62.92	-5.28	68.2	51.27	34.7	12.08	35.13	268	227	P	V
		5452.96	51.96	-2.04	54	40.32	34.7	12.07	35.13	268	227	A	V
	*	5530	110.44	-	-	98.71	34.7	12.16	35.13	362	254	P	V
	*	5530	103.31	-	-	91.58	34.7	12.16	35.13	362	254	A	V
		5759.96	51.11	-17.09	68.2	38.77	35.2	12.31	35.17	268	227	P	V
		5455.35	57.11	-16.89	74	45.47	34.7	12.07	35.13	382	23	P	H
		5465.5	57.48	-10.72	68.2	45.82	34.7	12.09	35.13	382	23	P	H
		5459.9	48.9	-5.1	54	37.25	34.7	12.08	35.13	382	23	A	H
	*	5610	107.23	-	-	95.43	34.7	12.24	35.14	382	360	P	H
802.11ax	*	5610	100.3	-	-	88.5	34.7	12.24	35.14	382	360	A	H
HE80 Full		5731.925	63.73	-4.47	68.2	51.51	35.09	12.3	35.17	382	360	P	H
CH 122		5458.5	61.93	-12.07	74	50.28	34.7	12.08	35.13	332	334	P	V
5610MHz		5470	63.36	-4.84	68.2	51.7	34.7	12.09	35.13	332	334	P	V
		5457.1	52.92	-1.08	54	41.27	34.7	12.08	35.13	332	334	A	V
	*	5610	115.4	-	-	103.6	34.7	12.24	35.14	318	259	P	V
	*	5610	107.6	-	-	95.8	34.7	12.24	35.14	318	259	A	V
		5727.375	66.61	-1.59	68.2	54.41	35.06	12.3	35.16	332	334	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	44.81	-29.19	74	46.07	37.88	18.98	58.12	-	-	P	H
		13369	47.22	-26.78	74	45.04	39.06	21.06	57.94	-	-	P	H
		14491	49.66	-24.34	74	45.64	39.58	21.96	57.52	-	-	P	H
		14491	38.27	-15.73	54	34.25	39.58	21.96	57.52	-	-	A	H
		16590	47.57	-20.63	68.2	38.73	41.74	23.36	56.26	-	-	P	H
		17923	51.04	-22.96	74	40.25	41.42	24.46	55.09	-	-	P	H
		17923	40.85	-13.15	54	30.06	41.42	24.46	55.09	-	-	A	H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	44.55	-29.45	74	45.81	37.88	18.98	58.12	-	-	P	V
5530MHz		13369	47.96	-26.04	74	45.78	39.06	21.06	57.94	-	-	P	V
		14491	48.22	-25.78	74	44.2	39.58	21.96	57.52	-	-	P	V
		14491	37.88	-16.12	54	33.86	39.58	21.96	57.52	-	-	A	V
		16590	47.62	-20.58	68.2	38.78	41.74	23.36	56.26	-	-	P	V
		17846	51.87	-22.13	74	41.09	41.51	24.39	55.12	-	-	P	V
		17846	41.53	-12.47	54	30.75	41.51	24.39	55.12	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	45.19	-28.81	74	45.8	37.94	19.11	57.66	-	-	P	H
		13380	47.79	-26.21	74	45.62	39.04	21.07	57.94	-	-	P	H
		14480	48.47	-25.53	74	44.48	39.56	21.96	57.53	-	-	P	H
		14480	38.51	-15.49	54	34.52	39.56	21.96	57.53	-	-	A	H
		16830	50.02	-18.18	68.2	40.41	42.2	23.55	56.14	-	-	P	H
		17736	51.18	-22.82	74	40.5	41.54	24.31	55.17	-	-	P	H
		17736	41.53	-12.47	54	30.85	41.54	24.31	55.17	-	-	A	H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	45.66	-28.34	74	46.27	37.94	19.11	57.66	-	-	P	V
5610MHz		13402	47.37	-20.83	68.2	45.23	39	21.09	57.95	-	-	P	V
		14491	47.98	-26.02	74	43.96	39.58	21.96	57.52	-	-	P	V
		16830	50.65	-17.55	68.2	41.04	42.2	23.55	56.14	-	-	P	V
		17967	51.39	-22.61	74	40.5	41.47	24.49	55.07	-	-	P	V
		17967	41.79	-12.21	54	30.9	41.47	24.49	55.07	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5428.72	54.96	-19.04	74	43.36	34.7	12.04	35.14	296	37	P	H
		5469.52	56.36	-11.84	68.2	44.7	34.7	12.09	35.13	296	37	P	H
		5459.68	46.88	-7.12	54	35.23	34.7	12.08	35.13	296	37	A	H
	*	5570	101.79	-	-	90.01	34.7	12.21	35.13	296	37	P	H
802.11ax	*	5570	93.39	-	-	81.61	34.7	12.21	35.13	296	37	A	H
HE160 Full		5733.815	52.73	-15.47	68.2	40.5	35.1	12.3	35.17	296	37	P	H
CH 114		5436.64	61.27	-12.73	74	49.66	34.7	12.05	35.14	358	278	P	V
5570MHz		5465.44	61.58	-6.62	68.2	49.92	34.7	12.09	35.13	358	278	P	V
		5455.36	53.3	-0.7	54	41.66	34.7	12.07	35.13	358	278	A	V
	*	5570	108.47	-	-	96.69	34.7	12.21	35.13	358	278	P	V
	*	5570	101.02	-	-	89.24	34.7	12.21	35.13	358	278	A	V
		5734.76	57.53	-10.67	68.2	45.29	35.11	12.3	35.17	358	278	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11140	45.17	-28.83	74	46.17	37.84	19.05	57.89	-	-	P	H
		13336	47.62	-26.38	74	45.4	39.13	21.03	57.94	-	-	P	H
		14499	48.07	-25.93	74	44.02	39.6	21.97	57.52	-	-	P	H
		14499	38.14	-15.86	54	34.09	39.6	21.97	57.52	-	-	A	H
		16710	49.2	-19	68.2	39.83	42.11	23.46	56.2	-	-	P	H
		17758	50.87	-23.13	74	40.15	41.56	24.32	55.16	-	-	P	H
		17758	41.54	-12.46	54	30.82	41.56	24.32	55.16	-	-	A	H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 114		11140	44.52	-29.48	74	45.52	37.84	19.05	57.89	-	-	P	V
5570MHz		13380	47.1	-26.9	74	44.93	39.04	21.07	57.94	-	-	P	V
		14499	48.37	-25.63	74	44.32	39.6	21.97	57.52	-	-	P	V
		14499	38.32	-15.68	54	34.27	39.6	21.97	57.52	-	-	A	V
		16710	49.52	-18.68	68.2	40.15	42.11	23.46	56.2	-	-	P	V
		17967	51.39	-22.61	74	40.5	41.47	24.49	55.07	-	-	P	V
		17967	41.96	-12.04	54	31.07	41.47	24.49	55.07	-	-	A	V
													V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5446.33	48.67	-25.33	74	37.05	34.7	12.06	35.14	390	17	P	H
		5470	48.77	-19.43	68.2	37.11	34.7	12.09	35.13	390	17	P	H
		5433.85	40.61	-13.39	54	29	34.7	12.05	35.14	390	17	A	H
	*	5720	113.82	-	-	101.67	35.02	12.29	35.16	387	1	P	H
	*	5720	106.78	-	-	94.63	35.02	12.29	35.16	387	1	A	H
		5881.5	51.33	-16.87	68.2	38.87	35.2	12.45	35.19	387	1	P	H
		5415.91	49.66	-24.34	74	38.09	34.7	12.03	35.16	378	256	P	V
		5460.37	48.57	-19.63	68.2	36.92	34.7	12.08	35.13	378	256	P	V
		5432.68	42.76	-11.24	54	31.15	34.7	12.05	35.14	378	256	A	V
	*	5720	119.75	-	-	107.6	35.02	12.29	35.16	397	243	P	V
	*	5720	113.11	-	-	100.96	35.02	12.29	35.16	397	243	A	V
		5926.75	51.57	-16.63	68.2	39.11	35.15	12.51	35.2	397	243	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	46.71	-27.29	74	46.29	38.16	19.28	57.02	-	-	P	H
		13380	47.47	-26.53	74	45.3	39.04	21.07	57.94	-	-	P	H
		14502	47.92	-20.28	68.2	43.86	39.6	21.98	57.52	-	-	P	H
		17160	51.82	-16.38	68.2	42.25	41.54	23.83	55.8	-	-	P	H
		17791	51.38	-22.62	74	40.59	41.59	24.35	55.15	-	-	P	H
		17791	41.8	-12.2	54	31.01	41.59	24.35	55.15	-	-	A	H
													H
													H
													H
													H
													H
													H
		11440	46.26	-27.74	74	45.84	38.16	19.28	57.02	-	-	P	V
		13380	47.89	-26.11	74	45.72	39.04	21.07	57.94	-	-	P	V
		14480	47.76	-26.24	74	43.77	39.56	21.96	57.53	-	-	P	V
		17160	54.22	-13.98	68.2	44.65	41.54	23.83	55.8	-	-	P	V
		17780	51.97	-22.03	74	41.2	41.58	24.34	55.15	-	-	P	V
		17780	41.66	-12.34	54	30.89	41.58	24.34	55.15	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 144 5720MHz		5402.26	49.96	-24.04	74	38.41	34.7	12.01	35.16	383	0	P	H
		5465.44	48.04	-20.16	68.2	36.38	34.7	12.09	35.13	383	0	P	H
		5433.46	40.13	-13.87	54	28.52	34.7	12.05	35.14	383	0	A	H
	*	5720	113.6	-	-	101.45	35.02	12.29	35.16	383	0	P	H
	*	5720	105.21	-	-	93.06	35.02	12.29	35.16	383	0	A	H
		5931	50.35	-17.85	68.2	37.89	35.14	12.52	35.2	383	0	P	H
		5452.18	49.33	-24.67	74	37.69	34.7	12.07	35.13	362	246	P	V
		5460.76	48.58	-19.62	68.2	36.93	34.7	12.08	35.13	362	246	P	V
		5430.73	42.29	-11.71	54	30.68	34.7	12.05	35.14	362	246	A	V
	*	5720	121.84	-	-	109.69	35.02	12.29	35.16	397	254	P	V
	*	5720	112.75	-	-	100.6	35.02	12.29	35.16	397	254	A	V
		5874	50.36	-17.84	68.2	37.91	35.2	12.44	35.19	397	254	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	45.58	-28.42	74	45.16	38.16	19.28	57.02	-	-	P	H
		13369	47.1	-26.9	74	44.92	39.06	21.06	57.94	-	-	P	H
		14499	47.92	-26.08	74	43.87	39.6	21.97	57.52	-	-	P	H
		17160	51.19	-17.01	68.2	41.62	41.54	23.83	55.8	-	-	P	H
		17824	51.77	-22.23	74	40.98	41.55	24.37	55.13	-	-	P	H
		17824	41.28	-12.72	54	30.49	41.55	24.37	55.13	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	46.78	-27.22	74	46.36	38.16	19.28	57.02	-	-	P	V
5720MHz		13391	47.12	-26.88	74	44.96	39.02	21.08	57.94	-	-	P	V
		14499	47.21	-26.79	74	43.16	39.6	21.97	57.52	-	-	P	V
		17160	55.46	-12.74	68.2	45.89	41.54	23.83	55.8	-	-	P	V
		17780	51.85	-22.15	74	41.08	41.58	24.34	55.15	-	-	P	V
		17780	41.43	-12.57	54	30.66	41.58	24.34	55.15	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5408.89	49.48	-24.52	74	37.92	34.7	12.02	35.16	280	26	P	H
		5469.73	47.44	-20.76	68.2	35.78	34.7	12.09	35.13	280	26	P	H
		5438.53	39.99	-14.01	54	28.38	34.7	12.05	35.14	280	26	A	H
	*	5710	110.13	-	-	98.04	34.96	12.29	35.16	280	26	P	H
	*	5710	101.63	-	-	89.54	34.96	12.29	35.16	280	26	A	H
		5943	51.41	-16.79	68.2	38.96	35.11	12.54	35.2	280	26	P	H
		5441.65	49.49	-24.51	74	37.87	34.7	12.06	35.14	321	217	P	V
		5463.1	48.19	-20.01	68.2	36.54	34.7	12.08	35.13	321	217	P	V
		5424.1	40.77	-13.23	54	29.19	34.7	12.04	35.16	321	217	A	V
	*	5710	116.08	-	-	103.99	34.96	12.29	35.16	321	217	P	V
	*	5710	106.91	-	-	94.82	34.96	12.29	35.16	321	217	A	V
		5880	51.99	-16.21	68.2	39.53	35.2	12.45	35.19	321	217	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	46	-28	74	45.63	38.18	19.27	57.08	-	-	P	H
		13369	48.6	-25.4	74	46.42	39.06	21.06	57.94	-	-	P	H
		13369	38.39	-15.61	54	36.21	39.06	21.06	57.94	-	-	A	H
		14499	48.22	-25.78	74	44.17	39.6	21.97	57.52	-	-	P	H
		14499	38.07	-15.93	54	34.02	39.6	21.97	57.52	-	-	A	H
		17130	50.07	-18.13	68.2	40.54	41.57	23.81	55.85	-	-	P	H
		17846	52.08	-21.92	74	41.3	41.51	24.39	55.12	-	-	P	H
		17846	41.7	-12.3	54	30.92	41.51	24.39	55.12	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	45.54	-28.46	74	45.17	38.18	19.27	57.08	-	-	P	V
5710MHz		13336	47.7	-26.3	74	45.48	39.13	21.03	57.94	-	-	P	V
		14499	48.27	-25.73	74	44.22	39.6	21.97	57.52	-	-	P	V
		14499	37.85	-16.15	54	33.8	39.6	21.97	57.52	-	-	A	V
		17130	50.51	-17.69	68.2	40.98	41.57	23.81	55.85	-	-	P	V
		17736	51.87	-22.13	74	41.19	41.54	24.31	55.17	-	-	P	V
		17736	41.59	-12.41	54	30.91	41.54	24.31	55.17	-	-	A	V
													V
													V
													V
													V
													V

Remark

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

Band 3 Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5423.32	48.54	-25.46	74	36.96	34.7	12.04	35.16	390	360	P	H
		5462.32	50.02	-18.18	68.2	38.37	34.7	12.08	35.13	390	360	P	H
		5459.59	40.66	-13.34	54	29.01	34.7	12.08	35.13	390	360	A	H
	*	5690	109.44	-	-	97.46	34.86	12.28	35.16	390	360	P	H
802.11ax	*	5690	101.38	-	-	89.4	34.86	12.28	35.16	390	360	A	H
HE80 Full		5859.1	54.64	-13.56	68.2	42.21	35.2	12.42	35.19	390	360	P	H
CH 138		5440.87	51.47	-22.53	74	39.85	34.7	12.06	35.14	381	258	P	V
5690MHz		5470	52.79	-15.41	68.2	41.13	34.7	12.09	35.13	381	258	P	V
		5459.98	44.1	-9.9	54	32.45	34.7	12.08	35.13	381	258	A	V
	*	5690	115.18	-	-	103.2	34.86	12.28	35.16	381	258	P	V
	*	5690	108.28	-	-	96.3	34.86	12.28	35.16	381	258	A	V
		5852.5	60.39	-7.81	68.2	47.96	35.2	12.41	35.18	381	258	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	44.84	-29.16	74	44.62	38.18	19.24	57.2	-	-	P	H
		13347	47.58	-26.42	74	45.37	39.11	21.04	57.94	-	-	P	H
		14499	48.81	-25.19	74	44.76	39.6	21.97	57.52	-	-	P	H
		14499	38.37	-15.63	54	34.32	39.6	21.97	57.52	-	-	A	H
		17070	49.24	-18.96	68.2	39.8	41.63	23.75	55.94	-	-	P	H
		17923	51.26	-22.74	74	40.47	41.42	24.46	55.09	-	-	P	H
		17923	41.34	-12.66	54	30.55	41.42	24.46	55.09	-	-	A	H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	45.29	-28.71	74	45.07	38.18	19.24	57.2	-	-	P	V
5690MHz		13358	47.18	-26.82	74	44.99	39.08	21.05	57.94	-	-	P	V
		14491	48.5	-25.5	74	44.48	39.58	21.96	57.52	-	-	P	V
		14491	38.28	-15.72	54	34.26	39.58	21.96	57.52	-	-	A	V
		17070	49.56	-18.64	68.2	40.12	41.63	23.75	55.94	-	-	P	V
		17912	51.23	-22.77	74	40.46	41.41	24.45	55.09	-	-	P	V
		17912	41.41	-12.59	54	30.64	41.41	24.45	55.09	-	-	A	V
													V
													V
													V
													V
													V

Remark

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

Band 1 - 5150~5250MHz

Emission above 18GHz

WIFI 802.11ax HE40 Full (SHF @ 1m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full SHF		39934	45.51	-28.49	74	44.44	44.6	14.8	58.33	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39758	45.9	-28.1	74	45.24	44.6	14.74	58.68	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

Emission above 18GHz

WIFI 802.11ax HE160 Full (SHF @ 1m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full SHF		39890	45.94	-28.06	74	44.97	44.6	14.79	58.42	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39780	46.74	-27.26	74	46.04	44.6	14.74	58.64	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

Emission above 18GHz

WIFI 802.11ax HE160 Full (SHF @ 1m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full SHF		39516	45.4	-28.6	74	45.51	44.42	14.64	59.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39934	45.85	-28.15	74	44.78	44.6	14.8	58.33	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 - 5150~5250MHz

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		31.35	24.27	-15.73	40	29.73	23.65	0.99	30.1	-	-	P	H
		58.08	26.53	-13.47	40	43.42	11.87	1.28	30.04	-	-	P	H
		125.04	32.42	-11.08	43.5	42.89	17.52	1.94	29.93	-	-	P	H
		726.3	35.45	-10.55	46	33.48	26.75	4.71	29.49	-	-	P	H
		869.1	32.47	-13.53	46	27.4	28.78	5.25	28.96	-	-	P	H
		956.6	34.36	-11.64	46	26.79	30.63	5.57	28.63	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	32.53	-7.47	40	37.06	24.57	1.01	30.11	100	0	Q	V
		30	37.4	-2.6	40	41.93	24.57	1.01	30.11	100	0	P	V
		57.81	31.72	-8.28	40	48.54	11.94	1.28	30.04	100	179	Q	V
		57.81	37.03	-2.97	40	53.85	11.94	1.28	30.04	100	179	P	V
		125.04	33.81	-9.69	43.5	44.28	17.52	1.94	29.93	-	-	P	V
		852.3	31.92	-14.08	46	27.1	28.72	5.15	29.05	-	-	P	V
		898.5	33	-13	46	27.77	28.61	5.44	28.82	-	-	P	V
		955.9	33.46	-12.54	46	25.93	30.59	5.57	28.63	-	-	P	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.

Band 2 5250~5350MHz

Emission below 1GHz

WIFI 802.11ax HE160 Full (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full LF		30.27	25.37	-14.63	40	30.1	24.37	1.01	30.11	-	-	P	H
		48.36	27.47	-12.53	40	41.44	14.95	1.12	30.04	-	-	P	H
		125.04	32.97	-10.53	43.5	43.44	17.52	1.94	29.93	-	-	P	H
		729.1	32.94	-13.06	46	30.81	26.89	4.72	29.48	-	-	P	H
		922.3	32.82	-13.18	46	27.07	28.99	5.5	28.74	-	-	P	H
		958.7	34.5	-11.5	46	26.79	30.75	5.58	28.62	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	31.75	-8.25	40	36.28	24.57	1.01	30.11	100	20	Q	V
		58.08	31.44	-8.56	40	48.33	11.87	1.28	30.04	100	199	Q	V
		125.04	33.99	-9.51	43.5	44.46	17.52	1.94	29.93	-	-	P	V
		865.6	32.49	-13.51	46	27.33	28.91	5.23	28.98	-	-	P	V
		903.4	35.69	-10.31	46	30.4	28.62	5.47	28.8	-	-	P	V
		957.3	34.36	-11.64	46	26.74	30.67	5.58	28.63	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

Emission below 1GHz

WIFI 802.11ax HE160 Full (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full LF		31.62	24.57	-15.43	40	30.16	23.52	0.99	30.1	-	-	P	H
		57.81	25.39	-14.61	40	42.21	11.94	1.28	30.04	-	-	P	H
		125.04	32.76	-10.74	43.5	43.23	17.52	1.94	29.93	-	-	P	H
		715.1	33.08	-12.92	46	31.66	26.26	4.67	29.51	-	-	P	H
		939.8	33.31	-12.69	46	26.72	29.73	5.54	28.68	-	-	P	H
		951	34.27	-11.73	46	27.01	30.36	5.55	28.65	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.54	32.21	-7.79	40	37.15	24.17	1	30.11	100	17	Q	V
		57.54	31.99	-8.01	40	48.74	12.01	1.28	30.04	100	182	Q	V
		125.04	33.65	-9.85	43.5	44.12	17.52	1.94	29.93	-	-	P	V
		881.7	32.45	-13.55	46	27.32	28.69	5.34	28.9	-	-	P	V
		905.5	32.53	-13.47	46	27.22	28.63	5.47	28.79	-	-	P	V
		955.2	34.53	-11.47	46	27.04	30.55	5.57	28.63	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

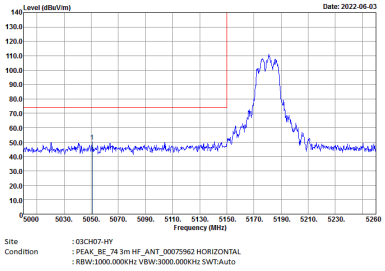
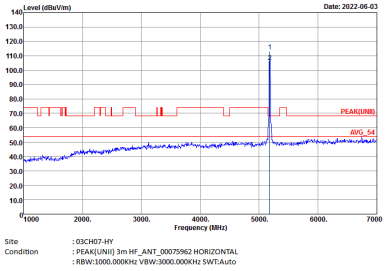
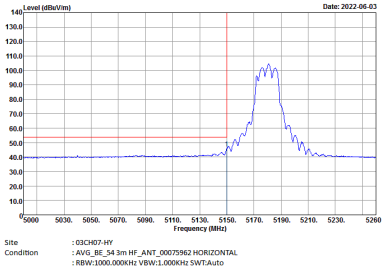
Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	**Temperature :**	23.6~27.5°C
		Relative Humidity :	55.6~61.8%

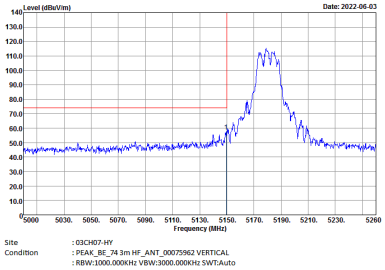
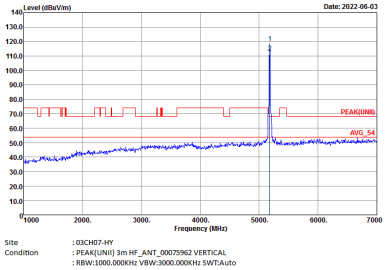
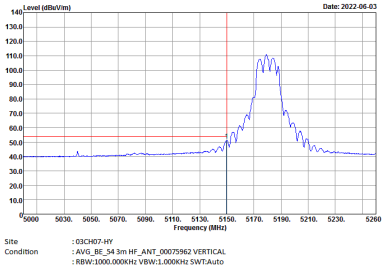
Note symbol

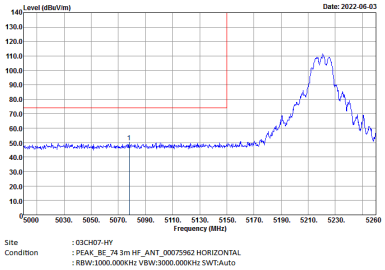
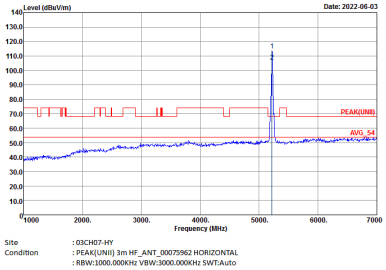
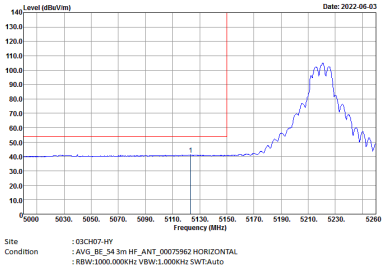
-L	**Low channel location**
-R	**High channel location**

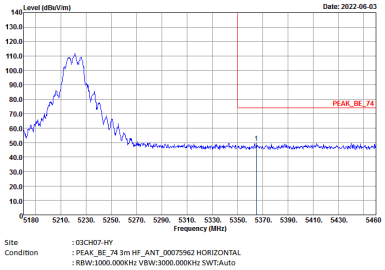
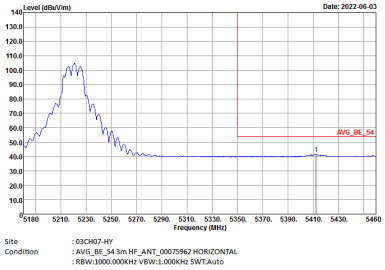
Band 1 - 5150~5250MHz

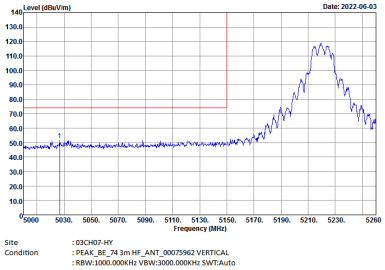
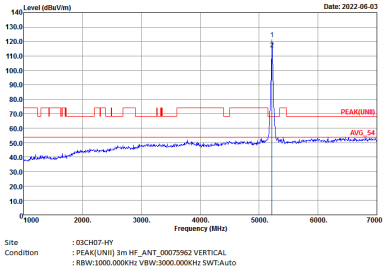
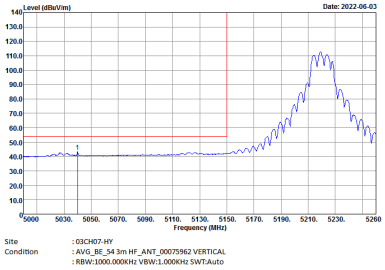
WIFI 802.11a (Band Edge @ 3m)

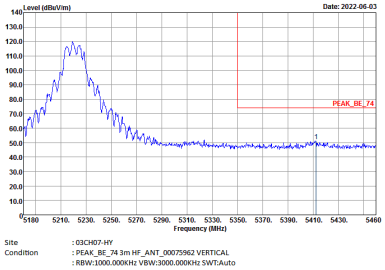
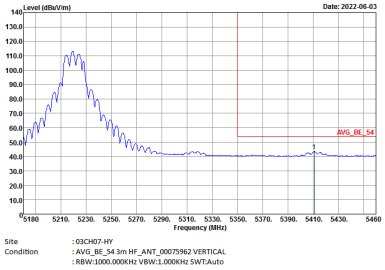
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

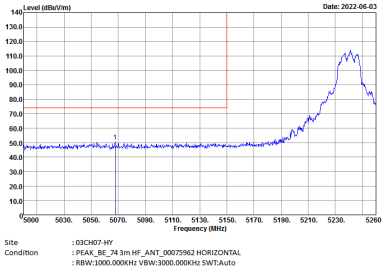
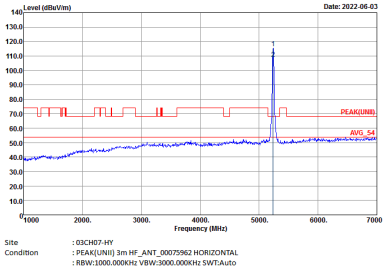
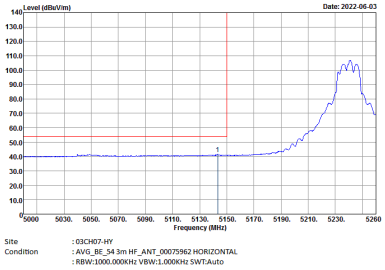
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

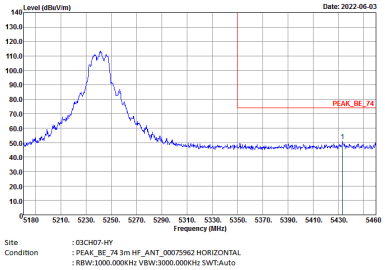
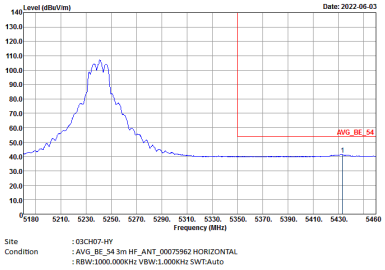
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

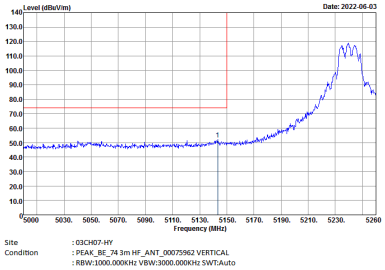
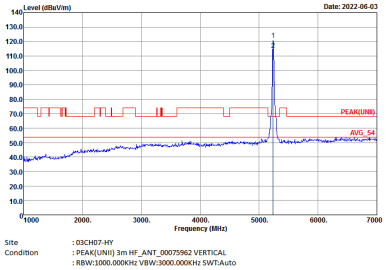
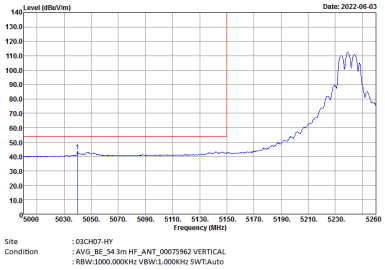
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

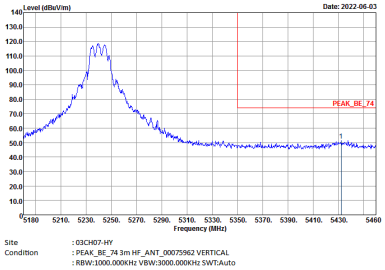
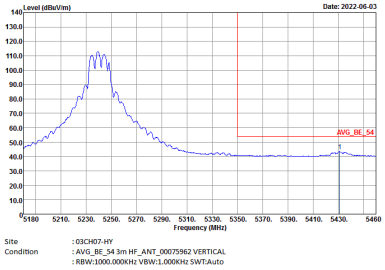
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

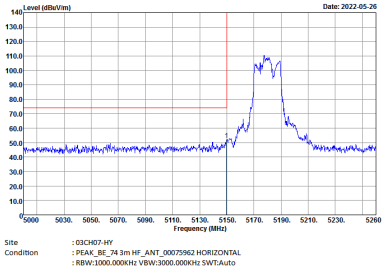
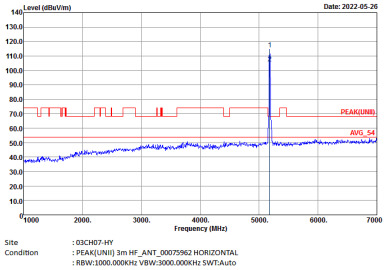
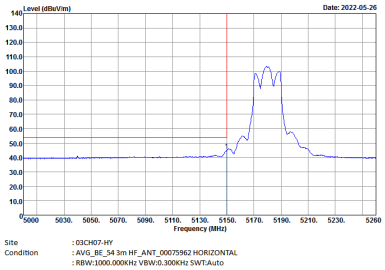
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

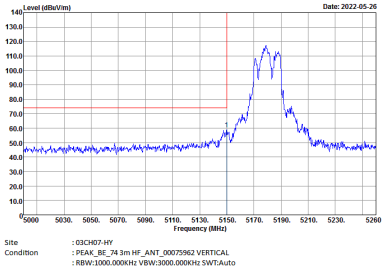
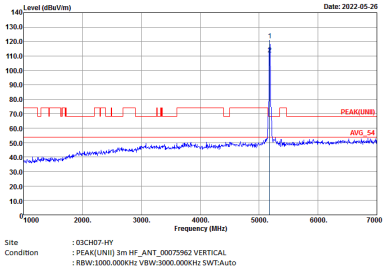
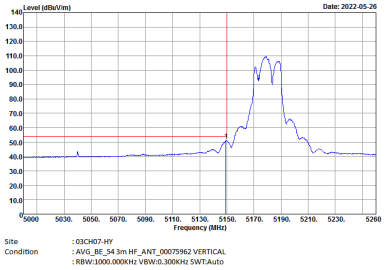
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

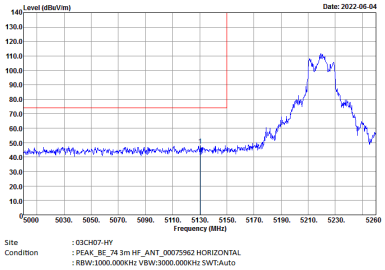
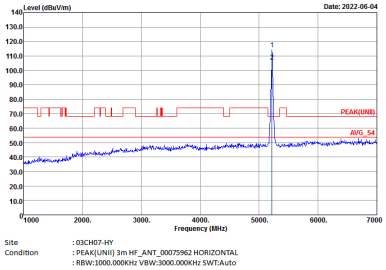
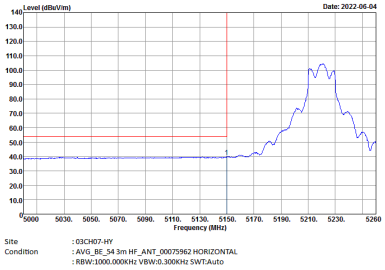
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

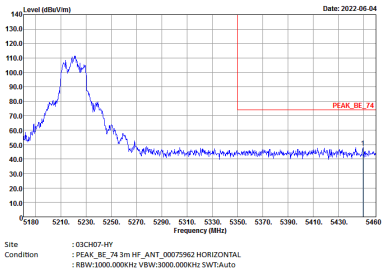
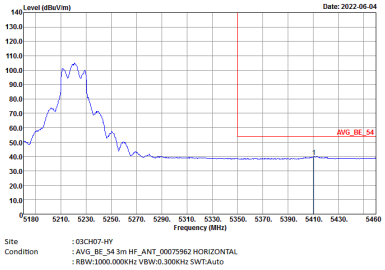
Band 1 5150~5250MHz

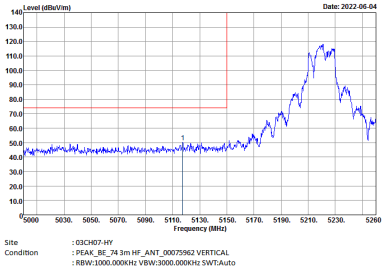
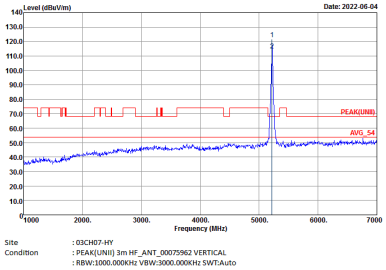
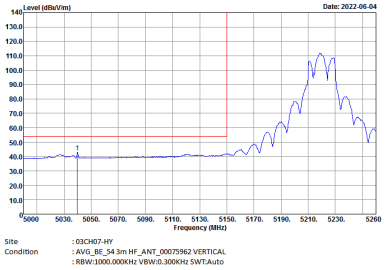
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

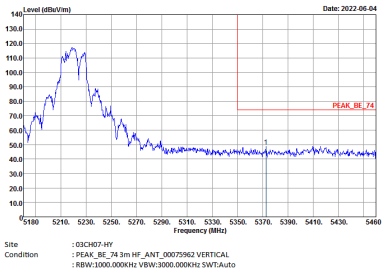
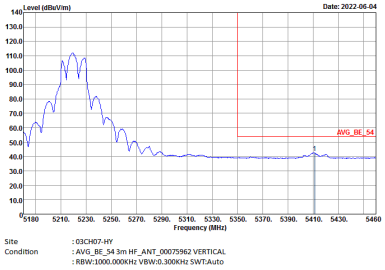
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

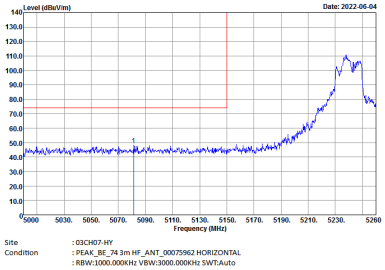
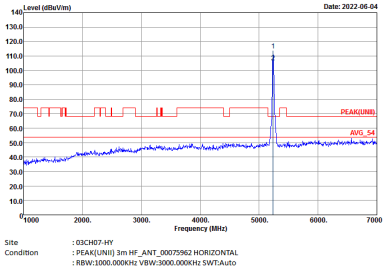
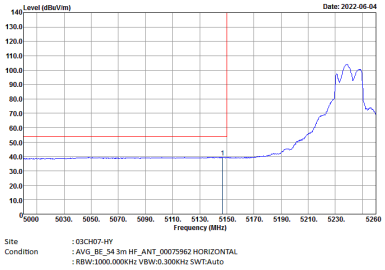
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

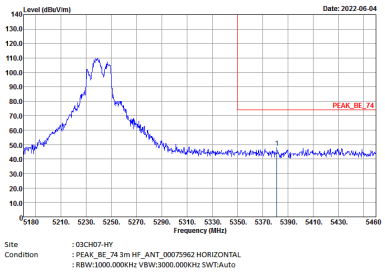
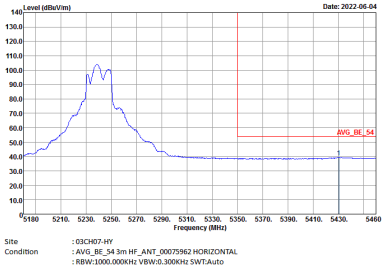
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

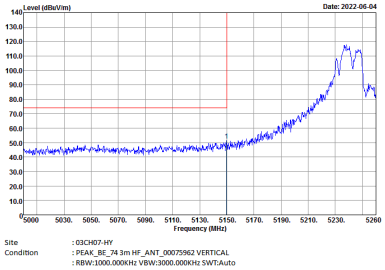
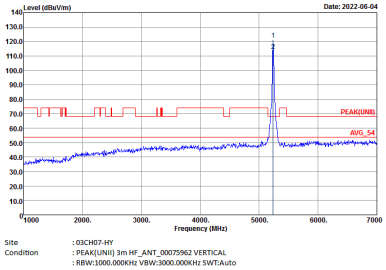
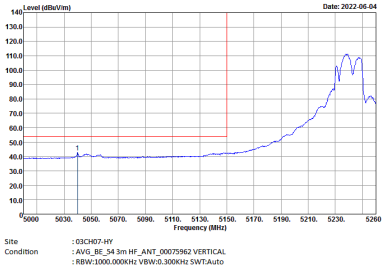
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

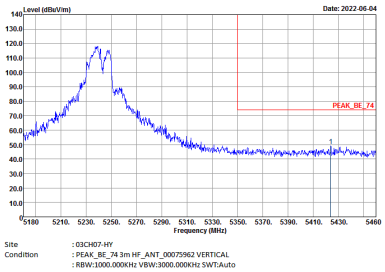
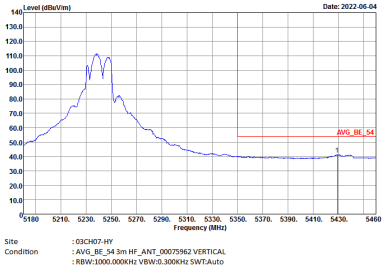
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

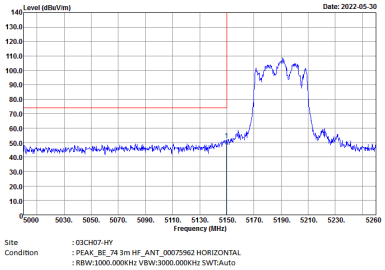
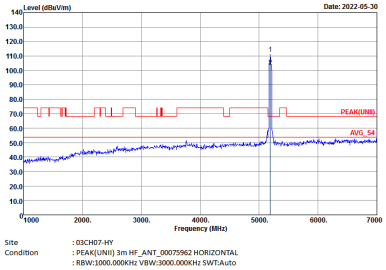
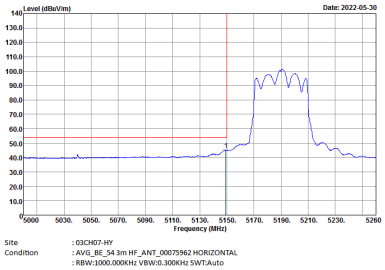
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

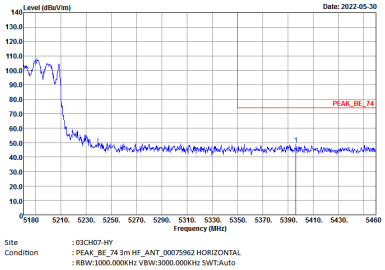
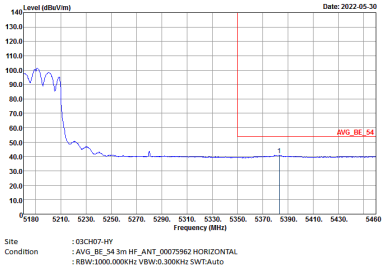
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

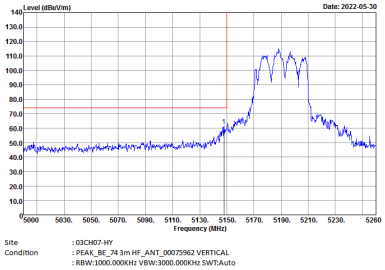
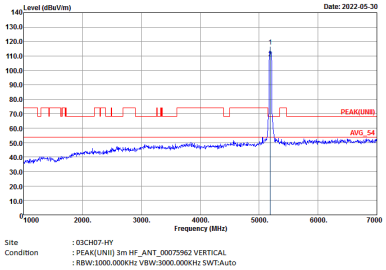
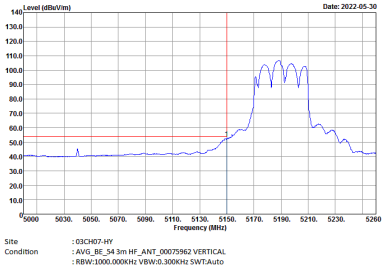
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

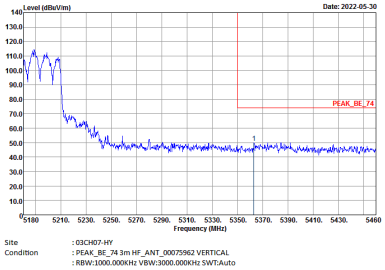
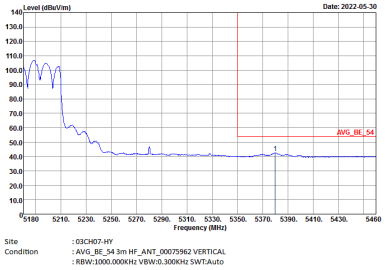
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

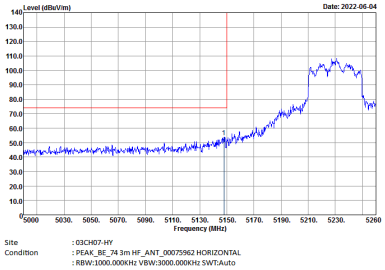
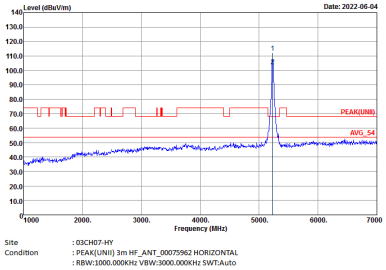
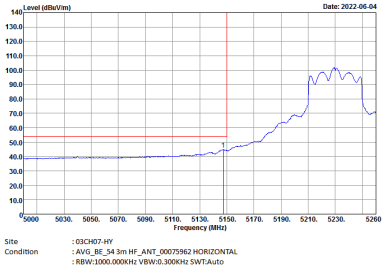
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

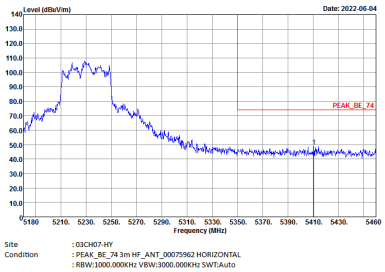
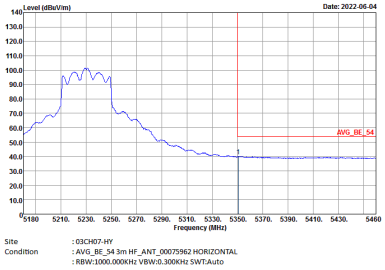
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

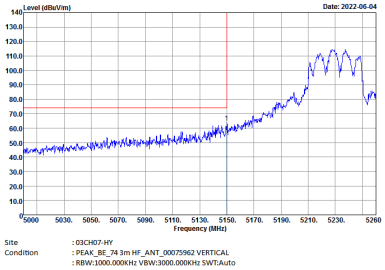
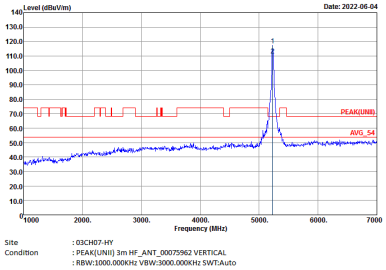
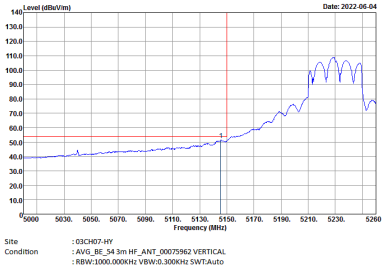
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

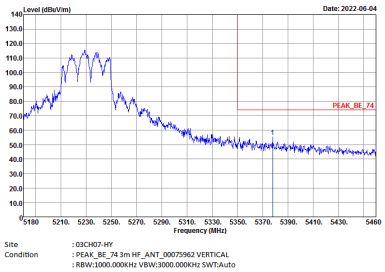
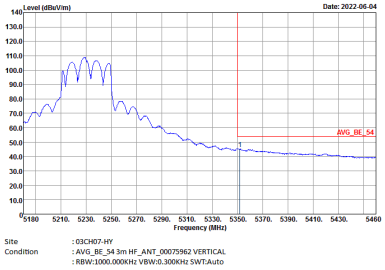
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

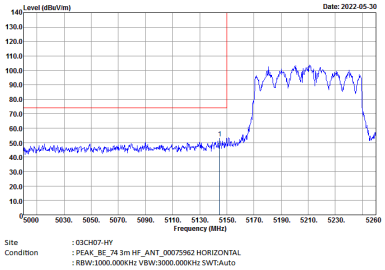
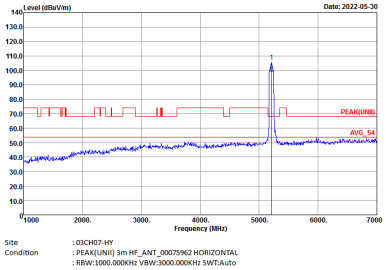
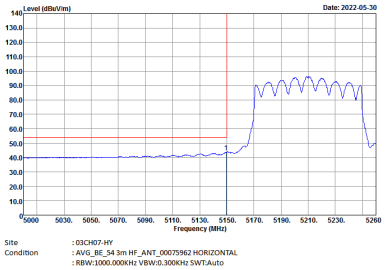
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

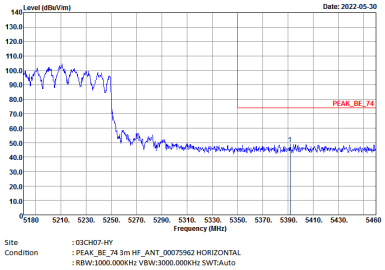
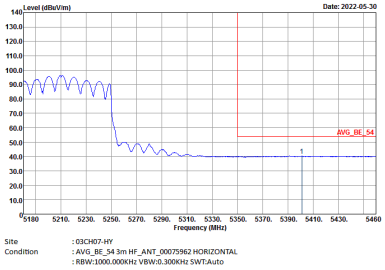
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

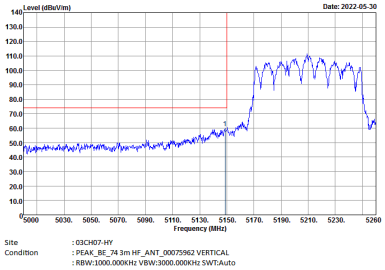
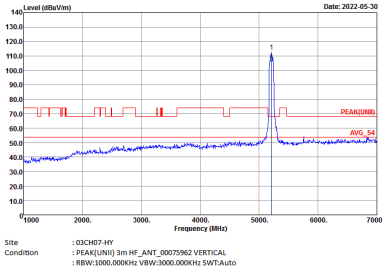
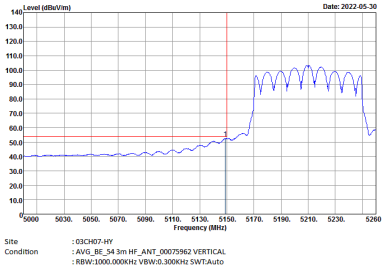
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

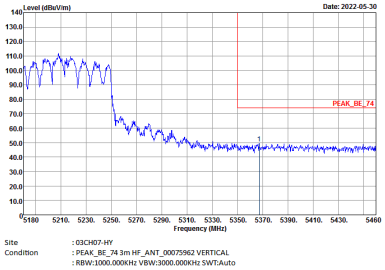
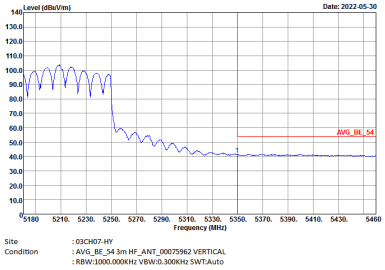
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

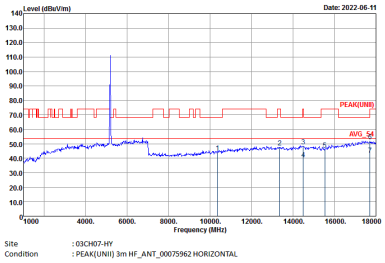
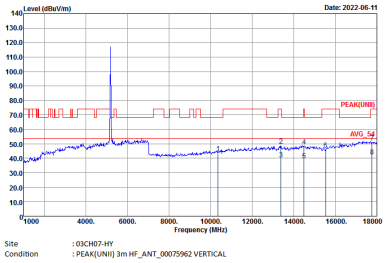
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

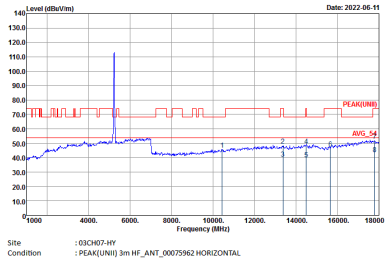
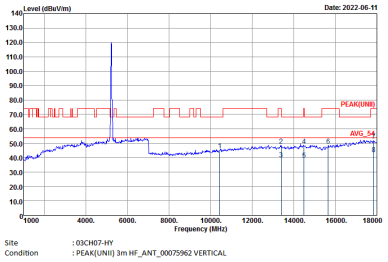
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

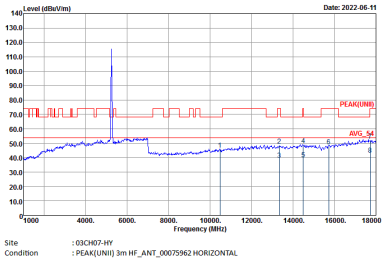
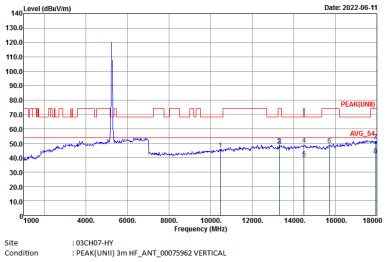
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

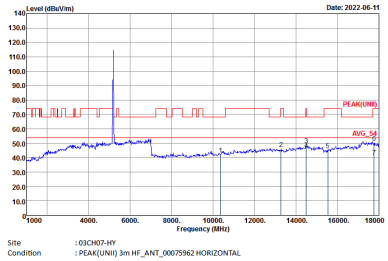
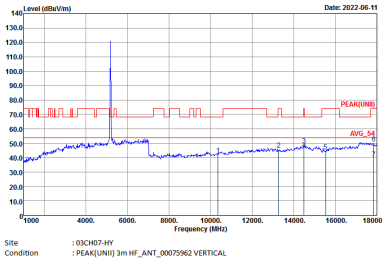
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

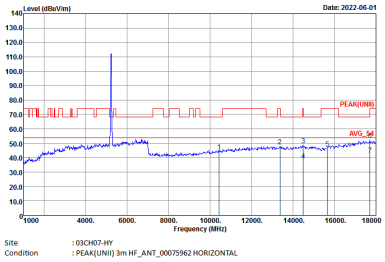
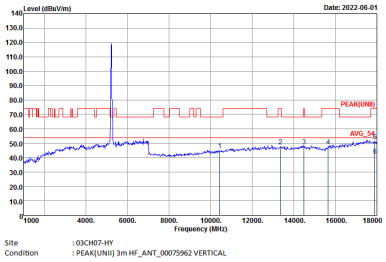
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

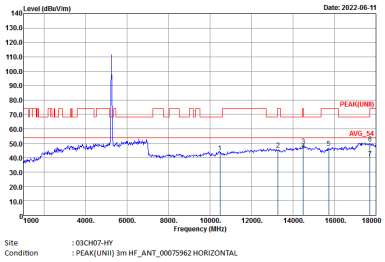
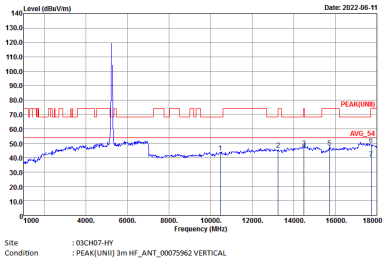
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

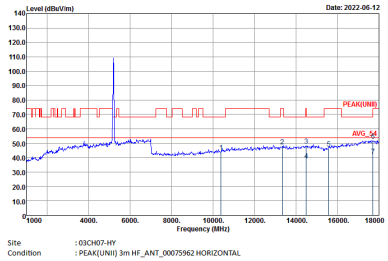
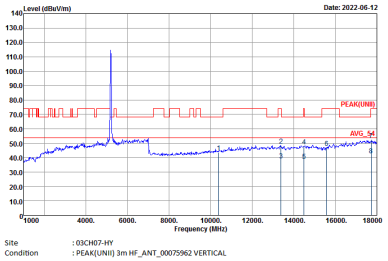
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

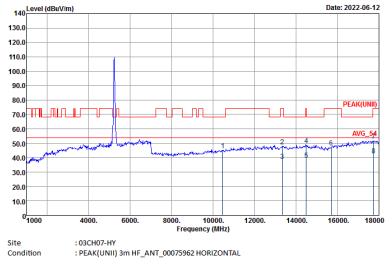
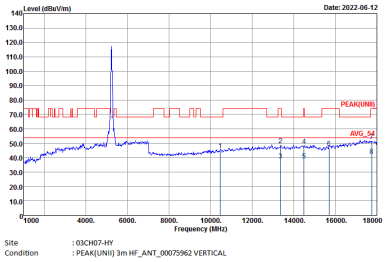
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

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

Band 1 5150~5250MHz

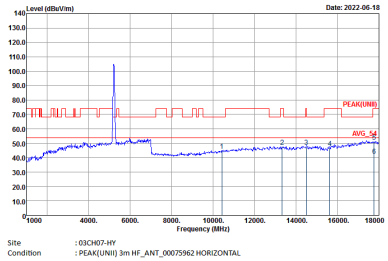
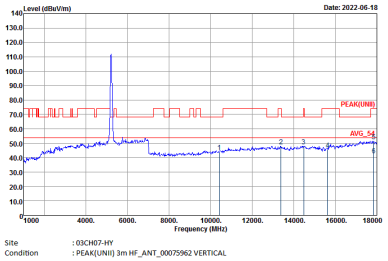
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

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

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

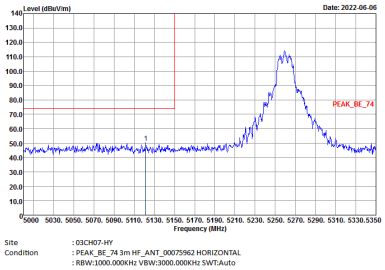
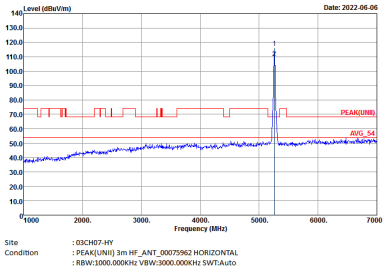
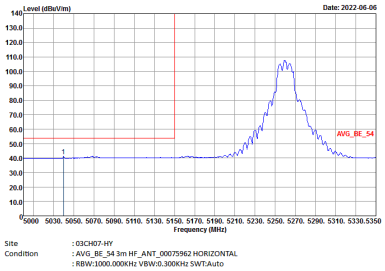
Band 1 5150~5250MHz

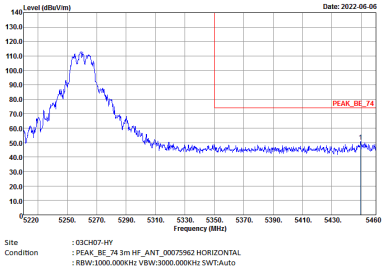
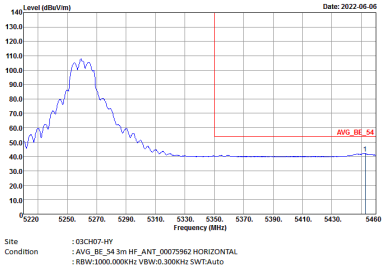
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

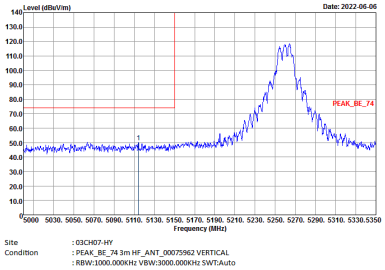
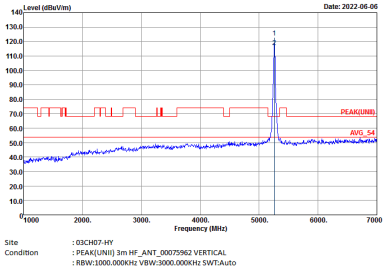
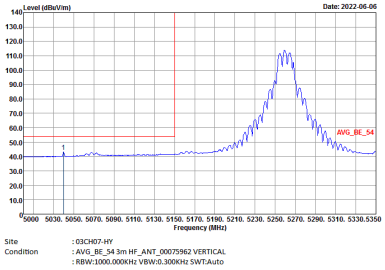
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

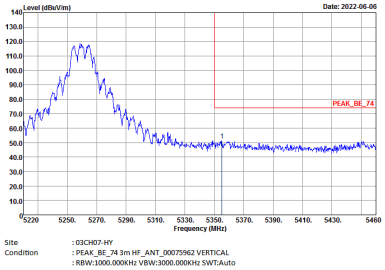
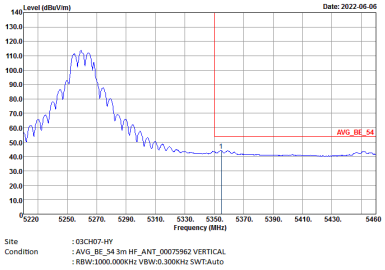
Band 2 - 5250~5350MHz

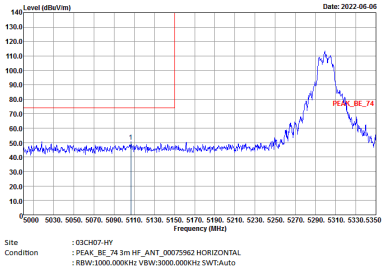
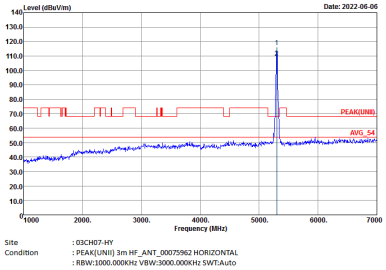
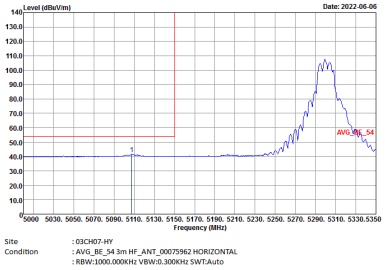
WIFI 802.11a (Band Edge @ 3m)

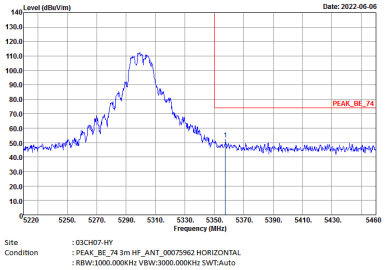
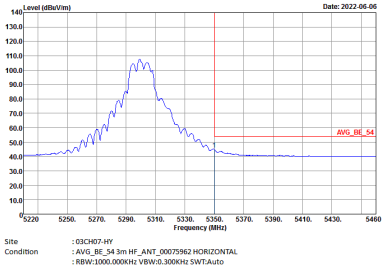
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

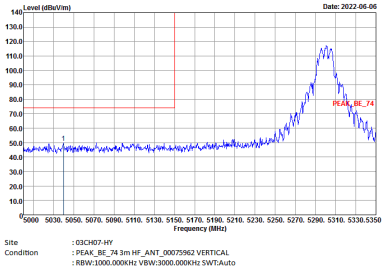
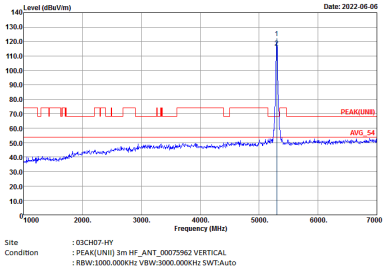
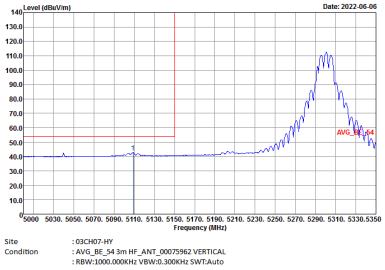
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

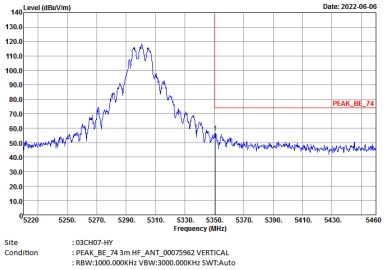
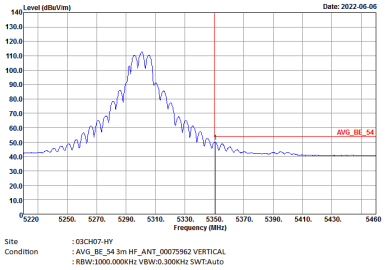
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

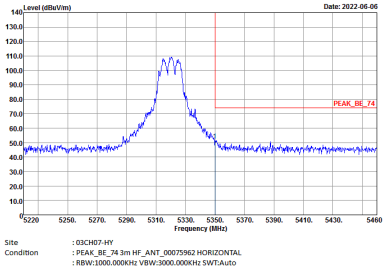
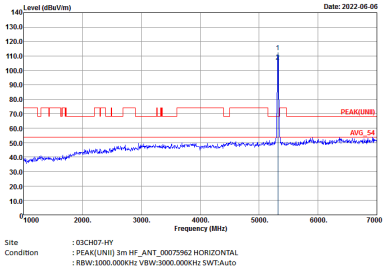
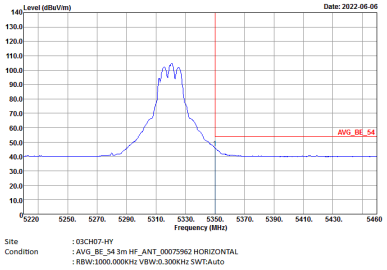
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

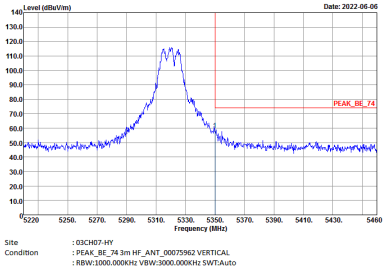
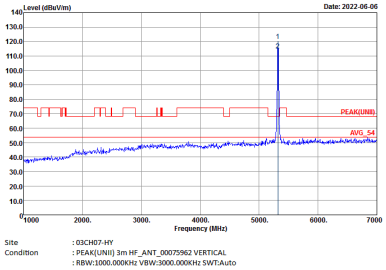
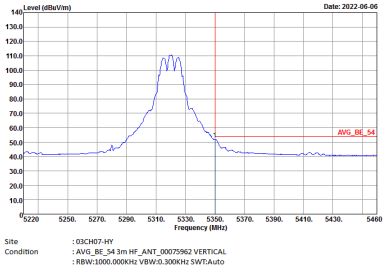
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

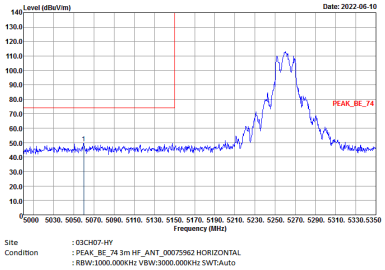
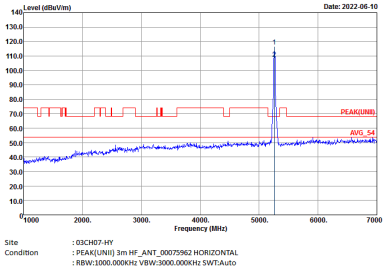
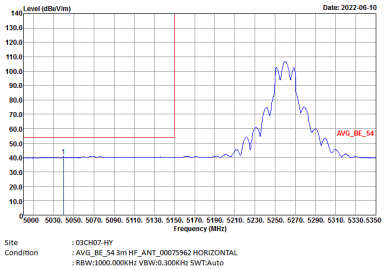
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

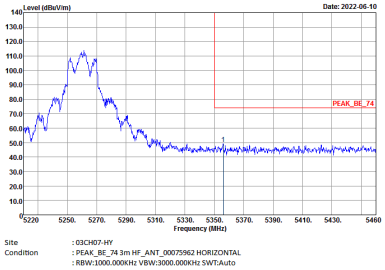
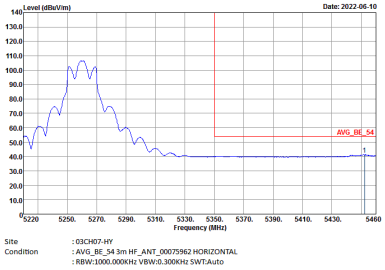
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

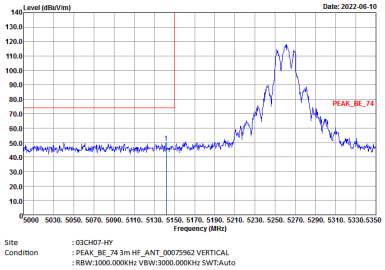
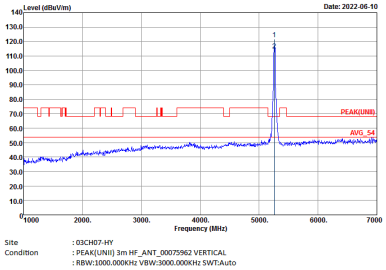
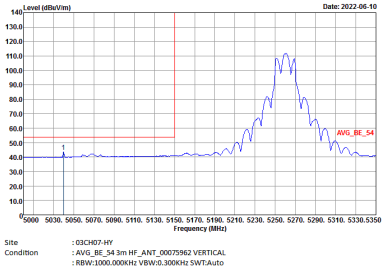
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

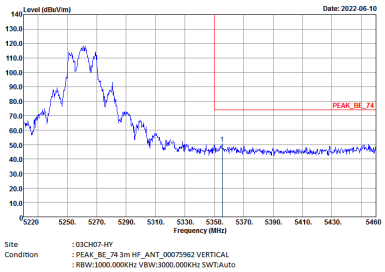
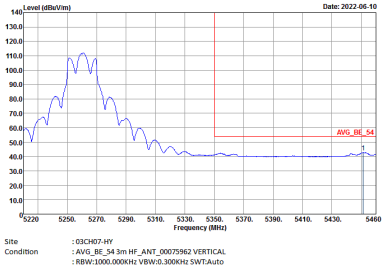
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

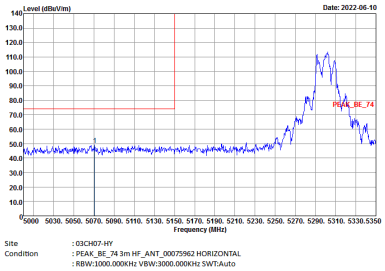
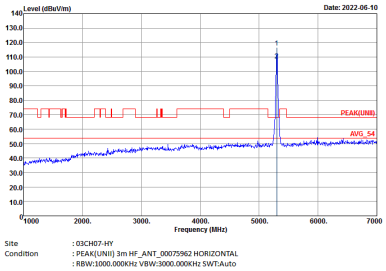
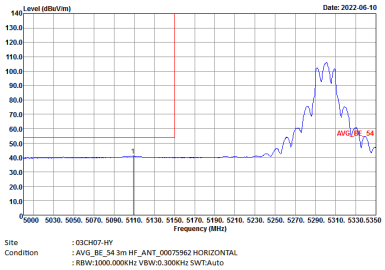
Band 2 5250~5350MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

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

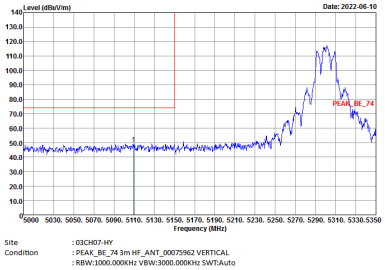
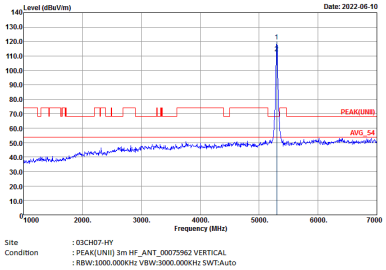
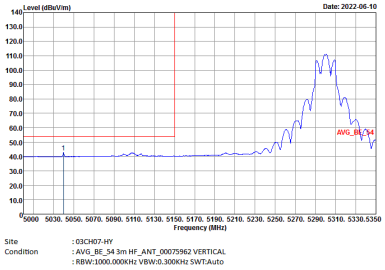
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

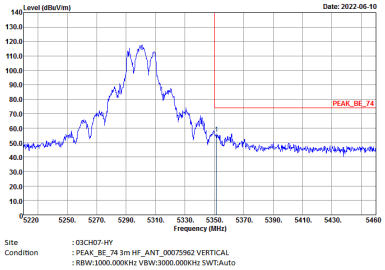
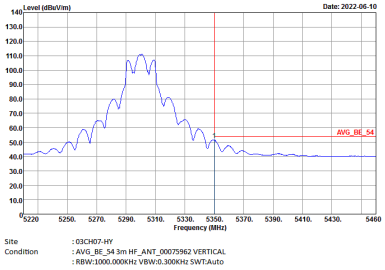
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

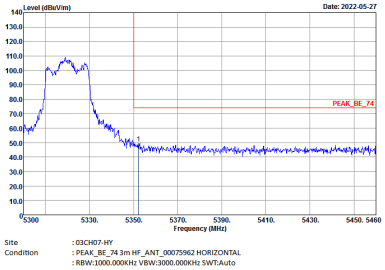
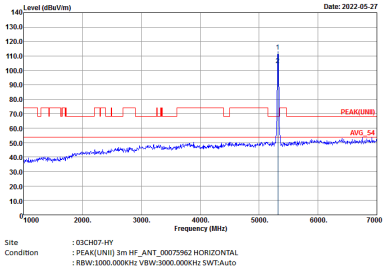
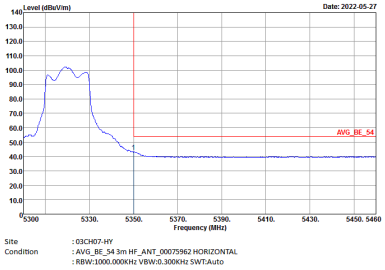
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

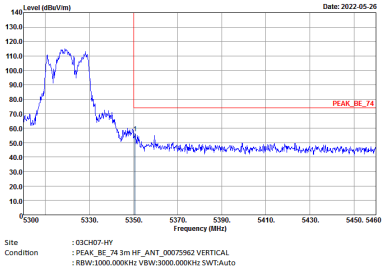
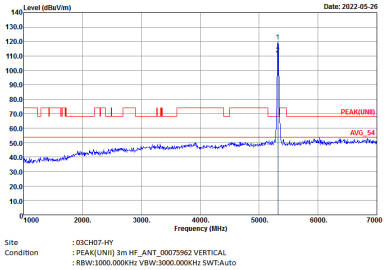
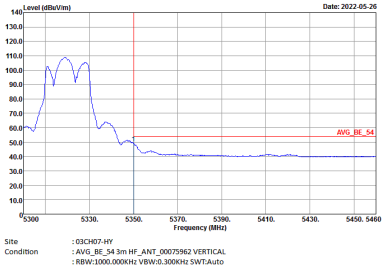
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

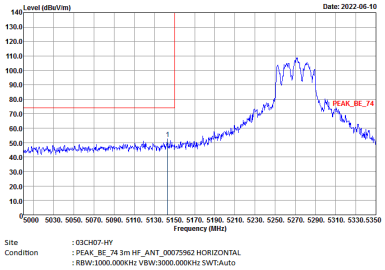
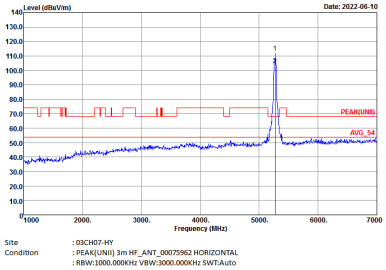
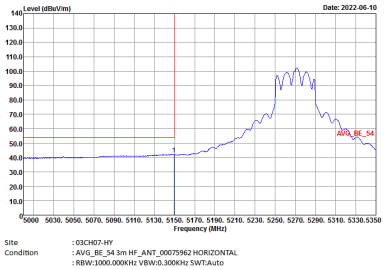
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

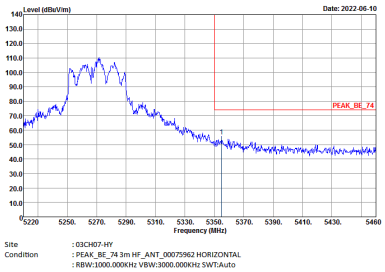
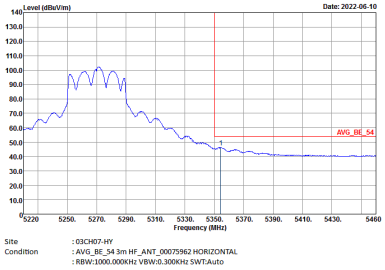
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

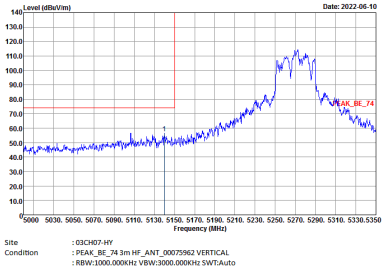
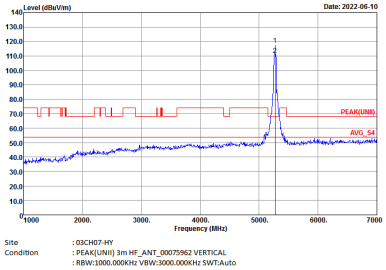
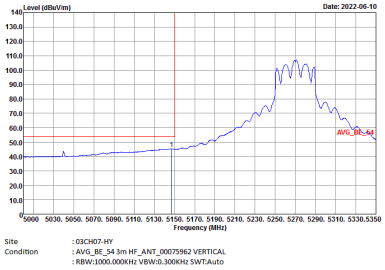
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

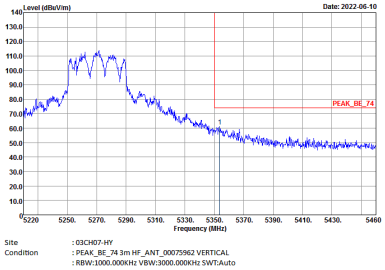
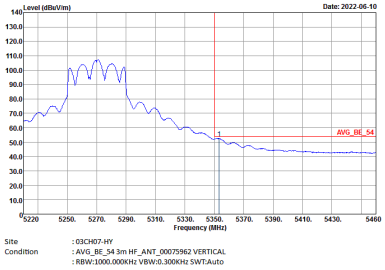
Band 2 - 5250~5350MHz

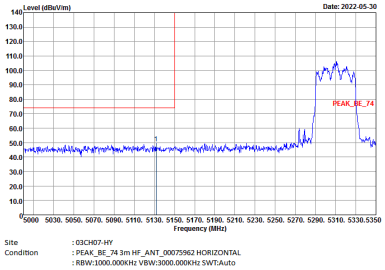
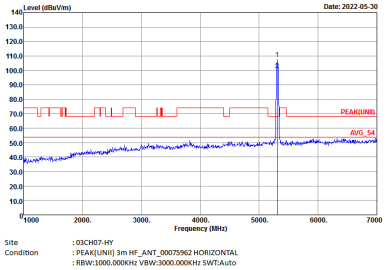
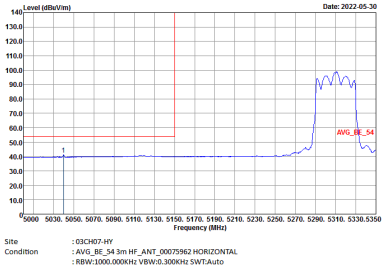
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

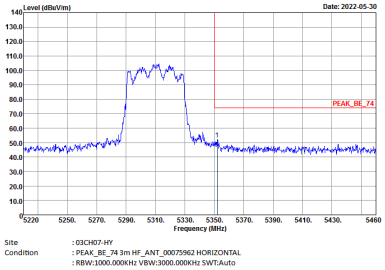
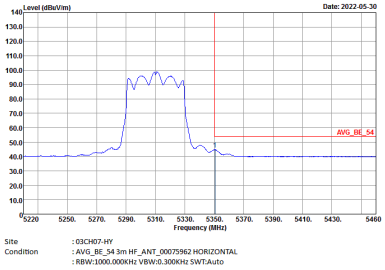
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

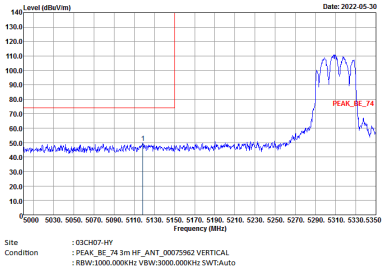
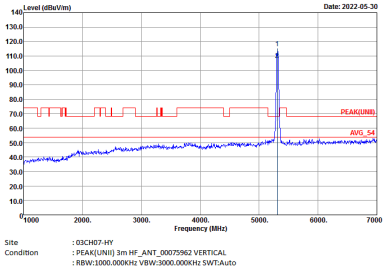
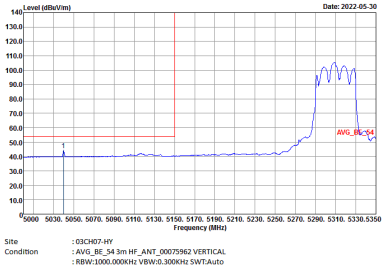
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

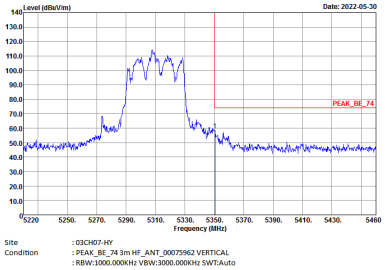
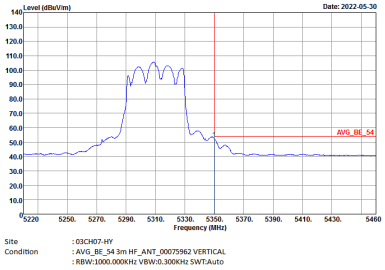
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

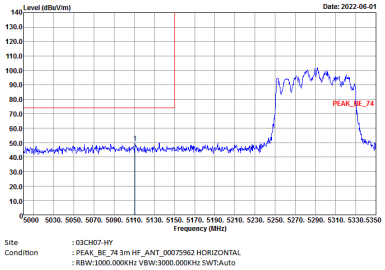
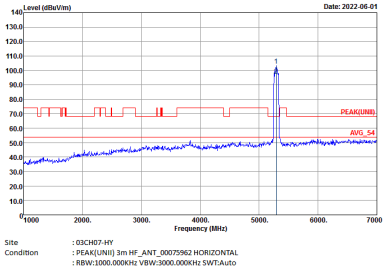
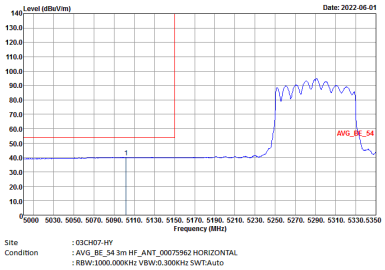
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

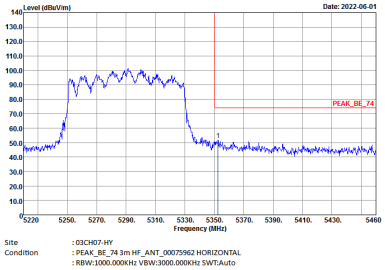
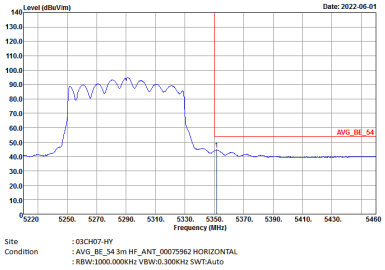
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

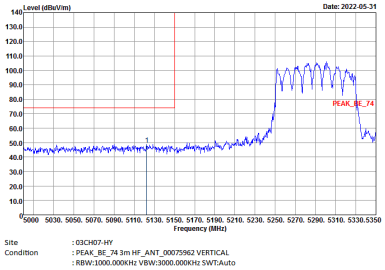
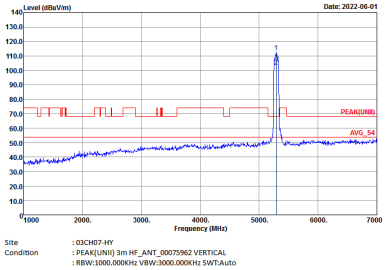
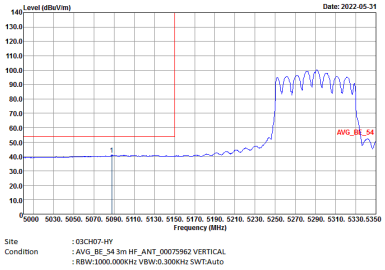
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

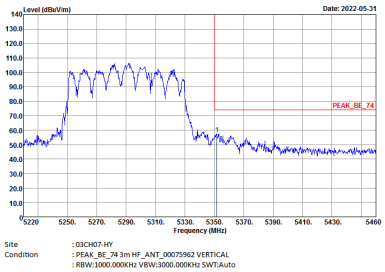
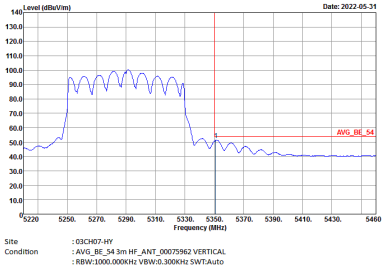
Band 2 5250~5350MHz

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

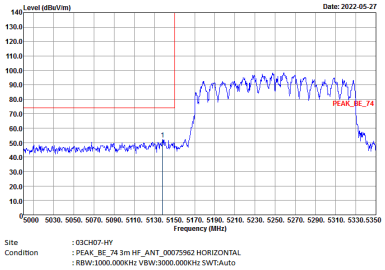
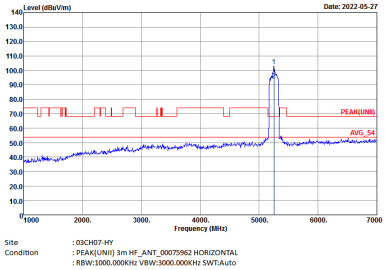
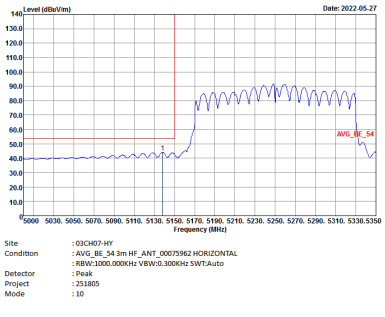
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

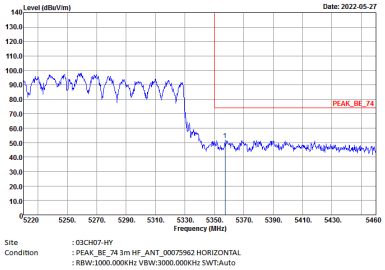
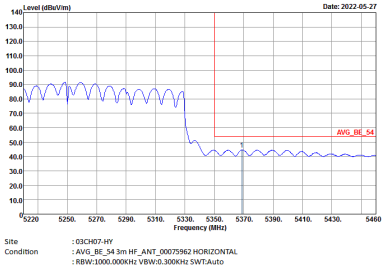
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

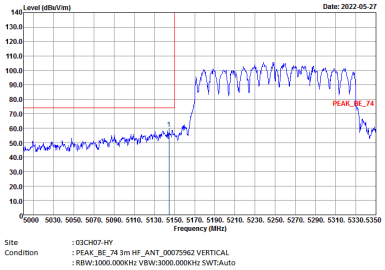
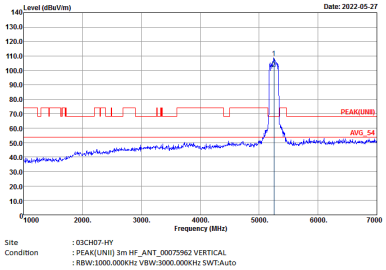
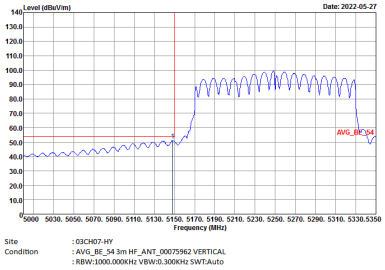
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

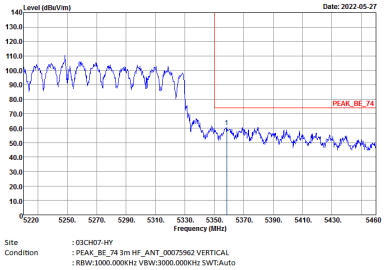
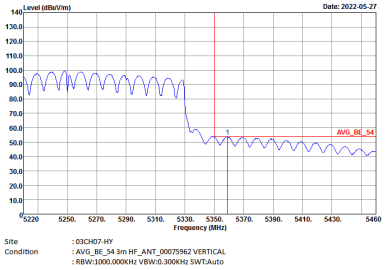
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 5250~5350MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

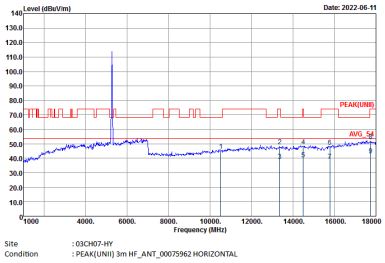
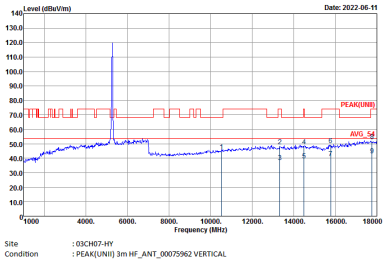
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

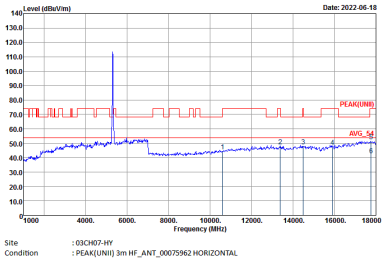
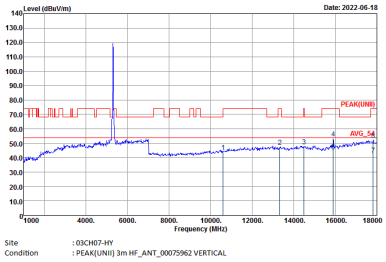
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

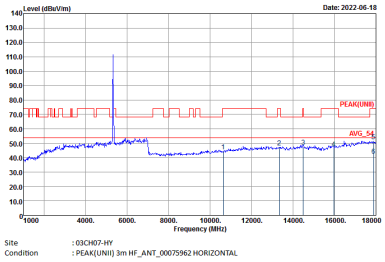
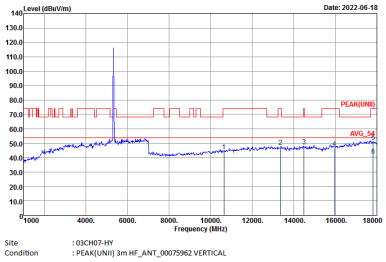
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

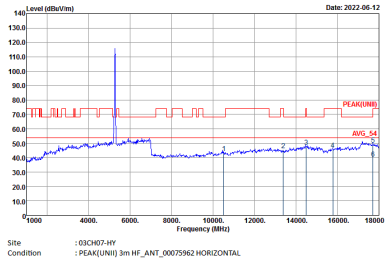
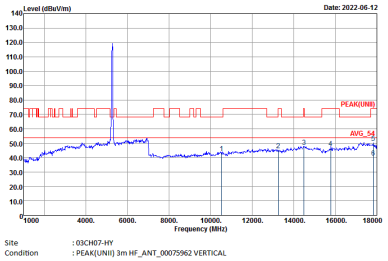
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

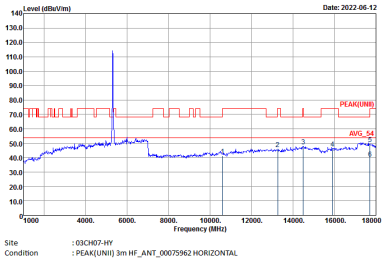
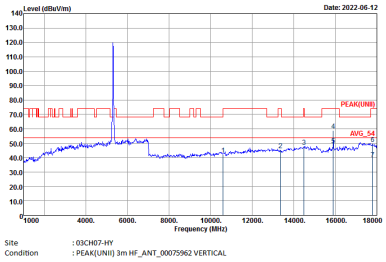
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

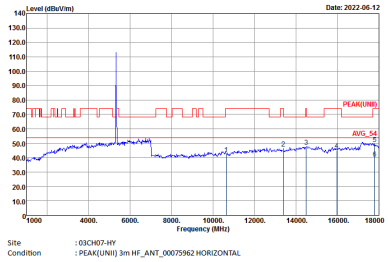
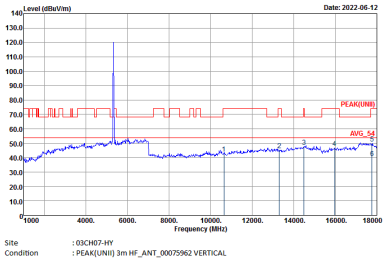
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

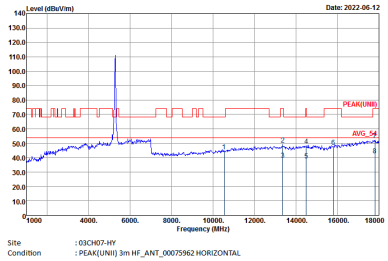
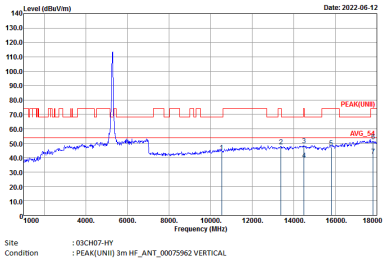
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

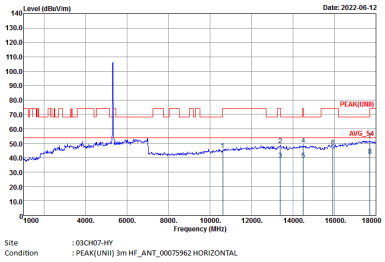
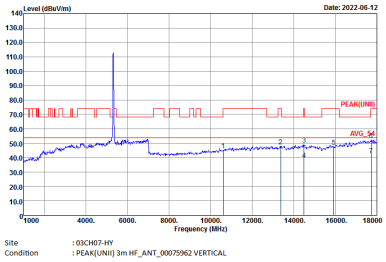
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

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

Band 2 - 5250~5350MHz

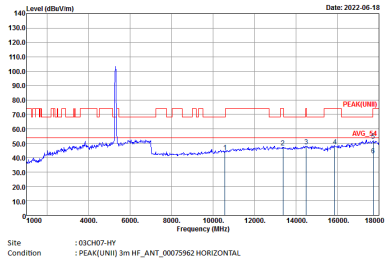
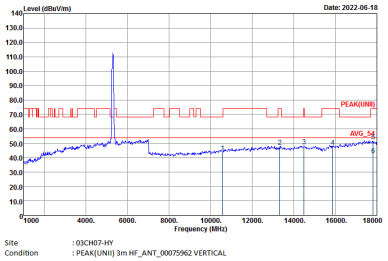
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

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

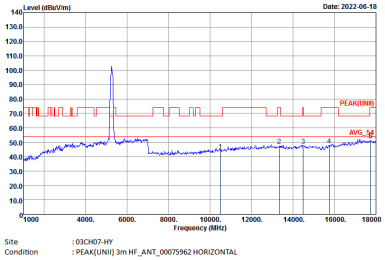
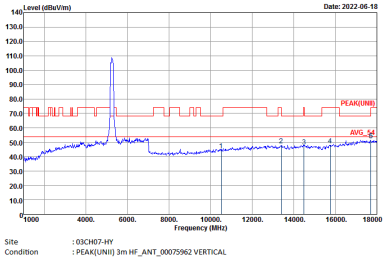
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH62 5310	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

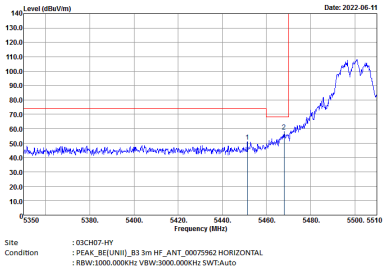
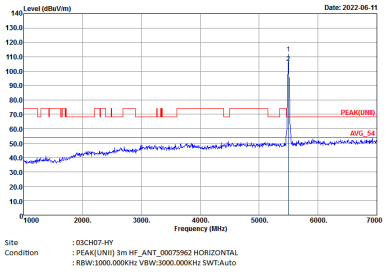
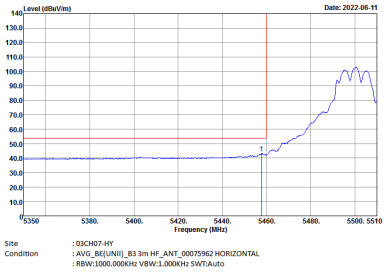
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.		

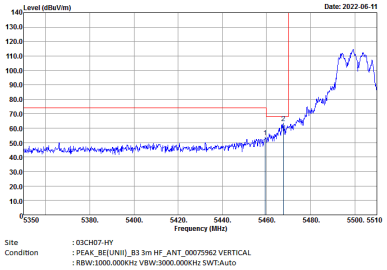
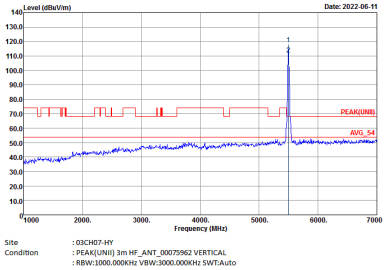
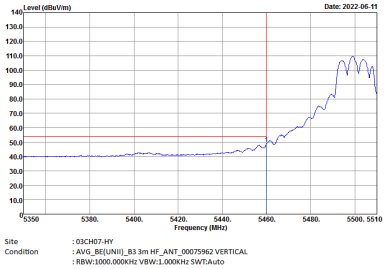
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

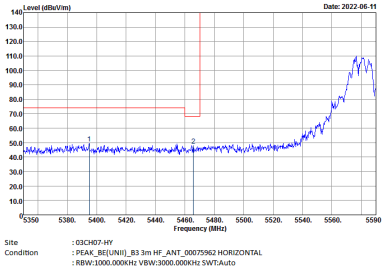
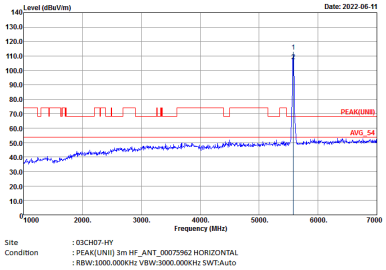
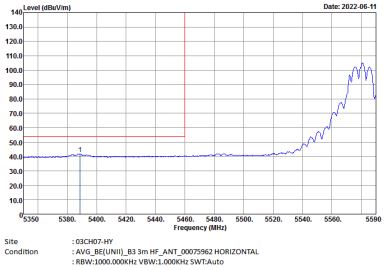
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz	
1+2	Horizontal	Vertical
Peak Avg.		

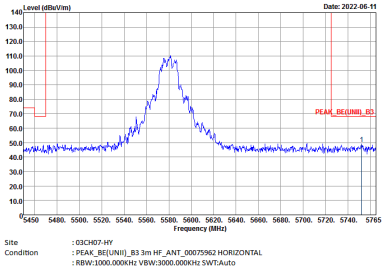
Band 3 - 5470~5725MHz

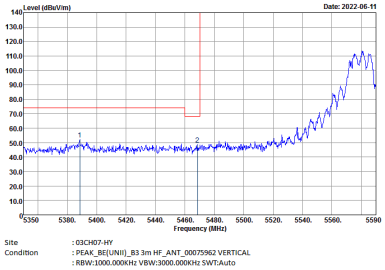
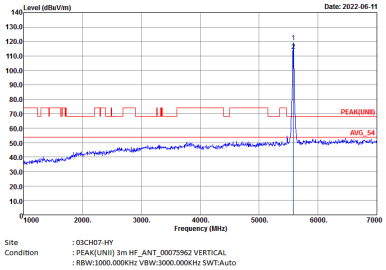
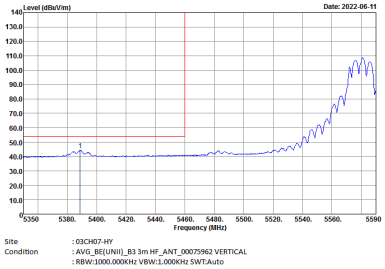
WIFI 802.11a (Band Edge @ 3m)

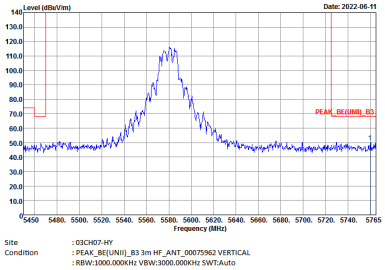
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

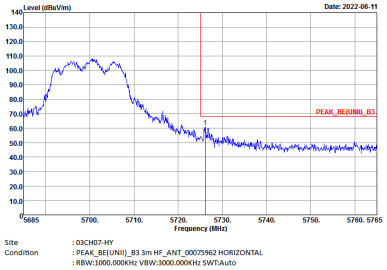
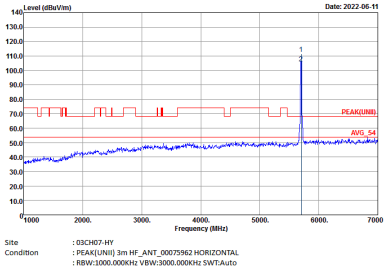
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak		

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Vertical	Fundamental
Peak