FCC RADIO TEST REPORT

FCC ID	:	2A7DJ-2346766867652
Equipment	:	Smart Radio LTE with Walkie-Talkie
Brand Name	:	weavix
Model Name	:	walt
Applicant	:	PK Solutions LLC 10811 E Harry St. Wichita, KS 67207, USA
Manufacturer	:	Arima Communications (Jiangsu) Co., Ltd No.168, Jiaotong Notrh Road, Economic and Technological Development Zone, Wujiang District Suzhou City, Jiangsu Province, P.R.China
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on Jun. 17, 2022 and testing was performed from Jul. 12, 2022 to Aug. 16, 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.)

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FR261611E	01	Initial issue of report	Sep. 22, 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	0.32 dB under the limit at 5350.080 MHz
3.5	15.207	AC Conducted Emission	Pass	7.00 dB under the limit at 0.598 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: Avis Chuang

Report Producer: Ming Chen

1 General Description

1.1 Product Feature of Equipment Under Test

LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, NFC, and GNSS.

Product Feature	
Antenna Type	WWAN: PIFA Antenna WLAN: Loop Antenna Bluetooth: Loop Antenna GPS / Glonass / BDS / Galileo: PIFA Antenna NFC: Loop Antenna
HW Version	0910MB-003
SW Version	2.A.0025

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	-1.7
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	-1.7
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	-1.4

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.**
	CO05-HY, 03CH07-HY

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY (TAF Code: 3786)
Remark	The Conducted test item subcontracted to Sporton International Inc. Wensan Laboratory

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- 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 three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

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

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40
2. The above Frequency and Channel with "#" are 802.11ac VHT80

2.2 Test Mode

The power for 802.11n mode is smaller than 802.11ac mode, so all other conducted and radiated test is covered by 802.11ac mode.

The final test modes include the worst data rates for each modulation shown in the table below.

Single Mode

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

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

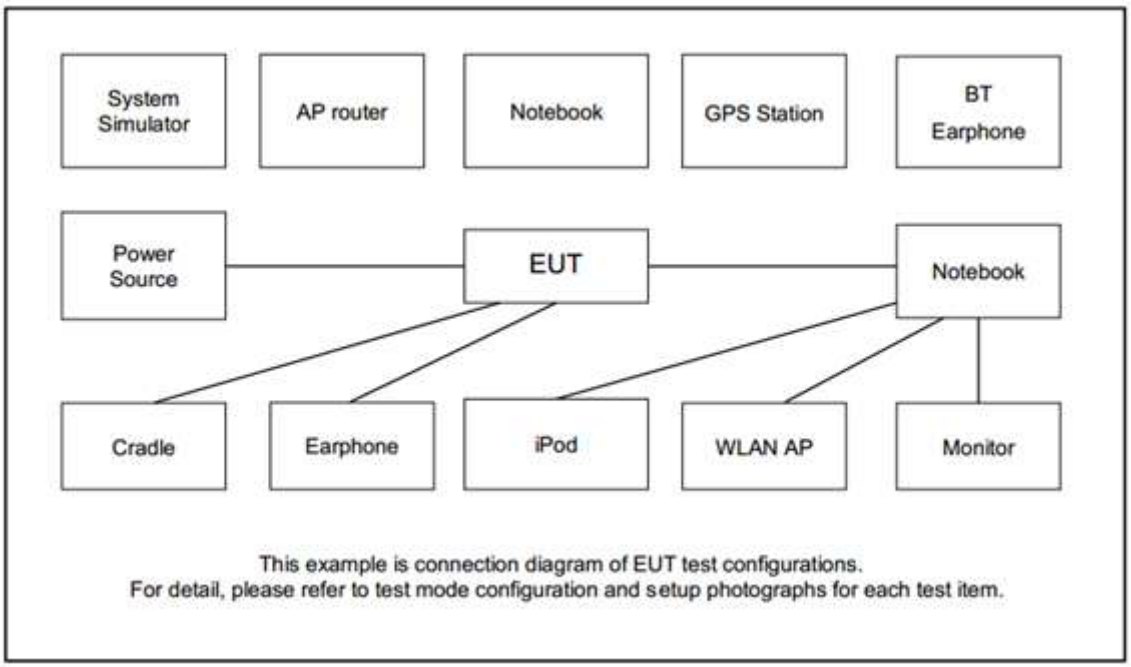
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	-

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	-

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	-
Straddle		-	-	-

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY700A2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8m
3.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT 4.0.00158.0” 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.

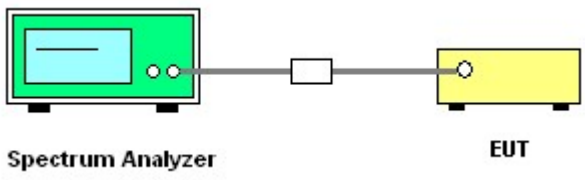
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

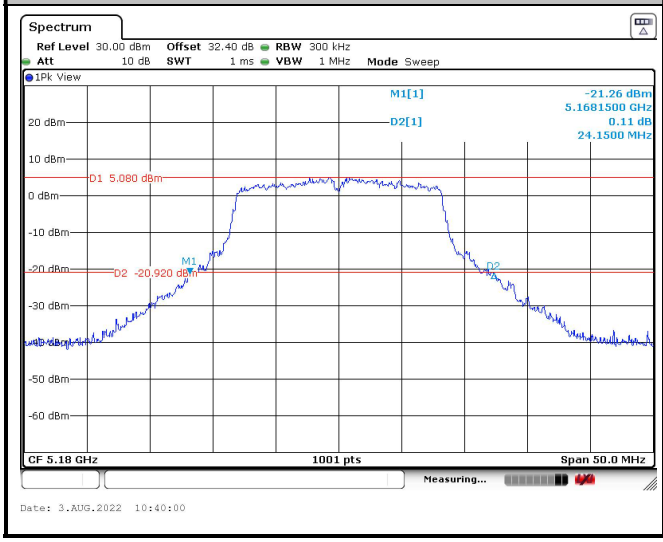
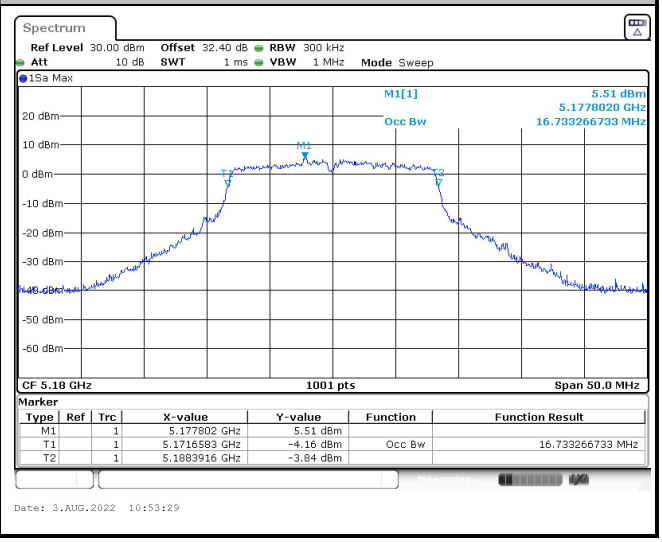
3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

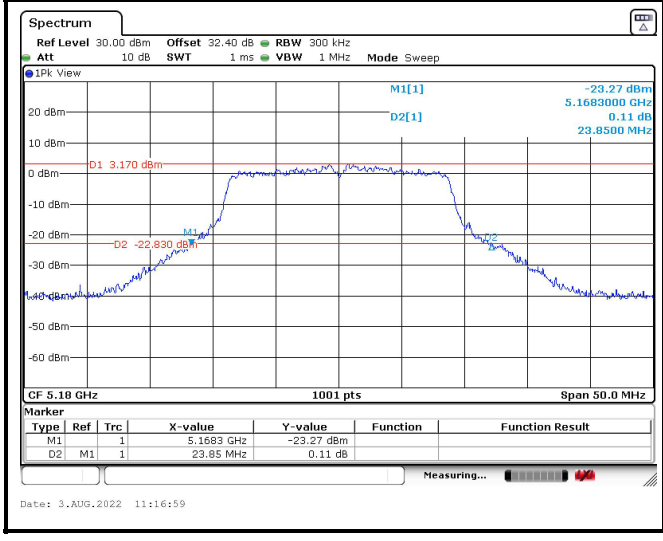
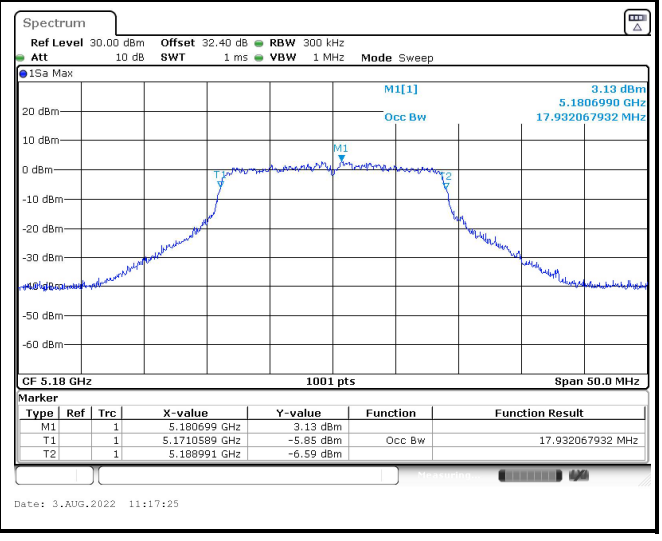
Please refer to Appendix A.

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

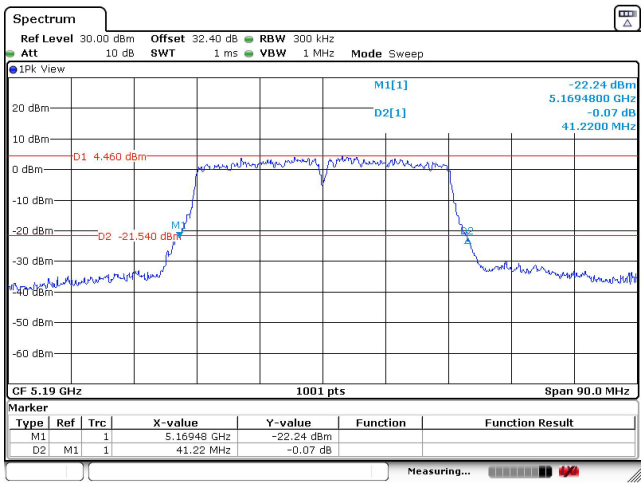
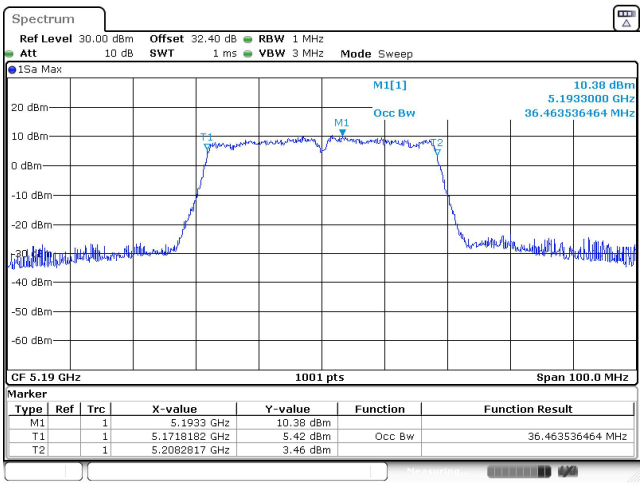
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT20>

26dB Bandwidth	99% Occupied Bandwidth
	

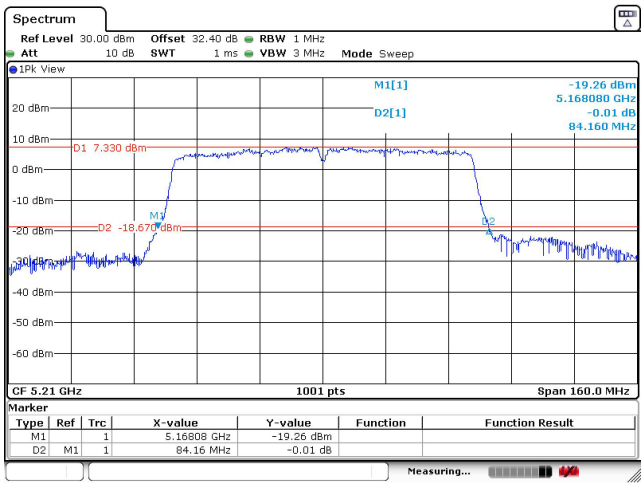
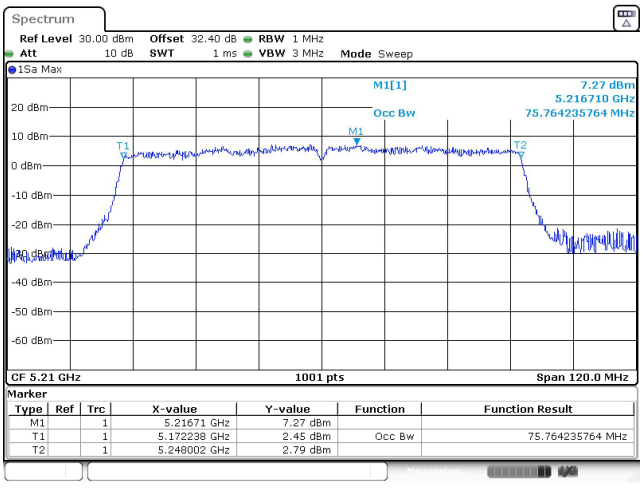
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT40>

26dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11ac VHT80>

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.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.

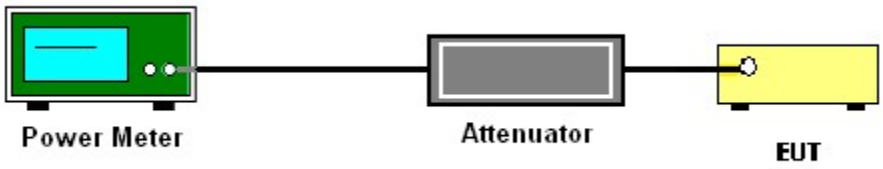
3.2.3 Test Procedures

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.

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

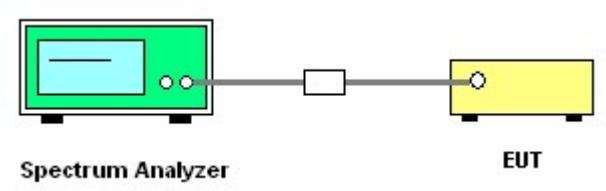
 # Method SA-3 #

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

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

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

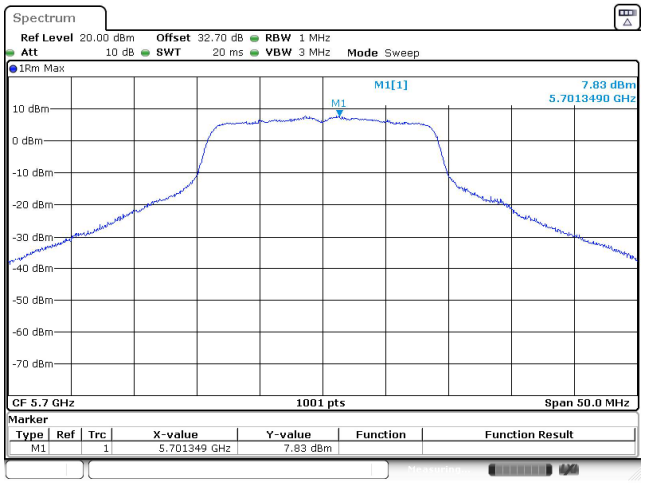
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Maximum Power Density Plot (dBm/MHz)



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

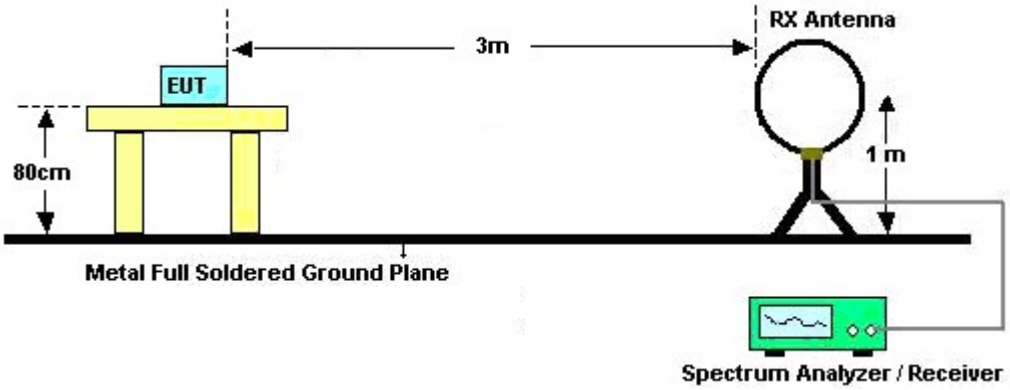
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

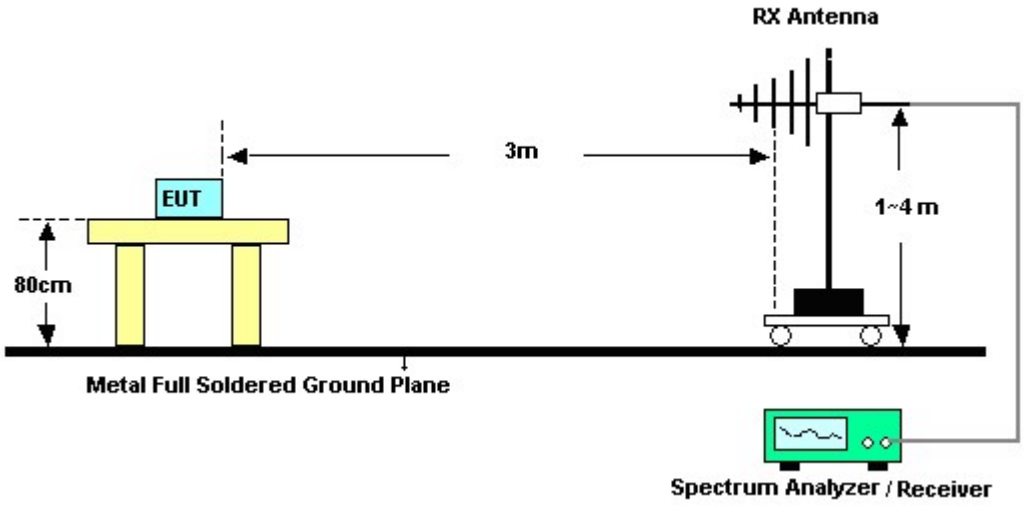
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

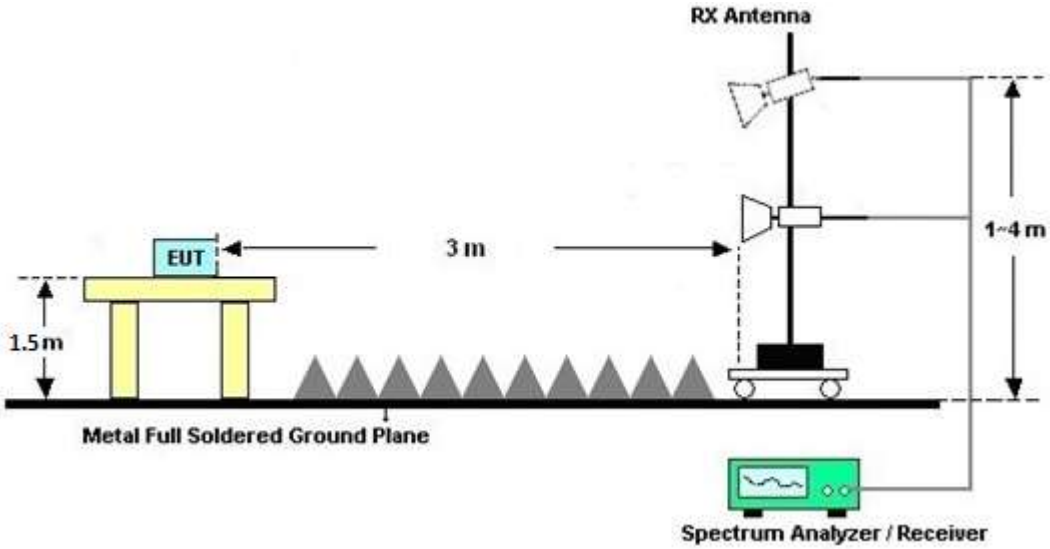
For radiated emissions below 30MHz



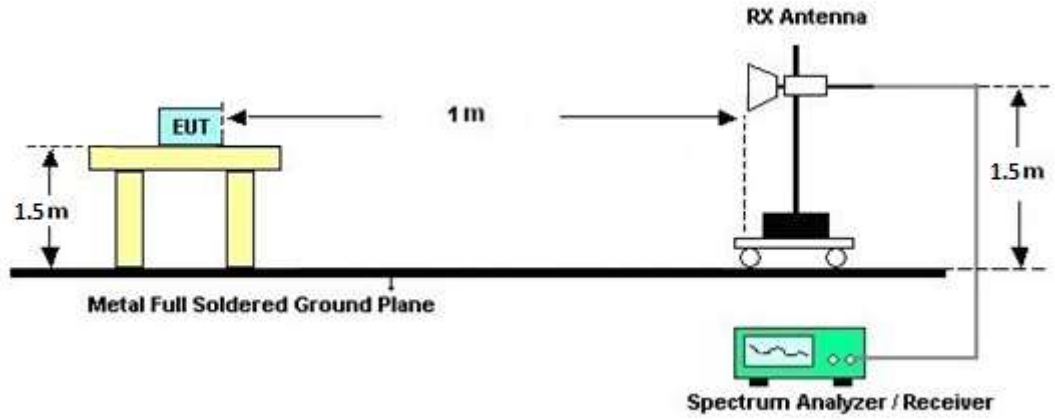
For radiated emissions from 30MHz to 1GHz



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.

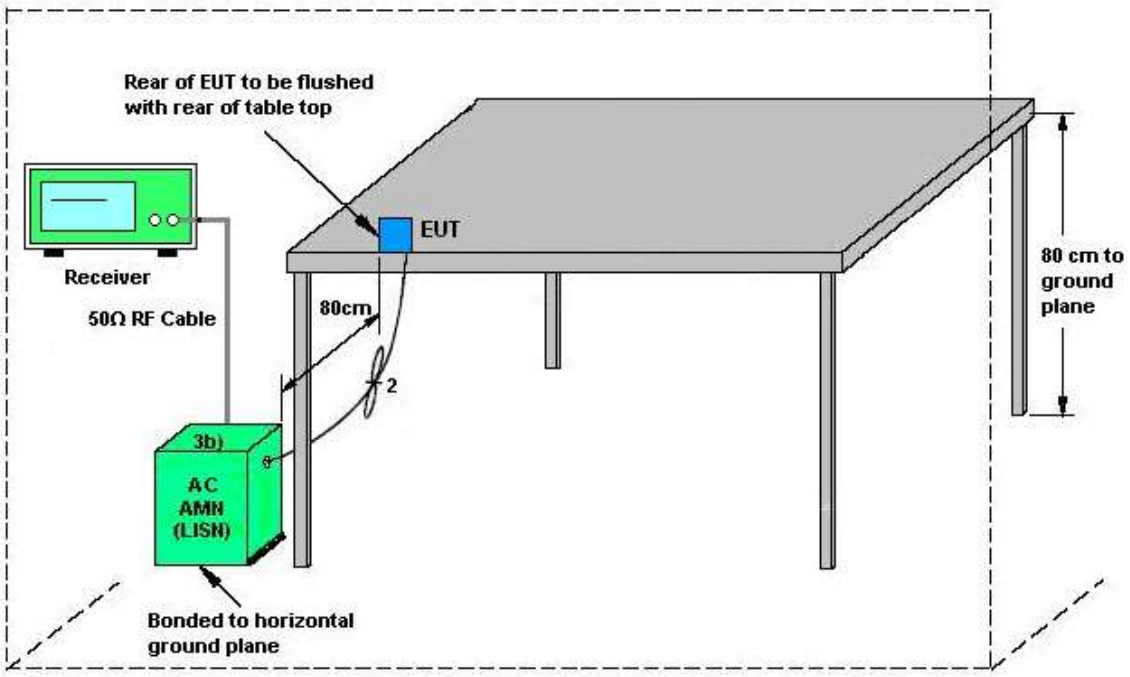
3.5.2 Measuring Instruments

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

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

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	Jul. 12, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Jul. 12, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Jul. 12, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Jul. 12, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Jul. 12, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Jul. 12, 2022	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Jul. 12, 2022	Dec. 29, 2022	Conduction (CO05-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Jul. 15, 2022~ Aug. 03, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Jul. 15, 2022~ Aug. 03, 2022	Dec. 28, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Jul. 15, 2022~ Aug. 03, 2022	Aug. 29, 2022	Conducted (TH05-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 24, 2022	Jul. 19, 2022~ Aug. 16, 2022	Apr. 23, 2023	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 03, 2021	Jul. 19, 2022~ Aug. 16, 2022	Dec. 02, 2022	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590075	1GHz~18GHz	Apr. 21, 2022	Jul. 19, 2022~ Aug. 16, 2022	Apr. 20, 2023	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 04, 2021	Jul. 19, 2022~ Aug. 16, 2022	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 04, 2021	Jul. 19, 2022~ Aug. 16, 2022	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	060715	18-40GHz	Dec. 24, 2021	Jul. 19, 2022~ Jul. 27, 2022	Dec. 23, 2022	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 21, 2022	Jul. 28, 2022~ Aug. 16, 2022	Jul. 20, 2023	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	May 27, 2022	Jul. 19, 2022~ Jul. 27, 2022	May 26, 2023	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jul. 22, 2022	Jul. 28, 2022~ Aug. 16, 2022	Jul. 21, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz to 18GHz	Feb. 23, 2022	Jul. 19, 2022~ Aug. 16, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz to 18GHz	Feb. 23, 2022	Jul. 19, 2022~ Aug. 16, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz to 18GHz	Feb. 23, 2022	Jul. 19, 2022~ Aug. 16, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 17, 2021	Jul. 19, 2022~ Aug. 16, 2022	Sep. 16, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 23, 2022	Jul. 19, 2022~ Aug. 16, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 14, 2022	Jul. 19, 2022~ Aug. 16, 2022	Apr. 13, 2023	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Jul. 19, 2022~ Aug. 16, 2022	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Jul. 19, 2022~ Aug. 16, 2022	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Jul. 19, 2022~ Aug. 16, 2022	N/A	Radiation (03CH07-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Jul. 19, 2022~ Aug. 16, 2022	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Jul. 19, 2022~ Aug. 16, 2022	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 07, 2022	Jul. 19, 2022~ Aug. 16, 2022	Mar. 06, 2023	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Jul. 19, 2022~ Aug. 16, 2022	Nov. 29, 2022	Radiation (03CH07-HY)

5 Uncertainty of Evaluation

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

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:	Mina Liu	Temperature:	21~25	°C
Test Date:	2022/7/15~2022/8/3	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I single antenna														
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	1	36	5180	16.73	-	24.15	-	-		22.24	-		
11a	6Mbps	1	44	5220	16.78	-	24.35	-	-		22.25	-		
11a	6Mbps	1	48	5240	16.83	-	23.80	-	-		22.26	-		
VHT20	MCS0	1	36	5180	17.93	-	23.85	-	-		22.54	-		
VHT20	MCS0	1	44	5220	18.03	-	25.00	-	-		22.56	-		
VHT20	MCS0	1	48	5240	18.03	-	25.70	-	-		22.56	-		
VHT40	MCS0	1	38	5190	36.46	-	41.22	-	-		23.01	-		
VHT40	MCS0	1	46	5230	36.56	-	41.94	-	-		23.01	-		
VHT80	MCS0	1	42	5210	75.76	-	84.16	-	-		23.01	-		

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna													
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	1	36	5180	13.55	-		24.00	-	-1.70	-		Pass
11a	6Mbps	1	44	5220	15.65	-		24.00	-	-1.70	-		Pass
11a	6Mbps	1	48	5240	15.65	-		24.00	-	-1.70	-		Pass
HT20	MCS0	1	36	5180	11.05	-		24.00	-	-1.70	-		Pass
HT20	MCS0	1	44	5220	15.95	-		24.00	-	-1.70	-		Pass
HT20	MCS0	1	48	5240	15.95	-		24.00	-	-1.70	-		Pass
HT40	MCS0	1	38	5190	15.55	-		24.00	-	-1.70	-		Pass
HT40	MCS0	1	46	5230	16.25	-		24.00	-	-1.70	-		Pass
VHT20	MCS0	1	36	5180	11.15	-		24.00	-	-1.70	-		Pass
VHT20	MCS0	1	44	5220	16.05	-		24.00	-	-1.70	-		Pass
VHT20	MCS0	1	48	5240	16.05	-		24.00	-	-1.70	-		Pass
VHT40	MCS0	1	38	5190	15.65	-		24.00	-	-1.70	-		Pass
VHT40	MCS0	1	46	5230	16.35	-		24.00	-	-1.70	-		Pass
VHT80	MCS0	1	42	5210	15.55	-		24.00	-	-1.70	-		Pass

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TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	3.68	-		11.00	-	-1.70	-		Pass
11a	6Mbps	1	44	5220	5.94	-		11.00	-	-1.70	-		Pass
11a	6Mbps	1	48	5240	6.17	-		11.00	-	-1.70	-		Pass
VHT20	MCS0	1	36	5180	1.64	-		11.00	-	-1.70	-		Pass
VHT20	MCS0	1	44	5220	6.68	-		11.00	-	-1.70	-		Pass
VHT20	MCS0	1	48	5240	6.65	-		11.00	-	-1.70	-		Pass
VHT40	MCS0	1	38	5190	2.74	-		11.00	-	-1.70	-		Pass
VHT40	MCS0	1	46	5230	4.07	-		11.00	-	-1.70	-		Pass
VHT80	MCS0	1	42	5210	0.70	-		11.00	-	-1.70	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II single antenna															
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	1	52	5260	16.78	-	24.50	-	23.25	-	29.25	-	23.98	-	
11a	6Mbps	1	60	5300	16.78	-	24.50	-	23.25	-	29.25	-	23.98	-	
11a	6Mbps	1	64	5320	16.78	-	24.15	-	23.25	-	29.25	-	23.98	-	
VHT20	MCS0	1	52	5260	18.03	-	25.75	-	23.56	-	29.56	-	23.98	-	
VHT20	MCS0	1	60	5300	17.98	-	26.35	-	23.55	-	29.55	-	23.98	-	
VHT20	MCS0	1	64	5320	17.93	-	24.10	-	23.54	-	29.54	-	23.98	-	
VHT40	MCS0	1	54	5270	36.46	-	41.94	-	23.98	-	30.00	-	23.98	-	
VHT40	MCS0	1	62	5310	36.56	-	41.85	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.64	-	83.84	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC Band II single antenna													
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	1	52	5260	15.95	-		23.98	-	-1.70	-	26.99	Pass
11a	6Mbps	1	60	5300	15.85	-		23.98	-	-1.70	-	26.99	Pass
11a	6Mbps	1	64	5320	9.95	-		23.98	-	-1.70	-	26.99	Pass
HT20	MCS0	1	52	5260	16.15	-		23.98	-	-1.70	-	26.99	Pass
HT20	MCS0	1	60	5300	16.05	-		23.98	-	-1.70	-	26.99	Pass
HT20	MCS0	1	64	5320	7.15	-		23.98	-	-1.70	-	26.99	Pass
HT40	MCS0	1	54	5270	16.45	-		23.98	-	-1.70	-	26.99	Pass
HT40	MCS0	1	62	5310	13.65	-		23.98	-	-1.70	-	26.99	Pass
VHT20	MCS0	1	52	5260	16.25	-		23.98	-	-1.70	-	26.99	Pass
VHT20	MCS0	1	60	5300	16.15	-		23.98	-	-1.70	-	26.99	Pass
VHT20	MCS0	1	64	5320	7.25	-		23.98	-	-1.70	-	26.99	Pass
VHT40	MCS0	1	54	5270	16.55	-		23.98	-	-1.70	-	26.99	Pass
VHT40	MCS0	1	62	5310	13.75	-		23.98	-	-1.70	-	26.99	Pass
VHT80	MCS0	1	58	5290	12.95	-		23.98	-	-1.70	-	26.99	Pass

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TEST RESULTS DATA
Power Spectral Density

Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	6.35	-		11.00	-	-1.70	-		Pass
11a	6Mbps	1	60	5300	6.25	-		11.00	-	-1.70	-		Pass
11a	6Mbps	1	64	5320	0.47	-		11.00	-	-1.70	-		Pass
VHT20	MCS0	1	52	5260	6.97	-		11.00	-	-1.70	-		Pass
VHT20	MCS0	1	60	5300	6.78	-		11.00	-	-1.70	-		Pass
VHT20	MCS0	1	64	5320	-2.27	-		11.00	-	-1.70	-		Pass
VHT40	MCS0	1	54	5270	4.28	-		11.00	-	-1.70	-		Pass
VHT40	MCS0	1	62	5310	0.47	-		11.00	-	-1.70	-		Pass
VHT80	MCS0	1	58	5290	-1.99	-		11.00	-	-1.70	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III single antenna																
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	1	100	5500	16.88	-	24.90	-	23.27	-	29.27	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.93	-	24.55	-	23.29	-	29.29	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.98	-	24.95	-	23.30	-	29.30	-	23.98	-	----	----
VHT20	MCS0	1	100	5500	18.13	-	27.10	-	23.58	-	29.58	-	23.98	-	----	----
VHT20	MCS0	1	116	5580	18.08	-	27.10	-	23.57	-	29.57	-	23.98	-	----	----
VHT20	MCS0	1	140	5700	18.13	-	27.90	-	23.58	-	29.58	-	23.98	-	----	----
VHT40	MCS0	1	102	5510	36.66	-	41.94	-	23.98	-	30.00	-	23.98	-	----	----
VHT40	MCS0	1	110	5550	36.56	-	41.94	-	23.98	-	30.00	-	23.98	-	----	----
VHT40	MCS0	1	134	5670	36.56	-	42.21	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.76	-	84.16	-	23.98	-	30.00	-	23.98	-	----	----

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TEST RESULTS DATA
Average Power Table

FCC Band III single antenna													
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	1	100	5500	16.05	-		23.98	-	-1.40	-	26.99	Pass
11a	6Mbps	1	116	5580	16.15	-		23.98	-	-1.40	-	26.99	Pass
11a	6Mbps	1	140	5700	16.55	-		23.98	-	-1.40	-	26.99	Pass
HT20	MCS0	1	100	5500	16.35	-		23.98	-	-1.40	-	26.99	Pass
HT20	MCS0	1	116	5580	16.35	-		23.98	-	-1.40	-	26.99	Pass
HT20	MCS0	1	140	5700	16.65	-		23.98	-	-1.40	-	26.99	Pass
HT40	MCS0	1	102	5510	16.55	-		23.98	-	-1.40	-	26.99	Pass
HT40	MCS0	1	110	5550	16.85	-		23.98	-	-1.40	-	26.99	Pass
HT40	MCS0	1	134	5670	17.25	-		23.98	-	-1.40	-	26.99	Pass
VHT20	MCS0	1	100	5500	16.45	-		23.98	-	-1.40	-	26.99	Pass
VHT20	MCS0	1	116	5580	16.45	-		23.98	-	-1.40	-	26.99	Pass
VHT20	MCS0	1	140	5700	16.75	-		23.98	-	-1.40	-	26.99	Pass
VHT40	MCS0	1	102	5510	16.65	-		23.98	-	-1.40	-	26.99	Pass
VHT40	MCS0	1	110	5550	16.95	-		23.98	-	-1.40	-	26.99	Pass
VHT40	MCS0	1	134	5670	17.35	-		23.98	-	-1.40	-	26.99	Pass
VHT80	MCS0	1	106	5530	15.45	-		23.98	-	-1.40	-	26.99	Pass

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TEST RESULTS DATA
Power Spectral Density

Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	6.41	-		11.00	-	-1.40	-		Pass
11a	6Mbps	1	116	5580	6.66	-		11.00	-	-1.40	-		Pass
11a	6Mbps	1	140	5700	7.39	-		11.00	-	-1.40	-		Pass
VHT20	MCS0	1	100	5500	6.88	-		11.00	-	-1.40	-		Pass
VHT20	MCS0	1	116	5580	7.15	-		11.00	-	-1.40	-		Pass
VHT20	MCS0	1	140	5700	7.83	-		11.00	-	-1.40	-		Pass
VHT40	MCS0	1	102	5510	3.89	-		11.00	-	-1.40	-		Pass
VHT40	MCS0	1	110	5550	4.38	-		11.00	-	-1.40	-		Pass
VHT40	MCS0	1	134	5670	4.13	-		11.00	-	-1.40	-		Pass
VHT80	MCS0	1	106	5530	0.60	-		11.00	-	-1.40	-		Pass

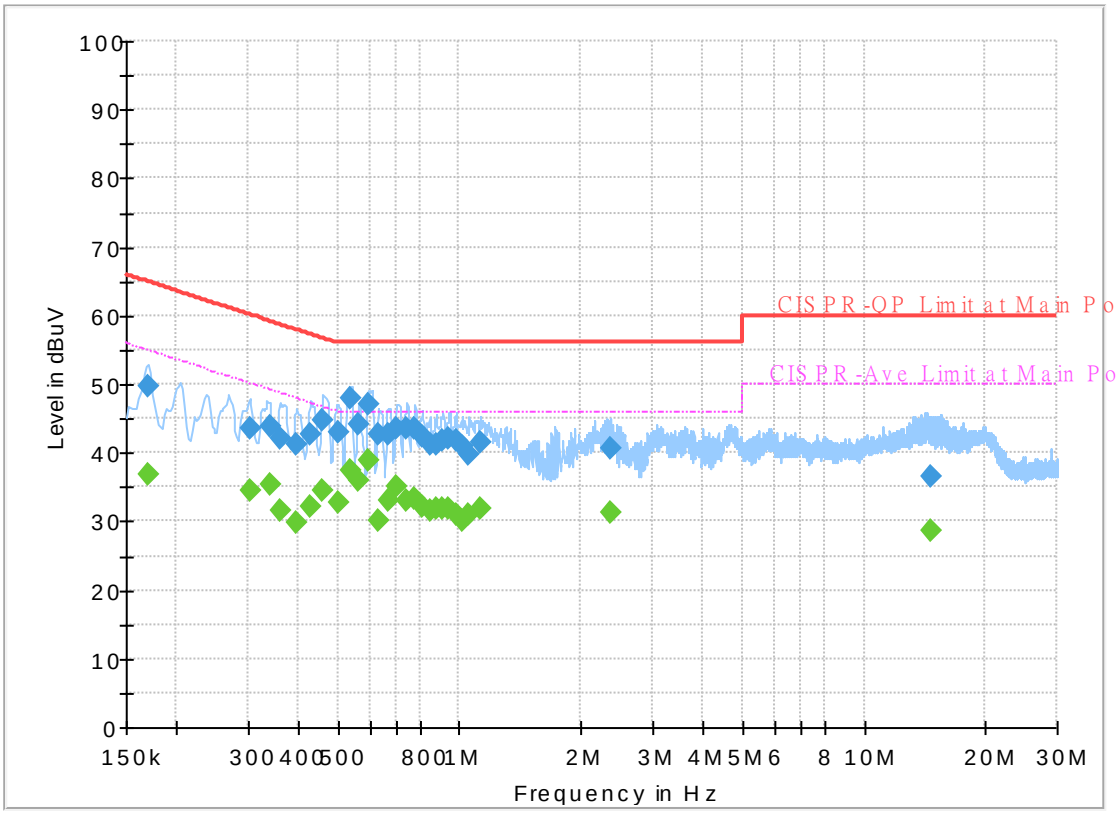
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	261611
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

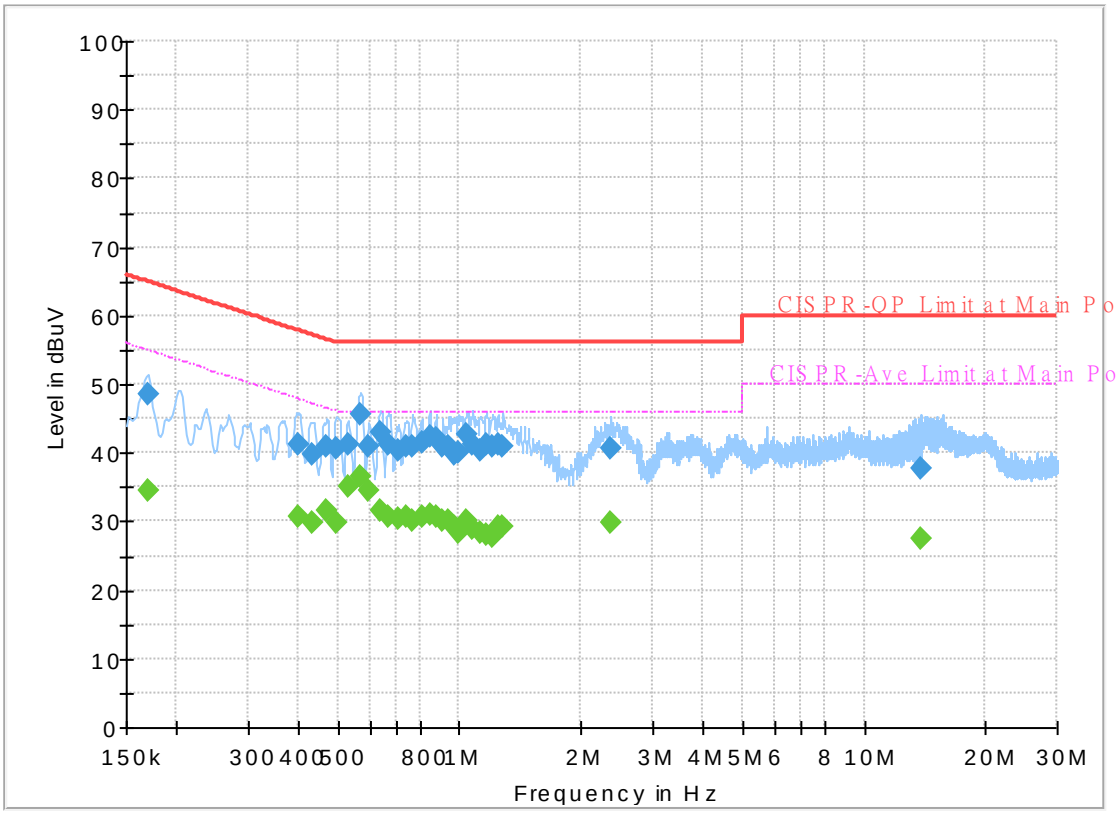
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	36.77	54.95	18.18	L1	OFF	19.6
0.170250	49.70	---	64.95	15.25	L1	OFF	19.6
0.303000	---	34.64	50.16	15.52	L1	OFF	19.6
0.303000	43.67	---	60.16	16.49	L1	OFF	19.6
0.339000	---	35.50	49.23	13.73	L1	OFF	19.6
0.339000	43.88	---	59.23	15.35	L1	OFF	19.6
0.359250	---	31.47	48.75	17.28	L1	OFF	19.6
0.359250	42.03	---	58.75	16.72	L1	OFF	19.6
0.395250	---	29.70	47.95	18.25	L1	OFF	19.6
0.395250	41.33	---	57.95	16.62	L1	OFF	19.6
0.429000	---	32.18	47.27	15.09	L1	OFF	19.6
0.429000	42.69	---	57.27	14.58	L1	OFF	19.6
0.460500	---	34.47	46.68	12.21	L1	OFF	19.6
0.460500	44.75	---	56.68	11.93	L1	OFF	19.6
0.501000	---	32.74	46.00	13.26	L1	OFF	19.6
0.501000	42.89	---	56.00	13.11	L1	OFF	19.6
0.539250	---	37.33	46.00	8.67	L1	OFF	19.6
0.539250	47.81	---	56.00	8.19	L1	OFF	19.6
0.564000	---	36.03	46.00	9.97	L1	OFF	19.6
0.564000	44.27	---	56.00	11.73	L1	OFF	19.6
0.597750	---	39.00	46.00	7.00	L1	OFF	19.6

0.597750	46.99	---	56.00	9.01	L1	OFF	19.6
0.631500	---	30.21	46.00	15.79	L1	OFF	19.6
0.631500	42.59	---	56.00	13.41	L1	OFF	19.6
0.669750	---	32.92	46.00	13.08	L1	OFF	19.6
0.669750	42.65	---	56.00	13.35	L1	OFF	19.6
0.699000	---	34.99	46.00	11.01	L1	OFF	19.6
0.699000	43.53	---	56.00	12.47	L1	OFF	19.6
0.741750	---	33.02	46.00	12.98	L1	OFF	19.6
0.741750	43.46	---	56.00	12.54	L1	OFF	19.6
0.777750	---	33.24	46.00	12.76	L1	OFF	19.6
0.777750	43.45	---	56.00	12.55	L1	OFF	19.6
0.811500	---	32.07	46.00	13.93	L1	OFF	19.6
0.811500	42.43	---	56.00	13.57	L1	OFF	19.6
0.843000	---	31.44	46.00	14.56	L1	OFF	19.6
0.843000	41.24	---	56.00	14.76	L1	OFF	19.6
0.879000	---	31.88	46.00	14.12	L1	OFF	19.6
0.879000	41.11	---	56.00	14.89	L1	OFF	19.6
0.912750	---	31.73	46.00	14.27	L1	OFF	19.6
0.912750	41.78	---	56.00	14.22	L1	OFF	19.6
0.944250	---	31.94	46.00	14.06	L1	OFF	19.6
0.944250	42.20	---	56.00	13.80	L1	OFF	19.6
0.980250	---	31.06	46.00	14.94	L1	OFF	19.6
0.980250	41.81	---	56.00	14.19	L1	OFF	19.6
1.014000	---	30.01	46.00	15.99	L1	OFF	19.7
1.014000	40.89	---	56.00	15.11	L1	OFF	19.7
1.056750	---	30.99	46.00	15.01	L1	OFF	19.7
1.056750	39.86	---	56.00	16.14	L1	OFF	19.7
1.128750	---	31.90	46.00	14.10	L1	OFF	19.7
1.128750	41.58	---	56.00	14.42	L1	OFF	19.7
2.359500	---	31.16	46.00	14.84	L1	OFF	19.7
2.359500	40.65	---	56.00	15.35	L1	OFF	19.7
14.561250	---	28.53	50.00	21.47	L1	OFF	20.3
14.561250	36.65	---	60.00	23.35	L1	OFF	20.3

EUT Information

Report NO :	261611
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)
0.170250	---	34.54	54.95	20.41	N	OFF	19.6
0.170250	48.47	---	64.95	16.48	N	OFF	19.6
0.399750	---	30.79	47.86	17.07	N	OFF	19.6
0.399750	41.23	---	57.86	16.63	N	OFF	19.6
0.433500	---	29.71	47.19	17.48	N	OFF	19.6
0.433500	39.87	---	57.19	17.32	N	OFF	19.6
0.469500	---	31.61	46.52	14.91	N	OFF	19.6
0.469500	40.94	---	56.52	15.58	N	OFF	19.6
0.496500	---	29.83	46.06	16.23	N	OFF	19.6
0.496500	40.65	---	56.06	15.41	N	OFF	19.6
0.530250	---	35.20	46.00	10.80	N	OFF	19.6
0.530250	41.36	---	56.00	14.64	N	OFF	19.6
0.570750	---	36.47	46.00	9.53	N	OFF	19.6
0.570750	45.67	---	56.00	10.33	N	OFF	19.6
0.597750	---	34.53	46.00	11.47	N	OFF	19.6
0.597750	40.81	---	56.00	15.19	N	OFF	19.6
0.640500	---	31.64	46.00	14.36	N	OFF	19.6
0.640500	43.01	---	56.00	12.99	N	OFF	19.6
0.667500	---	30.57	46.00	15.43	N	OFF	19.6
0.667500	41.27	---	56.00	14.73	N	OFF	19.6
0.708000	---	30.29	46.00	15.71	N	OFF	19.6

0.708000	40.29	---	56.00	15.71	N	OFF	19.6
0.741750	---	30.57	46.00	15.43	N	OFF	19.6
0.741750	41.06	---	56.00	14.94	N	OFF	19.6
0.764250	---	30.08	46.00	15.92	N	OFF	19.6
0.764250	40.87	---	56.00	15.13	N	OFF	19.6
0.809250	---	30.61	46.00	15.39	N	OFF	19.6
0.809250	41.42	---	56.00	14.58	N	OFF	19.6
0.843000	---	31.00	46.00	15.00	N	OFF	19.6
0.843000	42.41	---	56.00	13.59	N	OFF	19.6
0.876750	---	30.56	46.00	15.44	N	OFF	19.6
0.876750	42.14	---	56.00	13.86	N	OFF	19.6
0.910500	---	30.15	46.00	15.85	N	OFF	19.6
0.910500	40.88	---	56.00	15.12	N	OFF	19.6
0.944250	---	30.03	46.00	15.97	N	OFF	19.6
0.944250	40.92	---	56.00	15.08	N	OFF	19.6
0.966750	---	29.22	46.00	16.78	N	OFF	19.6
0.966750	39.69	---	56.00	16.31	N	OFF	19.6
0.998250	---	28.24	46.00	17.76	N	OFF	19.6
0.998250	40.14	---	56.00	15.86	N	OFF	19.6
1.045500	---	30.05	46.00	15.95	N	OFF	19.6
1.045500	42.63	---	56.00	13.37	N	OFF	19.6
1.081500	---	28.81	46.00	17.19	N	OFF	19.6
1.081500	41.17	---	56.00	14.83	N	OFF	19.6
1.131000	---	28.29	46.00	17.71	N	OFF	19.6
1.131000	40.37	---	56.00	15.63	N	OFF	19.6
1.169250	---	28.20	46.00	17.80	N	OFF	19.6
1.169250	41.16	---	56.00	14.84	N	OFF	19.6
1.205250	---	27.91	46.00	18.09	N	OFF	19.6
1.205250	40.90	---	56.00	15.10	N	OFF	19.6
1.243500	---	29.36	46.00	16.64	N	OFF	19.6
1.243500	41.10	---	56.00	14.90	N	OFF	19.6
1.284000	---	29.19	46.00	16.81	N	OFF	19.7
1.284000	41.08	---	56.00	14.92	N	OFF	19.7
2.361750	---	29.96	46.00	16.04	N	OFF	19.7
2.361750	40.73	---	56.00	15.27	N	OFF	19.7
13.872750	---	27.54	50.00	22.46	N	OFF	20.2
13.872750	37.81	---	60.00	22.19	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu and Howard Huang	Temperature :	22~28.1°C
		Relative Humidity :	53.3~67.5%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5141.96	55.18	-18.82	74	44.54	34.1	11.83	35.29	112	21	P	H
		5141.7	52.56	-1.44	54	41.92	34.1	11.83	35.29	112	21	A	H
	*	5180	104.23	-	-	93.4	34.22	11.88	35.27	110	23	P	H
	*	5180	96.63	-	-	85.8	34.22	11.88	35.27	110	23	A	H
													H
													H
		5141.7	53.6	-20.4	74	42.96	34.1	11.83	35.29	334	100	P	V
		5141.44	50.16	-3.84	54	39.52	34.1	11.83	35.29	334	100	A	V
	*	5180	103.26	-	-	92.43	34.22	11.88	35.27	334	100	P	V
	*	5180	94.88	-	-	84.05	34.22	11.88	35.27	334	100	A	V
													V
													V
802.11a CH 44 5220MHz		5145.86	49.67	-24.33	74	39.01	34.1	11.84	35.28	107	23	P	H
		5150	39.47	-14.53	54	28.81	34.1	11.84	35.28	107	23	A	H
	*	5220	108.21	-	-	97.17	34.38	11.91	35.25	107	23	P	H
	*	5220	100.01	-	-	88.97	34.38	11.91	35.25	107	23	A	H
		5442.64	50.21	-23.79	74	38.59	34.7	12.06	35.14	107	23	P	H
		5459.72	39.62	-14.38	54	27.97	34.7	12.08	35.13	107	23	A	H
		5011.7	49.89	-24.11	74	39.48	34.08	11.68	35.35	100	224	P	V
		5150	39.38	-14.62	54	28.72	34.1	11.84	35.28	100	224	A	V
	*	5220	106.15	-	-	95.11	34.38	11.91	35.25	100	224	P	V
	*	5220	98.06	-	-	87.02	34.38	11.91	35.25	100	224	A	V
		5439.84	49.41	-24.59	74	37.79	34.7	12.06	35.14	100	224	P	V
		5456.36	39.62	-14.38	54	27.98	34.7	12.07	35.13	100	224	A	V

802.11a CH 48 5240MHz		5135.72	49.67	-24.33	74	39.03	34.1	11.83	35.29	100	24	P	H
		5124.8	39.22	-14.78	54	28.6	34.1	11.81	35.29	100	24	A	H
	*	5240	108.75	-	-	97.61	34.46	11.92	35.24	100	24	P	H
	*	5240	100.82	-	-	89.68	34.46	11.92	35.24	100	24	A	H
		5375.44	49.81	-24.19	74	38.33	34.65	12	35.17	100	24	P	H
		5355.28	42.35	-11.65	54	30.93	34.61	11.99	35.18	100	24	A	H
		5085.54	50.18	-23.82	74	39.65	34.07	11.77	35.31	100	232	P	V
		5124.8	39.01	-14.99	54	28.39	34.1	11.81	35.29	100	232	A	V
	*	5240	106.45	-	-	95.31	34.46	11.92	35.24	100	232	P	V
	*	5240	98.22	-	-	87.08	34.46	11.92	35.24	100	232	A	V
		5350.8	49.92	-24.08	74	38.52	34.6	11.98	35.18	100	232	P	V
		5355.28	40.88	-13.12	54	29.46	34.61	11.99	35.18	100	232	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	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	45.48	-22.72	68.2	48.55	37.32	18.42	58.81	-	-	P	H
		13292	50.87	-23.13	74	48.63	39.18	20.99	57.93	-	-	P	H
		13292	37.3	-16.7	54	35.06	39.18	20.99	57.93	-	-	A	H
		14491	50.2	-23.8	74	46.18	39.58	21.96	57.52	-	-	P	H
		14491	38.92	-15.08	54	34.9	39.58	21.96	57.52	-	-	A	H
		15540	49.25	-24.75	74	43.2	40.2	22.59	56.74	-	-	P	H
		15540	38.57	-15.43	54	32.52	40.2	22.59	56.74	-	-	A	H
		17725	53.85	-20.15	74	43.2	41.53	24.3	55.18	-	-	P	H
		17725	41.23	-12.77	54	30.58	41.53	24.3	55.18	-	-	A	H
													H
													H
													H
		10360	45.51	-22.69	68.2	48.58	37.32	18.42	58.81	-	-	P	V
		13358	49.95	-24.05	74	47.76	39.08	21.05	57.94	-	-	P	V
		13358	37.84	-16.16	54	35.65	39.08	21.05	57.94	-	-	A	V
		14480	49.94	-24.06	74	45.95	39.56	21.96	57.53	-	-	P	V
		14480	39.46	-14.54	54	35.47	39.56	21.96	57.53	-	-	A	V
		15540	48.23	-25.77	74	42.18	40.2	22.59	56.74	-	-	P	V
		15540	38.53	-15.47	54	32.48	40.2	22.59	56.74	-	-	A	V
		17747	53.86	-20.14	74	43.17	41.55	24.31	55.17	-	-	P	V
		17747	42.04	-11.96	54	31.35	41.55	24.31	55.17	-	-	A	V
													V
													V
													V

WIFI Ant. 1	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	46.6	-21.6	68.2	49.32	37.52	18.48	58.72	-	-	P	H
		13336	49.2	-24.8	74	46.98	39.13	21.03	57.94	-	-	P	H
		13336	38.35	-15.65	54	36.13	39.13	21.03	57.94	-	-	A	H
		15660	48.7	-25.3	74	42.26	40.32	22.67	56.55	-	-	P	H
		15660	38.16	-15.84	54	31.72	40.32	22.67	56.55	-	-	A	H
		15910	51.42	-22.58	74	43.83	40.91	22.82	56.14	-	-	P	H
		15910	40.8	-13.2	54	33.21	40.91	22.82	56.14	-	-	A	H
		17879	53.32	-20.68	74	42.57	41.44	24.42	55.11	-	-	P	H
		17879	42.31	-11.69	54	31.56	41.44	24.42	55.11	-	-	A	H
													H
													H
802.11a CH 44 5220MHz													H
		10440	48.8	-19.4	68.2	51.52	37.52	18.48	58.72	-	-	P	V
		13358	49.79	-24.21	74	47.6	39.08	21.05	57.94	-	-	P	V
		13358	38.47	-15.53	54	36.28	39.08	21.05	57.94	-	-	A	V
		15660	48.8	-25.2	74	42.36	40.32	22.67	56.55	-	-	P	V
		15660	38.22	-15.78	54	31.78	40.32	22.67	56.55	-	-	A	V
		16020	51.9	-22.1	74	43.97	41.04	22.89	56	-	-	P	V
		16020	40.28	-13.72	54	32.35	41.04	22.89	56	-	-	A	V
		17769	53.65	-20.35	74	42.91	41.57	24.33	55.16	-	-	P	V
		17769	42.02	-11.98	54	31.28	41.57	24.33	55.16	-	-	A	V
													V
													V
													V

WIFI Ant. 1	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	47.16	-21.04	68.2	49.69	37.64	18.51	58.68	-	-	P	H
		12005	49.62	-24.38	74	47.35	38.71	19.74	56.18	-	-	P	H
		12005	38.39	-15.61	54	36.12	38.71	19.74	56.18	-	-	A	H
		13325	49.64	-24.36	74	47.41	39.15	21.02	57.94	-	-	P	H
		13325	38.41	-15.59	54	36.18	39.15	21.02	57.94	-	-	A	H
		15720	50.23	-23.77	74	43.52	40.46	22.7	56.45	-	-	P	H
		15720	39.08	-14.92	54	32.37	40.46	22.7	56.45	-	-	A	H
		17791	53.64	-20.36	74	42.85	41.59	24.35	55.15	-	-	P	H
		17791	42.01	-11.99	54	31.22	41.59	24.35	55.15	-	-	A	H
													H
													H
802.11a CH 48 5240MHz													H
		10480	48.34	-19.86	68.2	50.87	37.64	18.51	58.68	-	-	P	V
		12423	49.18	-24.82	74	46.66	39.02	20.14	56.64	-	-	P	V
		12423	38.27	-15.73	54	35.75	39.02	20.14	56.64	-	-	A	V
		13369	49.89	-24.11	74	47.71	39.06	21.06	57.94	-	-	P	V
		13369	38.45	-15.55	54	36.27	39.06	21.06	57.94	-	-	A	V
		15720	49.66	-24.34	74	42.95	40.46	22.7	56.45	-	-	P	V
		15720	39.07	-14.93	54	32.36	40.46	22.7	56.45	-	-	A	V
		17879	53.62	-20.38	74	42.87	41.44	24.42	55.11	-	-	P	V
		17879	42.57	-11.43	54	31.82	41.44	24.42	55.11	-	-	A	V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1	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)
		5141.96	55.08	-18.92	74	44.44	34.1	11.83	35.29	100	16	P	H
		5141.44	51.77	-2.23	54	41.13	34.1	11.83	35.29	100	16	A	H
	*	5180	102.73	-	-	91.9	34.22	11.88	35.27	100	16	P	H
	*	5180	94.43	-	-	83.6	34.22	11.88	35.27	100	16	A	H
802.11ac													H
VHT20													H
CH 36		5141.7	52.95	-21.05	74	42.31	34.1	11.83	35.29	100	233	P	V
5180MHz		5141.44	49.21	-4.79	54	38.57	34.1	11.83	35.29	100	233	A	V
	*	5180	99.61	-	-	88.78	34.22	11.88	35.27	100	233	P	V
	*	5180	91.09	-	-	80.26	34.22	11.88	35.27	100	233	A	V
													V
													V
		5147.94	51.44	-22.56	74	40.78	34.1	11.84	35.28	100	16	P	H
		5150	39.78	-14.22	54	29.12	34.1	11.84	35.28	100	16	A	H
	*	5220	107.84	-	-	96.8	34.38	11.91	35.25	100	16	P	H
	*	5220	99.44	-	-	88.4	34.38	11.91	35.25	100	16	A	H
802.11ac		5381.32	50.75	-23.25	74	39.26	34.66	12	35.17	100	16	P	H
VHT20		5457.76	39.55	-14.45	54	27.9	34.7	12.08	35.13	100	16	A	H
CH 44		5145.6	49.09	-24.91	74	38.43	34.1	11.84	35.28	100	224	P	V
5220MHz		5150	39.34	-14.66	54	28.68	34.1	11.84	35.28	100	224	A	V
	*	5220	106.49	-	-	95.45	34.38	11.91	35.25	100	224	P	V
	*	5220	98.18	-	-	87.14	34.38	11.91	35.25	100	224	A	V
		5430.88	50.17	-23.83	74	38.56	34.7	12.05	35.14	100	224	P	V
		5458.04	39.56	-14.44	54	27.91	34.7	12.08	35.13	100	224	A	V

		5045.24	49.18	-24.82	74	38.78	34.01	11.72	35.33	100	25	P	H
		5124.8	39	-15	54	28.38	34.1	11.81	35.29	100	25	A	H
	*	5240	107.78	-	-	96.64	34.46	11.92	35.24	100	25	P	H
	*	5240	99.73	-	-	88.59	34.46	11.92	35.24	100	25	A	H
802.11ac		5434.8	49.15	-24.85	74	37.54	34.7	12.05	35.14	100	25	P	H
VHT20		5355.28	41.37	-12.63	54	29.95	34.61	11.99	35.18	100	25	A	H
CH 48		5113.88	49.25	-24.75	74	38.65	34.1	11.8	35.3	100	232	P	V
5240MHz		5124.8	38.9	-15.1	54	28.28	34.1	11.81	35.29	100	232	A	V
	*	5240	106.6	-	-	95.46	34.46	11.92	35.24	100	232	P	V
	*	5240	98.36	-	-	87.22	34.46	11.92	35.24	100	232	A	V
		5351.92	50.19	-23.81	74	38.79	34.6	11.98	35.18	100	232	P	V
		5355.28	40.58	-13.42	54	29.16	34.61	11.99	35.18	100	232	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1	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	45.66	-22.54	68.2	48.73	37.32	18.42	58.81	-	-	P	H
		13369	49.77	-24.23	74	47.59	39.06	21.06	57.94	-	-	P	H
		13369	38.42	-15.58	54	36.24	39.06	21.06	57.94	-	-	A	H
		15540	48.75	-25.25	74	42.7	40.2	22.59	56.74	-	-	P	H
		15540	38.58	-15.42	54	32.53	40.2	22.59	56.74	-	-	A	H
		16031	51.8	-22.2	74	43.86	41.06	22.89	56.01	-	-	P	H
		16031	39.56	-14.44	54	31.62	41.06	22.89	56.01	-	-	A	H
		17758	54.25	-19.75	74	43.53	41.56	24.32	55.16	-	-	P	H
		17758	42.07	-11.93	54	31.35	41.56	24.32	55.16	-	-	A	H
													H
802.11ac													H
VHT20													H
CH 36		10360	45.48	-22.72	68.2	48.55	37.32	18.42	58.81	-	-	P	V
5180MHz		13380	49.96	-24.04	74	47.79	39.04	21.07	57.94	-	-	P	V
		13380	38.43	-15.57	54	36.26	39.04	21.07	57.94	-	-	A	V
		15540	48.8	-25.2	74	42.75	40.2	22.59	56.74	-	-	P	V
		15540	38.55	-15.45	54	32.5	40.2	22.59	56.74	-	-	A	V
		16075	52.07	-21.93	74	44.03	41.15	22.93	56.04	-	-	P	V
		16075	40.54	-13.46	54	32.5	41.15	22.93	56.04	-	-	A	V
		17868	53.8	-20.2	74	43.04	41.46	24.41	55.11	-	-	P	V
		17868	42.31	-11.69	54	31.55	41.46	24.41	55.11	-	-	A	V
													V
													V
													V

WIFI Ant. 1	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	46.21	-21.99	68.2	48.93	37.52	18.48	58.72	-	-	P	H
		13380	49.74	-24.26	74	47.57	39.04	21.07	57.94	-	-	P	H
		13380	38.37	-15.63	54	36.2	39.04	21.07	57.94	-	-	A	H
		15660	48.08	-25.92	74	41.64	40.32	22.67	56.55	-	-	P	H
		15660	38.2	-15.8	54	31.76	40.32	22.67	56.55	-	-	A	H
		16031	51.87	-22.13	74	43.93	41.06	22.89	56.01	-	-	P	H
		16031	40.48	-13.52	54	32.54	41.06	22.89	56.01	-	-	A	H
		17912	54.29	-19.71	74	43.52	41.41	24.45	55.09	-	-	P	H
		17912	42.38	-11.62	54	31.61	41.41	24.45	55.09	-	-	A	H
													H
802.11ac													H
VHT20													H
CH 44		10440	46.52	-21.68	68.2	49.24	37.52	18.48	58.72	-	-	P	V
5220MHz		13336	49.77	-24.23	74	47.55	39.13	21.03	57.94	-	-	P	V
		13336	38.51	-15.49	54	36.29	39.13	21.03	57.94	-	-	A	V
		15660	48.95	-25.05	74	42.51	40.32	22.67	56.55	-	-	P	V
		15660	38.28	-15.72	54	31.84	40.32	22.67	56.55	-	-	A	V
		16075	52.39	-21.61	74	44.35	41.15	22.93	56.04	-	-	P	V
		16075	40.55	-13.45	54	32.51	41.15	22.93	56.04	-	-	A	V
		17978	54.41	-19.59	74	43.49	41.48	24.5	55.06	-	-	P	V
		17978	42.13	-11.87	54	31.21	41.48	24.5	55.06	-	-	A	V
													V
													V
													V

WIFI Ant. 1	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	49.13	-19.07	68.2	51.66	37.64	18.51	58.68	-	-	P	H
		13281	50.04	-23.96	74	47.85	39.14	20.98	57.93	-	-	P	H
		13281	38.72	-15.28	54	36.53	39.14	20.98	57.93	-	-	A	H
		15720	49.3	-24.7	74	42.59	40.46	22.7	56.45	-	-	P	H
		15720	39.31	-14.69	54	32.6	40.46	22.7	56.45	-	-	A	H
		16119	51.33	-22.67	74	43.23	41.2	22.97	56.07	-	-	P	H
		16119	40.7	-13.3	54	32.6	41.2	22.97	56.07	-	-	A	H
		17912	53.84	-20.16	74	43.07	41.41	24.45	55.09	-	-	P	H
		17912	42.08	-11.92	54	31.31	41.41	24.45	55.09	-	-	A	H
													H
802.11ac													H
VHT20													H
CH 48		10480	51.75	-16.45	68.2	54.28	37.64	18.51	58.68	-	-	P	V
5240MHz		13380	50.28	-23.72	74	48.11	39.04	21.07	57.94	-	-	P	V
		13380	38.28	-15.72	54	36.11	39.04	21.07	57.94	-	-	A	V
		15720	49.22	-24.78	74	42.51	40.46	22.7	56.45	-	-	P	V
		15720	39.25	-14.75	54	32.54	40.46	22.7	56.45	-	-	A	V
		16086	51.97	-22.03	74	43.91	41.17	22.94	56.05	-	-	P	V
		16086	40.61	-13.39	54	32.55	41.17	22.94	56.05	-	-	A	V
		17890	54.23	-19.77	74	43.49	41.42	24.42	55.1	-	-	P	V
		17890	42.71	-11.29	54	31.97	41.42	24.42	55.1	-	-	A	V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11ac VHT40 CH 38 5190MHz		5150	58.48	-15.52	74	47.82	34.1	11.84	35.28	100	15	P	H
		5150	51.99	-2.01	54	41.33	34.1	11.84	35.28	100	15	A	H
	*	5190	103.79	-	-	92.91	34.26	11.89	35.27	100	15	P	H
	*	5190	95.92	-	-	85.04	34.26	11.89	35.27	100	15	A	H
		5397	50.24	-23.76	74	38.71	34.69	12.01	35.17	100	15	P	H
		5414.08	41.27	-12.73	54	29.7	34.7	12.03	35.16	100	15	A	H
		5149.76	56.59	-17.41	74	45.93	34.1	11.84	35.28	100	225	P	V
		5150	50.06	-3.94	54	39.4	34.1	11.84	35.28	100	225	A	V
	*	5190	102.51	-	-	91.63	34.26	11.89	35.27	100	225	P	V
	*	5190	94.42	-	-	83.54	34.26	11.89	35.27	100	225	A	V
		5452.72	50.18	-23.82	74	38.54	34.7	12.07	35.13	100	225	P	V
		5451.88	41.2	-12.8	54	29.56	34.7	12.07	35.13	100	225	A	V
802.11ac VHT40 CH 46 5230MHz		5147.94	54.06	-19.94	74	43.4	34.1	11.84	35.28	100	16	P	H
		5149.24	41.82	-12.18	54	31.16	34.1	11.84	35.28	100	16	A	H
	*	5230	105.88	-	-	94.78	34.42	11.92	35.24	100	16	P	H
	*	5230	98.09	-	-	86.99	34.42	11.92	35.24	100	16	A	H
		5358.36	52.19	-21.81	74	40.76	34.62	11.99	35.18	100	16	P	H
		5376	41.47	-12.53	54	29.99	34.65	12	35.17	100	16	A	H
		5148.72	51.93	-22.07	74	41.27	34.1	11.84	35.28	100	231	P	V
		5147.42	41.38	-12.62	54	30.72	34.1	11.84	35.28	100	231	A	V
	*	5230	104.23	-	-	93.13	34.42	11.92	35.24	100	231	P	V
	*	5230	96.2	-	-	85.1	34.42	11.92	35.24	100	231	A	V
		5456.92	49.75	-24.25	74	38.1	34.7	12.08	35.13	100	231	P	V
		5366.2	41.42	-12.58	54	29.98	34.63	11.99	35.18	100	231	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1	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	48.47	-19.73	68.2	51.09	37.58	18.5	58.7	-	-	P	H
		13369	49.89	-24.11	74	47.71	39.06	21.06	57.94	-	-	P	H
		13369	40.06	-13.94	54	37.88	39.06	21.06	57.94	-	-	A	H
		15690	48.96	-25.04	74	42.39	40.38	22.69	56.5	-	-	P	H
		15690	40.52	-13.48	54	33.95	40.38	22.69	56.5	-	-	A	H
		16053	52.45	-21.55	74	44.45	41.11	22.91	56.02	-	-	P	H
		16053	42.87	-11.13	54	34.87	41.11	22.91	56.02	-	-	A	H
		17912	53.69	-20.31	74	42.92	41.41	24.45	55.09	-	-	P	H
		17912	44.46	-9.54	54	33.69	41.41	24.45	55.09	-	-	A	H
													H
802.11ac													H
VHT40													H
CH 46		10460	49.05	-19.15	68.2	51.67	37.58	18.5	58.7	-	-	P	V
5230MHz		13369	50.04	-23.96	74	47.86	39.06	21.06	57.94	-	-	P	V
		13369	40.21	-13.79	54	38.03	39.06	21.06	57.94	-	-	A	V
		15690	48.88	-25.12	74	42.31	40.38	22.69	56.5	-	-	P	V
		15690	40.51	-13.49	54	33.94	40.38	22.69	56.5	-	-	A	V
		16053	52.21	-21.79	74	44.21	41.11	22.91	56.02	-	-	P	V
		16053	42.78	-11.22	54	34.78	41.11	22.91	56.02	-	-	A	V
		17890	53.98	-20.02	74	43.24	41.42	24.42	55.1	-	-	P	V
		17890	44.27	-9.73	54	33.53	41.42	24.42	55.1	-	-	A	V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11ac VHT80 CH 42 5210MHz		5148.72	61.06	-12.94	74	50.4	34.1	11.84	35.28	100	16	P	H
		5149.76	53.19	-0.81	54	42.53	34.1	11.84	35.28	100	16	A	H
	*	5210	101.7	-	-	90.7	34.34	11.91	35.25	100	16	P	H
	*	5210	94.51	-	-	83.51	34.34	11.91	35.25	100	16	A	H
		5396.72	50.92	-23.08	74	39.39	34.69	12.01	35.17	100	16	P	H
		5351.08	41.91	-12.09	54	30.51	34.6	11.98	35.18	100	16	A	H
		5150	58.06	-15.94	74	47.4	34.1	11.84	35.28	100	224	P	V
		5149.5	50.78	-3.22	54	40.12	34.1	11.84	35.28	100	224	A	V
	*	5210	100.28	-	-	89.28	34.34	11.91	35.25	100	224	P	V
	*	5210	92.31	-	-	81.31	34.34	11.91	35.25	100	224	A	V
		5452.44	50.19	-23.81	74	38.55	34.7	12.07	35.13	100	224	P	V
		5356.96	41.91	-12.09	54	30.49	34.61	11.99	35.18	100	224	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 (Band Edge @ 3m)

WIFI Ant. 1	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		5146.3	49	-25	74	38.34	34.1	11.84	35.28	106	24	P	H
		5144.9	39.11	-14.89	54	28.45	34.1	11.84	35.28	106	24	A	H
	*	5260	108.68	-	-	97.46	34.52	11.93	35.23	106	24	P	H
	*	5260	100.7	-	-	89.48	34.52	11.93	35.23	106	24	A	H
		5356.32	51.93	-22.07	74	40.51	34.61	11.99	35.18	106	24	P	H
		5375.04	40.89	-13.11	54	29.41	34.65	12	35.17	106	24	A	H
		5076.65	48.8	-25.2	74	38.3	34.05	11.76	35.31	106	225	P	V
		5144.55	39.05	-14.95	54	28.39	34.1	11.84	35.28	106	225	A	V
	*	5260	106.14	-	-	94.92	34.52	11.93	35.23	106	225	P	V
	*	5260	98.53	-	-	87.31	34.52	11.93	35.23	106	225	A	V
		5355.12	51.02	-22.98	74	39.6	34.61	11.99	35.18	106	225	P	V
		5375.04	40.77	-13.23	54	29.29	34.65	12	35.17	106	225	A	V
802.11a CH 60 5300MHz		5133.35	49.79	-24.21	74	39.16	34.1	11.82	35.29	102	22	P	H
		5149.45	38.73	-15.27	54	28.07	34.1	11.84	35.28	102	22	A	H
	*	5300	107.9	-	-	96.55	34.6	11.95	35.2	102	22	P	H
	*	5300	100.35	-	-	89	34.6	11.95	35.2	102	22	A	H
		5353.2	61.44	-12.56	74	50.03	34.61	11.98	35.18	102	22	P	H
		5350.08	42.27	-11.73	54	30.87	34.6	11.98	35.18	102	22	A	H
		5097.3	49.35	-24.65	74	38.78	34.09	11.78	35.3	100	225	P	V
		5135.45	38.72	-15.28	54	28.08	34.1	11.83	35.29	100	225	A	V
	*	5300	106.83	-	-	95.48	34.6	11.95	35.2	100	225	P	V
	*	5300	98.82	-	-	87.47	34.6	11.95	35.2	100	225	A	V
		5350.8	60.16	-13.84	74	48.76	34.6	11.98	35.18	100	225	P	V
		5350.32	41.77	-12.23	54	30.37	34.6	11.98	35.18	100	225	A	V

802.11a CH 64 5320MHz	*	5320	101.34	-	-	89.97	34.6	11.97	35.2	100	23	P	H
	*	5320	94.01	-	-	82.64	34.6	11.97	35.2	100	23	A	H
		5358.4	55.37	-18.63	74	43.94	34.62	11.99	35.18	100	23	P	H
		5358.4	53.55	-0.45	54	42.12	34.62	11.99	35.18	100	23	A	H
													H
													H
	*	5320	101.43	-	-	90.06	34.6	11.97	35.2	100	224	P	V
	*	5320	93.17	-	-	81.8	34.6	11.97	35.2	100	224	A	V
		5358.4	55.82	-18.18	74	44.39	34.62	11.99	35.18	100	224	P	V
		5358.4	52.92	-1.08	54	41.49	34.62	11.99	35.18	100	224	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	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	49.13	-19.07	68.2	51.56	37.66	18.56	58.65	-	-	P	H
		13347	49.76	-24.24	74	47.55	39.11	21.04	57.94	-	-	P	H
		13347	38.8	-15.2	54	36.59	39.11	21.04	57.94	-	-	A	H
		15780	50.01	-23.99	74	42.99	40.64	22.73	56.35	-	-	P	H
		15780	39.67	-14.33	54	32.65	40.64	22.73	56.35	-	-	A	H
		16042	52.73	-21.27	74	44.77	41.08	22.9	56.02	-	-	P	H
		16042	40.77	-13.23	54	32.81	41.08	22.9	56.02	-	-	A	H
		17769	54.4	-19.6	74	43.66	41.57	24.33	55.16	-	-	P	H
		17769	42.49	-11.51	54	31.75	41.57	24.33	55.16	-	-	A	H
													H
													H
													H
		10520	50.78	-17.42	68.2	53.21	37.66	18.56	58.65	-	-	P	V
		13391	50.46	-23.54	74	48.3	39.02	21.08	57.94	-	-	P	V
		13391	38.37	-15.63	54	36.21	39.02	21.08	57.94	-	-	A	V
		15780	49.8	-24.2	74	42.78	40.64	22.73	56.35	-	-	P	V
		15780	39.62	-14.38	54	32.6	40.64	22.73	56.35	-	-	A	V
		16119	51.6	-22.4	74	43.5	41.2	22.97	56.07	-	-	P	V
		16119	40.58	-13.42	54	32.48	41.2	22.97	56.07	-	-	A	V
		17758	54.88	-19.12	74	44.16	41.56	24.32	55.16	-	-	P	V
		17758	42.51	-11.49	54	31.79	41.56	24.32	55.16	-	-	A	V
													V
													V
													V

WIFI Ant. 1	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	49.36	-24.64	74	51.83	37.5	18.62	58.59	118	125	P	H
		10600	37.67	-16.33	54	40.14	37.5	18.62	58.59	118	125	A	H
		13358	49.77	-24.23	74	47.58	39.08	21.05	57.94	-	-	P	H
		13358	38.02	-15.98	54	35.83	39.08	21.05	57.94	-	-	A	H
		15900	52.18	-21.82	74	44.62	40.9	22.81	56.15	-	-	P	H
		15900	40.13	-13.87	54	32.57	40.9	22.81	56.15	-	-	A	H
		16064	51.75	-22.25	74	43.73	41.13	22.92	56.03	-	-	P	H
		16064	40.16	-13.84	54	32.14	41.13	22.92	56.03	-	-	A	H
		17923	53.98	-20.02	74	43.19	41.42	24.46	55.09	-	-	P	H
		17923	41.87	-12.13	54	31.08	41.42	24.46	55.09	-	-	A	H
													H
i802.11a CH 60 5300MHz													H
		10600	49.64	-24.36	74	52.11	37.5	18.62	58.59	100	347	P	V
		10600	39.29	-14.71	54	41.76	37.5	18.62	58.59	100	347	A	V
		13347	50.16	-23.84	74	47.95	39.11	21.04	57.94	-	-	P	V
		13347	38.06	-15.94	54	35.85	39.11	21.04	57.94	-	-	A	V
		15900	53.05	-20.95	74	45.49	40.9	22.81	56.15	-	-	P	V
		15900	41.01	-12.99	54	33.45	40.9	22.81	56.15	-	-	A	V
		16097	51.71	-22.29	74	43.61	41.19	22.96	56.05	-	-	P	V
		16097	40.58	-13.42	54	32.48	41.19	22.96	56.05	-	-	A	V
		17758	54.24	-19.76	74	43.52	41.56	24.32	55.16	-	-	P	V
		17758	42.35	-11.65	54	31.63	41.56	24.32	55.16	-	-	A	V
													V
													V

WIFI Ant. 1	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	47.45	-26.55	74	49.86	37.5	18.65	58.56	-	-	P	H
		13281	49.74	-24.26	74	47.55	39.14	20.98	57.93	-	-	P	H
		13281	38.36	-15.64	54	36.17	39.14	20.98	57.93	-	-	A	H
		14491	49.94	-24.06	74	45.92	39.58	21.96	57.52	-	-	P	H
		14491	39.75	-14.25	54	35.73	39.58	21.96	57.52	-	-	A	H
		15960	50.06	-23.94	74	42.31	40.96	22.85	56.06	-	-	P	H
		15960	40.05	-13.95	54	32.3	40.96	22.85	56.06	-	-	A	H
		17901	53.67	-20.33	74	42.94	41.4	24.43	55.1	-	-	P	H
		17901	42.64	-11.36	54	31.91	41.4	24.43	55.1	-	-	A	H
													H
													H
802.11a CH 64 5320MHz													H
		10640	47.07	-26.93	74	49.48	37.5	18.65	58.56	-	-	P	V
		13391	49.8	-24.2	74	47.64	39.02	21.08	57.94	-	-	P	V
		13391	38.42	-15.58	54	36.26	39.02	21.08	57.94	-	-	A	V
		14480	51.09	-22.91	74	47.1	39.56	21.96	57.53	-	-	P	V
		14480	39.71	-14.29	54	35.72	39.56	21.96	57.53	-	-	A	V
		15960	50.8	-23.2	74	43.05	40.96	22.85	56.06	-	-	P	V
		15960	40.07	-13.93	54	32.32	40.96	22.85	56.06	-	-	A	V
		17769	54.19	-19.81	74	43.45	41.57	24.33	55.16	-	-	P	V
		17769	42.37	-11.63	54	31.63	41.57	24.33	55.16	-	-	A	V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1	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)
		5105.35	49.43	-24.57	74	38.84	34.1	11.79	35.3	105	24	P	H
		5144.9	39.15	-14.85	54	28.49	34.1	11.84	35.28	105	24	A	H
	*	5260	108.91	-	-	97.69	34.52	11.93	35.23	105	24	P	H
	*	5260	100.62	-	-	89.4	34.52	11.93	35.23	105	24	A	H
802.11ac		5360.4	50.86	-23.14	74	39.43	34.62	11.99	35.18	105	24	P	H
VHT20		5375.04	40.88	-13.12	54	29.4	34.65	12	35.17	105	24	A	H
CH 52		5109.2	49.03	-24.97	74	38.43	34.1	11.8	35.3	105	225	P	V
5260MHz		5144.9	39.04	-14.96	54	28.38	34.1	11.84	35.28	105	225	A	V
	*	5260	106.79	-	-	95.57	34.52	11.93	35.23	105	225	P	V
	*	5260	98.42	-	-	87.2	34.52	11.93	35.23	105	225	A	V
		5372.16	50.79	-23.21	74	39.34	34.64	11.99	35.18	105	225	P	V
		5375.04	40.81	-13.19	54	29.33	34.65	12	35.17	105	225	A	V
		5090.3	49.81	-24.19	74	39.27	34.08	11.77	35.31	102	22	P	H
		5147.7	38.73	-15.27	54	28.07	34.1	11.84	35.28	102	22	A	H
	*	5300	108.81	-	-	97.46	34.6	11.95	35.2	102	22	P	H
	*	5300	100.6	-	-	89.25	34.6	11.95	35.2	102	22	A	H
802.11ac		5350.8	60.52	-13.48	74	49.12	34.6	11.98	35.18	102	22	P	H
VHT20		5350.08	42.35	-11.65	54	30.95	34.6	11.98	35.18	102	22	A	H
CH 60		5114.45	50.17	-23.83	74	39.57	34.1	11.8	35.3	100	225	P	V
5300MHz		5150	38.71	-15.29	54	28.05	34.1	11.84	35.28	100	225	A	V
	*	5300	106.55	-	-	95.2	34.6	11.95	35.2	100	225	P	V
	*	5300	98.23	-	-	86.88	34.6	11.95	35.2	100	225	A	V
		5354.64	57.35	-16.65	74	45.93	34.61	11.99	35.18	100	225	P	V
		5352.48	41.43	-12.57	54	30.03	34.6	11.98	35.18	100	225	A	V

	*	5320	100.8	-	-	89.43	34.6	11.97	35.2	105	26	P	H
	*	5320	92.26	-	-	80.89	34.6	11.97	35.2	105	26	A	H
		5358.56	53.91	-20.09	74	42.48	34.62	11.99	35.18	300	27	P	H
		5358.4	51.09	-2.91	54	39.66	34.62	11.99	35.18	300	27	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	98.48	-	-	87.11	34.6	11.97	35.2	100	225	P	V
5320MHz	*	5320	89.86	-	-	78.49	34.6	11.97	35.2	100	225	A	V
		5358.72	52.77	-21.23	74	41.34	34.62	11.99	35.18	100	225	P	V
		5358.4	48.9	-5.1	54	37.47	34.62	11.99	35.18	100	225	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 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1	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	52.28	-15.92	68.2	54.71	37.66	18.56	58.65	-	-	P	H
		13281	50.12	-23.88	74	47.93	39.14	20.98	57.93	-	-	P	H
		13281	38.44	-15.56	54	36.25	39.14	20.98	57.93	-	-	A	H
		14480	50.39	-23.61	74	46.4	39.56	21.96	57.53	-	-	P	H
		14480	39.73	-14.27	54	35.74	39.56	21.96	57.53	-	-	A	H
		15780	49.77	-24.23	74	42.75	40.64	22.73	56.35	-	-	P	H
		15780	39.71	-14.29	54	32.69	40.64	22.73	56.35	-	-	A	H
		17879	53.63	-20.37	74	42.88	41.44	24.42	55.11	-	-	P	H
		17879	42.84	-11.16	54	32.09	41.44	24.42	55.11	-	-	A	H
													H
802.11ac													H
VHT20													H
CH 52		10520	53.67	-14.53	68.2	56.1	37.66	18.56	58.65	-	-	P	V
5260MHz		13347	49.8	-24.2	74	47.59	39.11	21.04	57.94	-	-	P	V
		13347	38.16	-15.84	54	35.95	39.11	21.04	57.94	-	-	A	V
		14480	50.44	-23.56	74	46.45	39.56	21.96	57.53	-	-	P	V
		14480	39.05	-14.95	54	35.06	39.56	21.96	57.53	-	-	A	V
		15780	49.59	-24.41	74	42.57	40.64	22.73	56.35	-	-	P	V
		15780	38.92	-15.08	54	31.9	40.64	22.73	56.35	-	-	A	V
		17747	54.05	-19.95	74	43.36	41.55	24.31	55.17	-	-	P	V
		17747	41.8	-12.2	54	31.11	41.55	24.31	55.17	-	-	A	V
													V
													V
													V

WIFI Ant. 1	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	48.11	-25.89	74	50.58	37.5	18.62	58.59	100	66	P	H
		10600	38.12	-15.88	54	40.59	37.5	18.62	58.59	100	66	A	H
		13380	50.11	-23.89	74	47.94	39.04	21.07	57.94	-	-	P	H
		13380	38.55	-15.45	54	36.38	39.04	21.07	57.94	-	-	A	H
		14480	51.66	-22.34	74	47.67	39.56	21.96	57.53	-	-	P	H
		14480	39.71	-14.29	54	35.72	39.56	21.96	57.53	-	-	A	H
		15900	51.93	-22.07	74	44.34	40.91	22.82	56.14	-	-	P	H
		15900	41.08	-12.92	54	33.49	40.91	22.82	56.14	-	-	A	H
		17791	54.04	-19.96	74	43.25	41.59	24.35	55.15	-	-	P	H
		17791	42.32	-11.68	54	31.53	41.59	24.35	55.15	-	-	A	H
802.11ac													H
VHT20													H
CH 60		10600	49.55	-24.45	74	52.02	37.5	18.62	58.59	100	347	P	V
5300MHz		10600	40.62	-13.38	54	43.09	37.5	18.62	58.59	100	347	A	V
		13391	49.81	-24.19	74	47.65	39.02	21.08	57.94	-	-	P	V
		13391	38.48	-15.52	54	36.32	39.02	21.08	57.94	-	-	A	V
		14491	50.73	-23.27	74	46.71	39.58	21.96	57.52	-	-	P	V
		14491	39.83	-14.17	54	35.81	39.58	21.96	57.52	-	-	A	V
		15900	51.56	-22.44	74	44.01	40.9	22.81	56.16	-	-	P	V
		15900	41.1	-12.9	54	33.55	40.9	22.81	56.16	-	-	A	V
		17890	54.02	-19.98	74	43.28	41.42	24.42	55.1	-	-	P	V
		17890	42.73	-11.27	54	31.99	41.42	24.42	55.1	-	-	A	V
													V
													V

WIFI Ant. 1	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	47.1	-26.9	74	49.51	37.5	18.65	58.56	-	-	P	H
		13380	49.91	-24.09	74	47.74	39.04	21.07	57.94	-	-	P	H
		13380	38.58	-15.42	54	36.41	39.04	21.07	57.94	-	-	A	H
		14491	50.22	-23.78	74	46.2	39.58	21.96	57.52	-	-	P	H
		14491	39.76	-14.24	54	35.74	39.58	21.96	57.52	-	-	A	H
		15960	50.8	-23.2	74	43.05	40.96	22.85	56.06	-	-	P	H
		15960	40.16	-13.84	54	32.41	40.96	22.85	56.06	-	-	A	H
		17890	54.21	-19.79	74	43.47	41.42	24.42	55.1	-	-	P	H
		17890	42.81	-11.19	54	32.07	41.42	24.42	55.1	-	-	A	H
													H
802.11ac													H
VHT20													H
CH 64		10640	46.58	-27.42	74	48.99	37.5	18.65	58.56	-	-	P	V
5320MHz		13292	49.67	-24.33	74	47.43	39.18	20.99	57.93	-	-	P	V
		13292	38.51	-15.49	54	36.27	39.18	20.99	57.93	-	-	A	V
		14491	50.16	-23.84	74	46.14	39.58	21.96	57.52	-	-	P	V
		14491	39.85	-14.15	54	35.83	39.58	21.96	57.52	-	-	A	V
		15960	50.22	-23.78	74	42.47	40.96	22.85	56.06	-	-	P	V
		15960	40.19	-13.81	54	32.44	40.96	22.85	56.06	-	-	A	V
		17912	53.76	-20.24	74	42.99	41.41	24.45	55.09	-	-	P	V
		17912	42.73	-11.27	54	31.96	41.41	24.45	55.09	-	-	A	V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11ac VHT40 CH 54 5270MHz		5021.35	48.9	-25.1	74	38.49	34.06	11.69	35.34	100	27	P	H
		5136.15	40.3	-13.7	54	29.66	34.1	11.83	35.29	100	27	A	H
	*	5270	106.31	-	-	95.06	34.54	11.94	35.23	100	27	P	H
	*	5270	97.51	-	-	86.26	34.54	11.94	35.23	100	27	A	H
		5356.08	55.74	-18.26	74	44.32	34.61	11.99	35.18	100	27	P	H
		5385.12	45.75	-8.25	54	34.25	34.67	12	35.17	100	27	A	H
		5040.6	48.57	-25.43	74	38.17	34.02	11.72	35.34	100	226	P	V
		5144.9	40.34	-13.66	54	29.68	34.1	11.84	35.28	100	226	A	V
	*	5270	105.65	-	-	94.4	34.54	11.94	35.23	100	226	P	V
	*	5270	96.69	-	-	85.44	34.54	11.94	35.23	100	226	A	V
		5355.12	55.38	-18.62	74	43.96	34.61	11.99	35.18	100	226	P	V
		5385.12	45.03	-8.97	54	33.53	34.67	12	35.17	100	226	A	V
802.11ac VHT40 CH 62 5310MHz		5088.9	48.67	-25.33	74	38.13	34.08	11.77	35.31	103	22	P	H
		5120.4	40.28	-13.72	54	29.66	34.1	11.81	35.29	103	22	A	H
	*	5310	105.25	-	-	93.89	34.6	11.96	35.2	103	22	P	H
	*	5310	96.47	-	-	85.11	34.6	11.96	35.2	103	22	A	H
		5350.08	60.53	-13.47	74	49.13	34.6	11.98	35.18	103	22	P	H
		5350.08	53.68	-0.32	54	42.28	34.6	11.98	35.18	103	22	A	H
		5062.65	48.41	-25.59	74	37.97	34.03	11.74	35.33	100	230	P	V
		5122.15	40.43	-13.57	54	29.81	34.1	11.81	35.29	100	230	A	V
	*	5310	101.86	-	-	90.5	34.6	11.96	35.2	100	230	P	V
	*	5310	93.13	-	-	81.77	34.6	11.96	35.2	100	230	A	V
		5354.88	58.44	-15.56	74	47.02	34.61	11.99	35.18	100	230	P	V
		5350.08	50.05	-3.95	54	38.65	34.6	11.98	35.18	100	230	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1	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	46.81	-21.39	68.2	49.25	37.62	18.57	58.63	-	-	P	H
		13358	49.68	-24.32	74	47.49	39.08	21.05	57.94	-	-	P	H
		13358	40.14	-13.86	54	37.95	39.08	21.05	57.94	-	-	A	H
		14480	50.4	-23.6	74	46.41	39.56	21.96	57.53	-	-	P	H
		14480	41.13	-12.87	54	37.14	39.56	21.96	57.53	-	-	A	H
		15810	49.22	-24.78	74	42.04	40.72	22.76	56.3	-	-	P	H
		15810	40.95	-13.05	54	33.77	40.72	22.76	56.3	-	-	A	H
		17758	54.45	-19.55	74	43.73	41.56	24.32	55.16	-	-	P	H
		17758	44.41	-9.59	54	33.69	41.56	24.32	55.16	-	-	A	H
													H
802.11ac													H
VHT40													H
CH 54		10540	48.68	-19.52	68.2	51.12	37.62	18.57	58.63	-	-	P	V
5270MHz		13358	50.26	-23.74	74	48.07	39.08	21.05	57.94	-	-	P	V
		13358	40.26	-13.74	54	38.07	39.08	21.05	57.94	-	-	A	V
		14480	51.15	-22.85	74	47.16	39.56	21.96	57.53	-	-	P	V
		14480	41.18	-12.82	54	37.19	39.56	21.96	57.53	-	-	A	V
		15810	48.9	-25.1	74	41.72	40.72	22.76	56.3	-	-	P	V
		15810	40.92	-13.08	54	33.74	40.72	22.76	56.3	-	-	A	V
		17890	54.18	-19.82	74	43.44	41.42	24.42	55.1	-	-	P	V
		17890	44.38	-9.62	54	33.64	41.42	24.42	55.1	-	-	A	V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11ac VHT80 CH 58 5290MHz		5095.2	50.25	-23.75	74	39.68	34.09	11.78	35.3	100	26	P	H
		5134.75	40.34	-13.66	54	29.71	34.1	11.82	35.29	100	26	A	H
	*	5290	99.48	-	-	88.17	34.58	11.95	35.22	100	26	P	H
	*	5290	91.11	-	-	79.8	34.58	11.95	35.22	100	26	A	H
		5350.08	58.72	-15.28	74	47.32	34.6	11.98	35.18	100	26	P	H
		5350.32	52.53	-1.47	54	41.13	34.6	11.98	35.18	100	26	A	H
		5142.45	48.82	-25.18	74	38.18	34.1	11.83	35.29	100	226	P	V
		5109.55	40.3	-13.7	54	29.7	34.1	11.8	35.3	100	226	A	V
	*	5290	97.55	-	-	86.24	34.58	11.95	35.22	100	226	P	V
	*	5290	89.41	-	-	78.1	34.58	11.95	35.22	100	226	A	V
		5355.12	56.99	-17.01	74	45.57	34.61	11.99	35.18	100	226	P	V
		5350.32	49.97	-4.03	54	38.57	34.6	11.98	35.18	100	226	A	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 (Band Edge @ 3m)

WIFI Ant. 1	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		5449.68	59.63	-14.37	74	48	34.7	12.07	35.14	104	352	P	H
		5461.84	61.55	-6.65	68.2	49.9	34.7	12.08	35.13	104	352	P	H
		5459.92	43.94	-10.06	54	32.29	34.7	12.08	35.13	104	352	A	H
	*	5500	108.74	-	-	97.04	34.7	12.12	35.12	104	352	P	H
	*	5500	100.58	-	-	88.88	34.7	12.12	35.12	104	352	A	H
													H
		5457.68	57.27	-16.73	74	45.62	34.7	12.08	35.13	298	102	P	V
		5461.84	60.8	-7.4	68.2	49.15	34.7	12.08	35.13	298	102	P	V
		5458.64	40.9	-13.1	54	29.25	34.7	12.08	35.13	298	102	A	V
	*	5500	104.08	-	-	92.38	34.7	12.12	35.12	298	102	P	V
	*	5500	96.37	-	-	84.67	34.7	12.12	35.12	298	102	A	V
													V
802.11a CH 116 5580MHz		5451.04	49.86	-24.14	74	38.22	34.7	12.07	35.13	100	356	P	H
		5468.56	50.15	-18.05	68.2	38.49	34.7	12.09	35.13	100	356	P	H
		5459.92	39.81	-14.19	54	28.16	34.7	12.08	35.13	100	356	A	H
	*	5580	107.79	-	-	96.01	34.7	12.22	35.14	100	356	P	H
	*	5580	99.84	-	-	88.06	34.7	12.22	35.14	100	356	A	H
		5760.905	50.46	-17.74	68.2	38.12	35.2	12.31	35.17	100	356	P	H
		5450.56	50.77	-23.23	74	39.13	34.7	12.07	35.13	273	112	P	V
		5469.04	48.52	-19.68	68.2	36.86	34.7	12.09	35.13	273	112	P	V
		5459.2	39.5	-14.5	54	27.85	34.7	12.08	35.13	273	112	A	V
	*	5580	103.01	-	-	91.23	34.7	12.22	35.14	273	112	P	V
	*	5580	94.88	-	-	83.1	34.7	12.22	35.14	273	112	A	V
		5759.96	50.69	-17.51	68.2	38.35	35.2	12.31	35.17	273	112	P	V

802.11a CH 140 5700MHz	*	5700	107.3	-	-	95.28	34.9	12.28	35.16	100	356	P	H
	*	5700	99.23	-	-	87.21	34.9	12.28	35.16	100	356	A	H
		5732.84	60.96	-7.24	68.2	48.73	35.1	12.3	35.17	100	356	P	H
													H
													H
													H
	*	5700	100.17	-	-	88.15	34.9	12.28	35.16	270	114	P	V
	*	5700	92.01	-	-	79.99	34.9	12.28	35.16	270	114	A	V
		5731.88	54.41	-13.79	68.2	42.19	35.09	12.3	35.17	270	114	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	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		11000	46.44	-27.56	74	47.8	37.99	18.93	58.28	-	-	P	H
		14491	50.74	-23.26	74	46.72	39.58	21.96	57.52	-	-	P	H
		14491	39.6	-14.4	54	35.58	39.58	21.96	57.52	-	-	A	H
		16064	52.44	-21.56	74	44.42	41.13	22.92	56.03	-	-	P	H
		16064	41.24	-12.76	54	33.22	41.13	22.92	56.03	-	-	A	H
		16500	52.49	-15.71	68.2	43.43	42.08	23.29	56.31	-	-	P	H
		17879	53.84	-20.16	74	43.09	41.44	24.42	55.11	-	-	P	H
		17879	42.51	-11.49	54	31.76	41.44	24.42	55.11	-	-	A	H
													H
													H
													H
													H
		11000	47.76	-26.24	74	49.12	37.99	18.93	58.28	-	-	P	V
		14491	50.08	-23.92	74	46.06	39.58	21.96	57.52	-	-	P	V
		14491	39.6	-14.4	54	35.58	39.58	21.96	57.52	-	-	A	V
		15888	52	-22	74	44.49	40.88	22.8	56.17	-	-	P	V
		15888	40.96	-13.04	54	33.45	40.88	22.8	56.17	-	-	A	V
		16500	52.48	-15.72	68.2	43.42	42.08	23.29	56.31	-	-	P	V
		17978	53.6	-20.4	74	42.68	41.48	24.5	55.06	-	-	P	V
		17978	42.33	-11.67	54	31.41	41.48	24.5	55.06	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	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	45.97	-28.03	74	46.88	37.86	19.06	57.83	-	-	P	H
		14491	49.27	-24.73	74	45.25	39.58	21.96	57.52	-	-	P	H
		14491	39.13	-14.87	54	35.11	39.58	21.96	57.52	-	-	A	H
		16097	51.72	-22.28	74	43.62	41.19	22.96	56.05	-	-	P	H
		16097	40.42	-13.58	54	32.32	41.19	22.96	56.05	-	-	A	H
		16740	52.22	-15.98	68.2	42.79	42.14	23.48	56.19	-	-	P	H
		17912	54.26	-19.74	74	43.49	41.41	24.45	55.09	-	-	P	H
		17912	42.12	-11.88	54	31.35	41.41	24.45	55.09	-	-	A	H
													H
													H
													H
802.11a													H
CH 116		11160	47.23	-26.77	74	48.14	37.86	19.06	57.83	-	-	P	V
5580MHz		14491	49.92	-24.08	74	45.9	39.58	21.96	57.52	-	-	P	V
		14491	39.13	-14.87	54	35.11	39.58	21.96	57.52	-	-	A	V
		16064	51.52	-22.48	74	43.5	41.13	22.92	56.03	-	-	P	V
		16064	40.68	-13.32	54	32.66	41.13	22.92	56.03	-	-	A	V
		16740	51.82	-16.38	68.2	42.39	42.14	23.48	56.19	-	-	P	V
		17912	53.26	-20.74	74	42.49	41.41	24.45	55.09	-	-	P	V
		17912	42.12	-11.88	54	31.35	41.41	24.45	55.09	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	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	47.64	-26.36	74	47.33	38.2	19.25	57.14	-	-	P	H
		14491	49.6	-24.4	74	45.58	39.58	21.96	57.52	-	-	P	H
		14491	39.07	-14.93	54	35.05	39.58	21.96	57.52	-	-	A	H
		15888	51.91	-22.09	74	44.4	40.88	22.8	56.17	-	-	P	H
		15888	40.32	-13.68	54	32.81	40.88	22.8	56.17	-	-	A	H
		17100	51.75	-16.45	68.2	42.27	41.6	23.78	55.9	-	-	P	H
		17923	53.04	-20.96	74	42.25	41.42	24.46	55.09	-	-	P	H
		17923	42.14	-11.86	54	31.35	41.42	24.46	55.09	-	-	A	H
													H
													H
													H
802.11a CH 140 5700MHz													H
		11400	46.7	-27.3	74	46.39	38.2	19.25	57.14	-	-	P	V
		14491	49.27	-24.73	74	45.25	39.58	21.96	57.52	-	-	P	V
		14491	39.14	-14.86	54	35.12	39.58	21.96	57.52	-	-	A	V
		15921	51.57	-22.43	74	43.95	40.92	22.82	56.12	-	-	P	V
		15921	40.51	-13.49	54	32.89	40.92	22.82	56.12	-	-	A	V
		17100	50.96	-17.24	68.2	41.48	41.6	23.78	55.9	-	-	P	V
		17945	53.81	-20.19	74	42.97	41.44	24.48	55.08	-	-	P	V
		17945	42.04	-11.96	54	31.2	41.44	24.48	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 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1	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)
		5454.48	61.44	-12.56	74	49.8	34.7	12.07	35.13	106	351	P	H
		5468.08	62.75	-5.45	68.2	51.09	34.7	12.09	35.13	106	351	P	H
		5460	42.85	-11.15	54	31.2	34.7	12.08	35.13	106	351	A	H
	*	5500	108.82	-	-	97.12	34.7	12.12	35.12	106	351	P	H
802.11ac	*	5500	100.78	-	-	89.08	34.7	12.12	35.12	106	351	A	H
VHT20													H
CH 100		5451.92	57.87	-16.13	74	46.23	34.7	12.07	35.13	298	102	P	V
5500MHz		5461.84	58.71	-9.49	68.2	47.06	34.7	12.08	35.13	298	102	P	V
		5460	41.07	-12.93	54	29.42	34.7	12.08	35.13	298	102	A	V
	*	5500	104.68	-	-	92.98	34.7	12.12	35.12	298	102	P	V
	*	5500	96.61	-	-	84.91	34.7	12.12	35.12	298	102	A	V
													V
		5425.36	50.52	-23.48	74	38.92	34.7	12.04	35.14	100	356	P	H
		5465.2	49.17	-19.03	68.2	37.52	34.7	12.08	35.13	100	356	P	H
		5459.92	39.83	-14.17	54	28.18	34.7	12.08	35.13	100	356	A	H
	*	5580	108.35	-	-	96.57	34.7	12.22	35.14	100	356	P	H
802.11ac	*	5580	99.89	-	-	88.11	34.7	12.22	35.14	100	356	A	H
VHT20		5755.865	51.53	-16.67	68.2	39.19	35.2	12.31	35.17	100	356	P	H
CH 116		5448.64	49.36	-24.64	74	37.73	34.7	12.07	35.14	273	112	P	V
5580MHz		5469.04	50.31	-17.89	68.2	38.65	34.7	12.09	35.13	273	112	P	V
		5459.92	39.54	-14.46	54	27.89	34.7	12.08	35.13	273	112	A	V
	*	5580	103.27	-	-	91.49	34.7	12.22	35.14	273	112	P	V
	*	5580	95.02	-	-	83.24	34.7	12.22	35.14	273	112	A	V
		5747.675	50.03	-18.17	68.2	37.7	35.19	12.31	35.17	273	112	P	V

	*	5700	107.59	-	-	95.57	34.9	12.28	35.16	100	356	P	H
	*	5700	99.13	-	-	87.11	34.9	12.28	35.16	100	356	A	H
		5731.88	65.02	-3.18	68.2	52.8	35.09	12.3	35.17	100	356	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	100.62	-	-	88.6	34.9	12.28	35.16	270	114	P	V
5700MHz	*	5700	92.13	-	-	80.11	34.9	12.28	35.16	270	114	A	V
		5738.12	60.53	-7.67	68.2	48.27	35.13	12.3	35.17	270	114	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 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1	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	47.37	-26.63	74	48.73	38	18.93	58.29	-	-	P	H
		14491	49.33	-24.67	74	45.31	39.58	21.96	57.52	-	-	P	H
		14491	39.13	-14.87	54	35.11	39.58	21.96	57.52	-	-	A	H
		16185	51.29	-22.71	74	43.18	41.2	23.02	56.11	-	-	P	H
		16185	39.53	-14.47	54	31.42	41.2	23.02	56.11	-	-	A	H
		16500	52.47	-15.73	68.2	43.39	42.1	23.29	56.31	-	-	P	H
		17835	53.7	-20.3	74	42.92	41.53	24.38	55.13	-	-	P	H
		17835	41.65	-12.35	54	30.87	41.53	24.38	55.13	-	-	A	H
													H
													H
802.11ac													H
VHT20													H
CH 100		11000	46.69	-27.31	74	48.05	38	18.93	58.29	-	-	P	V
5500MHz		14491	49.98	-24.02	74	45.96	39.58	21.96	57.52	-	-	P	V
		14491	39.16	-14.84	54	35.14	39.58	21.96	57.52	-	-	A	V
		16064	51.15	-22.85	74	43.13	41.13	22.92	56.03	-	-	P	V
		16064	40.58	-13.42	54	32.56	41.13	22.92	56.03	-	-	A	V
		16500	51.52	-16.68	68.2	42.44	42.1	23.29	56.31	-	-	P	V
		17890	53.81	-20.19	74	43.07	41.42	24.42	55.1	-	-	P	V
		17890	42.21	-11.79	54	31.47	41.42	24.42	55.1	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	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	46.57	-27.43	74	47.48	37.86	19.06	57.83	-	-	P	H
		14491	49.5	-24.5	74	45.48	39.58	21.96	57.52	-	-	P	H
		14491	39.05	-14.95	54	35.03	39.58	21.96	57.52	-	-	A	H
		16075	51.49	-22.51	74	43.45	41.15	22.93	56.04	-	-	P	H
		16075	40.42	-13.58	54	32.38	41.15	22.93	56.04	-	-	A	H
		16740	52.71	-15.49	68.2	43.28	42.14	23.48	56.19	-	-	P	H
		17868	53.41	-20.59	74	42.65	41.46	24.41	55.11	-	-	P	H
		17868	42.04	-11.96	54	31.28	41.46	24.41	55.11	-	-	A	H
													H
													H
802.11ac													H
VHT20													H
CH 116		11160	47.54	-26.46	74	48.45	37.86	19.06	57.83	-	-	P	V
5580MHz		14491	50.07	-23.93	74	46.05	39.58	21.96	57.52	-	-	P	V
		14491	39.19	-14.81	54	35.17	39.58	21.96	57.52	-	-	A	V
		15910	51.38	-22.62	74	43.79	40.91	22.82	56.14	-	-	P	V
		15910	40.58	-13.42	54	32.99	40.91	22.82	56.14	-	-	A	V
		16740	51.56	-16.64	68.2	42.13	42.14	23.48	56.19	-	-	P	V
		17945	53.75	-20.25	74	42.91	41.44	24.48	55.08	-	-	P	V
		17945	42.21	-11.79	54	31.37	41.44	24.48	55.08	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	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	47.71	-26.29	74	47.4	38.2	19.25	57.14	-	-	P	H
		14491	50.2	-23.8	74	46.18	39.58	21.96	57.52	-	-	P	H
		14491	39.1	-14.9	54	35.08	39.58	21.96	57.52	-	-	A	H
		16042	52.13	-21.87	74	44.17	41.08	22.9	56.02	-	-	P	H
		16042	40.39	-13.61	54	32.43	41.08	22.9	56.02	-	-	A	H
		17100	51.98	-16.22	68.2	42.5	41.6	23.78	55.9	-	-	P	H
		17945	53.34	-20.66	74	42.5	41.44	24.48	55.08	-	-	P	H
		17945	42.11	-11.89	54	31.27	41.44	24.48	55.08	-	-	A	H
													H
													H
802.11ac													H
VHT20													H
CH 140		11400	47.57	-26.43	74	47.26	38.2	19.25	57.14	-	-	P	V
5700MHz		14491	49.74	-24.26	74	45.72	39.58	21.96	57.52	-	-	P	V
		14491	39.18	-14.82	54	35.16	39.58	21.96	57.52	-	-	A	V
		16064	51.8	-22.2	74	43.78	41.13	22.92	56.03	-	-	P	V
		16064	40.56	-13.44	54	32.54	41.13	22.92	56.03	-	-	A	V
		17100	52.06	-16.14	68.2	42.58	41.6	23.78	55.9	-	-	P	V
		17901	53.61	-20.39	74	42.88	41.4	24.43	55.1	-	-	P	V
		17901	42.18	-11.82	54	31.45	41.4	24.43	55.1	-	-	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 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1	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)
		5459.68	61.08	-12.92	74	49.43	34.7	12.08	35.13	100	351	P	H
		5468.32	66.51	-1.69	68.2	54.85	34.7	12.09	35.13	100	351	P	H
		5459.92	51.31	-2.69	54	39.66	34.7	12.08	35.13	100	351	A	H
	*	5510	105.97	-	-	94.25	34.7	12.14	35.12	100	351	P	H
802.11ac	*	5510	97.41	-	-	85.69	34.7	12.14	35.12	100	351	A	H
VHT40		5736.02	50.37	-17.83	68.2	38.12	35.12	12.3	35.17	100	351	P	H
CH 102		5450.08	58.26	-15.74	74	46.62	34.7	12.07	35.13	280	116	P	V
5510MHz		5469.76	63.65	-4.55	68.2	51.99	34.7	12.09	35.13	280	116	P	V
		5459.92	48.67	-5.33	54	37.02	34.7	12.08	35.13	280	116	A	V
	*	5510	103.19	-	-	91.47	34.7	12.14	35.12	280	116	P	V
	*	5510	94.91	-	-	83.19	34.7	12.14	35.12	280	116	A	V
		5729.405	50.87	-17.33	68.2	38.65	35.08	12.3	35.16	280	116	P	V
		5455.6	54.16	-19.84	74	42.52	34.7	12.07	35.13	103	356	P	H
		5468.08	57.43	-10.77	68.2	45.77	34.7	12.09	35.13	103	356	P	H
		5434.72	44.71	-9.29	54	33.1	34.7	12.05	35.14	103	356	A	H
	*	5550	106.66	-	-	94.91	34.7	12.18	35.13	103	356	P	H
802.11ac	*	5550	97.95	-	-	86.2	34.7	12.18	35.13	103	356	A	H
VHT40		5764.685	50.35	-17.85	68.2	38.01	35.2	12.31	35.17	103	356	P	H
CH 110		5458	52.45	-21.55	74	40.8	34.7	12.08	35.13	291	115	P	V
5550MHz		5468.8	55.92	-12.28	68.2	44.26	34.7	12.09	35.13	291	115	P	V
		5434.72	43.93	-10.07	54	32.32	34.7	12.05	35.14	291	115	A	V
	*	5550	104.05	-	-	92.3	34.7	12.18	35.13	291	115	P	V
	*	5550	95.55	-	-	83.8	34.7	12.18	35.13	291	115	A	V
		5726.255	51.14	-17.06	68.2	38.94	35.06	12.3	35.16	291	115	P	V

		5444.15	49.83	-24.17	74	38.21	34.7	12.06	35.14	100	357	P	H
		5460.95	48.92	-19.28	68.2	37.27	34.7	12.08	35.13	100	357	P	H
		5450.1	41.2	-12.8	54	29.56	34.7	12.07	35.13	100	357	A	H
	*	5670	105.97	-	-	94.07	34.78	12.27	35.15	100	357	P	H
802.11ac	*	5670	97.2	-	-	85.3	34.78	12.27	35.15	100	357	A	H
VHT40		5728.6	62.53	-5.67	68.2	50.32	35.07	12.3	35.16	100	357	P	H
CH 134		5402.5	49.33	-24.67	74	37.78	34.7	12.01	35.16	284	111	P	V
5670MHz		5460.6	48.31	-19.89	68.2	36.66	34.7	12.08	35.13	284	111	P	V
		5450.1	41.09	-12.91	54	29.45	34.7	12.07	35.13	284	111	A	V
	*	5670	101.09	-	-	89.19	34.78	12.27	35.15	284	111	P	V
	*	5670	92.3	-	-	80.4	34.78	12.27	35.15	284	111	A	V
		5727.2	58.53	-9.67	68.2	46.33	35.06	12.3	35.16	284	111	P	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1	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	47.4	-26.6	74	48.58	37.8	19.02	58	-	-	P	H
		14491	49.62	-24.38	74	45.6	39.58	21.96	57.52	-	-	P	H
		14491	40.85	-13.15	54	36.83	39.58	21.96	57.52	-	-	A	H
		16053	52.26	-21.74	74	44.26	41.11	22.91	56.02	-	-	P	H
		16053	42.75	-11.25	54	34.75	41.11	22.91	56.02	-	-	A	H
		16650	52.11	-16.09	68.2	43.04	41.9	23.4	56.23	-	-	P	H
		17868	53.24	-20.76	74	42.48	41.46	24.41	55.11	-	-	P	H
		17868	43.55	-10.45	54	32.79	41.46	24.41	55.11	-	-	A	H
													H
													H
802.11ac													H
VHT40													H
CH 110		11100	49.37	-24.63	74	50.55	37.8	19.02	58	100	348	P	V
5550MHz		11100	41.39	-12.61	54	42.57	37.8	19.02	58	100	348	A	V
		14491	49.53	-24.47	74	45.51	39.58	21.96	57.52	-	-	P	V
		14491	40.77	-13.23	54	36.75	39.58	21.96	57.52	-	-	A	V
		15767	51.48	-22.52	74	44.53	40.6	22.72	56.37	-	-	P	V
		15767	41.27	-12.73	54	34.32	40.6	22.72	56.37	-	-	A	V
		16650	51.79	-16.41	68.2	42.72	41.9	23.4	56.23	-	-	P	V
		17769	53.68	-20.32	74	42.94	41.57	24.33	55.16	-	-	P	V
		17769	43.55	-10.45	54	32.81	41.57	24.33	55.16	-	-	A	V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11ac VHT80 CH 106 5530MHz		5459.2	61.34	-12.66	74	49.69	34.7	12.08	35.13	100	355	P	H
		5465.44	63.88	-4.32	68.2	52.22	34.7	12.09	35.13	100	355	P	H
		5458.72	53.13	-0.87	54	41.48	34.7	12.08	35.13	100	355	A	H
	*	5530	101.77	-	-	90.04	34.7	12.16	35.13	100	355	P	H
	*	5530	93.43	-	-	81.7	34.7	12.16	35.13	100	355	A	H
		5743.265	51.15	-17.05	68.2	38.86	35.16	12.3	35.17	100	355	P	H
		5457.04	58.79	-15.21	74	47.14	34.7	12.08	35.13	295	115	P	V
		5468.32	61.71	-6.49	68.2	50.05	34.7	12.09	35.13	295	115	P	V
		5454.88	51.33	-2.67	54	39.69	34.7	12.07	35.13	295	115	A	V
	*	5530	99.67	-	-	87.94	34.7	12.16	35.13	295	115	P	V
	*	5530	91.33	-	-	79.6	34.7	12.16	35.13	295	115	A	V
		5736.02	50.67	-17.53	68.2	38.42	35.12	12.3	35.17	295	115	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

5GHz WIFI 802.11ac VHT40 (SHF@ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		23845	37.88	-36.12	74	48.59	38.78	8.73	58.22	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT40		21479	37.48	-36.52	74	51.54	38.07	7.68	59.81	-	-	P	V
SHF													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

5GHz WIFI 802.11ac VHT40 (LF @ 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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		30	22.11	-17.89	40	26.68	24.57	0.97	30.11	-	-	P	H
		94.26	23.49	-20.01	43.5	36.69	15.25	1.54	29.99	-	-	P	H
		165.54	28.15	-15.35	43.5	39.98	15.94	2.09	29.86	-	-	P	H
		629.7	27.62	-18.38	46	27.32	25.86	4.13	29.69	-	-	P	H
		774.6	31.05	-14.95	46	27.93	27.8	4.66	29.34	-	-	P	H
		948.9	33.93	-12.07	46	27.17	30.23	5.18	28.65	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT40		30	32.41	-7.59	40	36.98	24.57	0.97	30.11	-	-	P	V
LF		52.68	24.2	-15.8	40	40.06	13.09	1.08	30.03	-	-	P	V
		166.35	26.29	-17.21	43.5	38.15	15.91	2.09	29.86	-	-	P	V
		563.2	27.3	-18.7	46	27.23	25.91	3.91	29.75	-	-	P	V
		826.4	30.24	-15.76	46	26.9	27.66	4.83	29.15	-	-	P	V
		953.8	33.3	-12.7	46	26.26	30.49	5.19	28.64	-	-	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		(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. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. 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

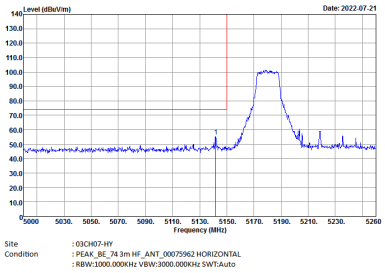
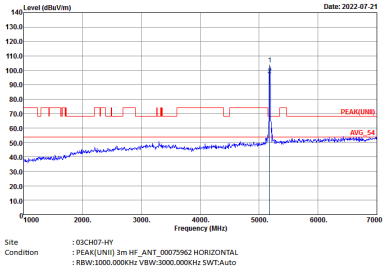
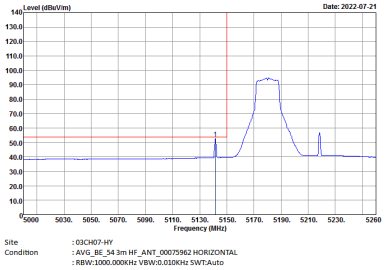
Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu and Howard Huang	**Temperature :**	22~28.1°C
		Relative Humidity :	53.3~67.5%

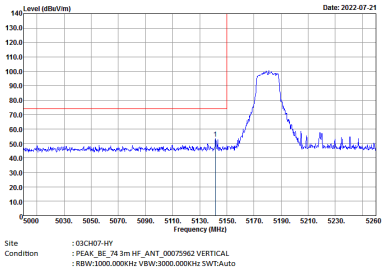
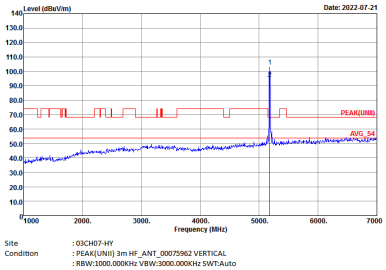
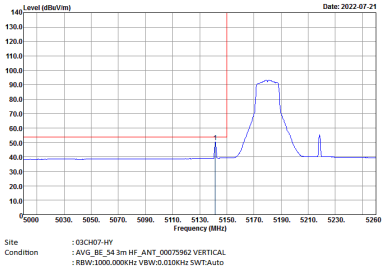
Note symbol

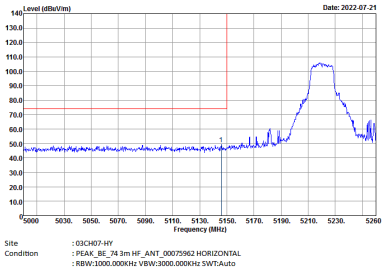
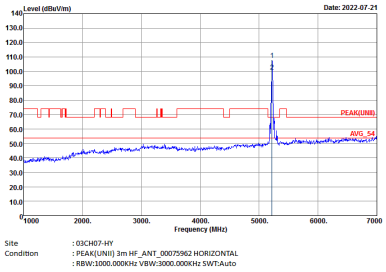
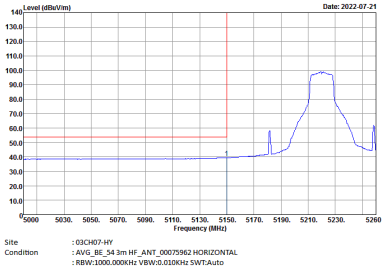
-L	**Low channel location**
-R	**High channel location**

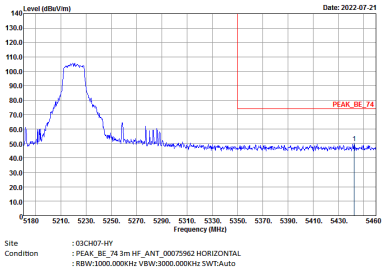
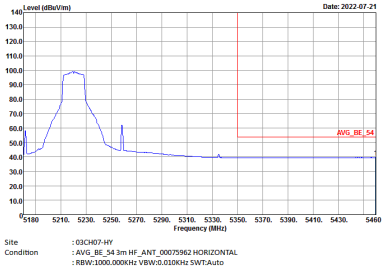
Band 1 - 5150~5250MHz

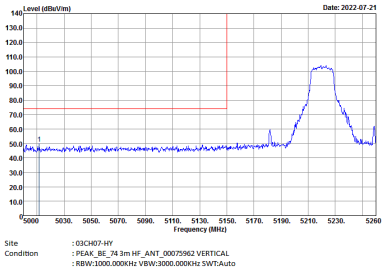
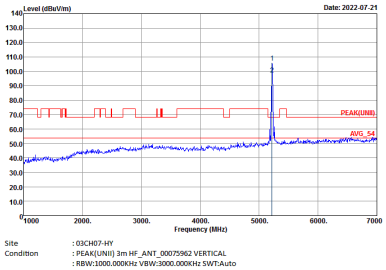
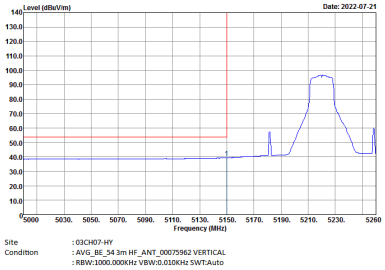
WIFI 802.11a (Band Edge @ 3m)

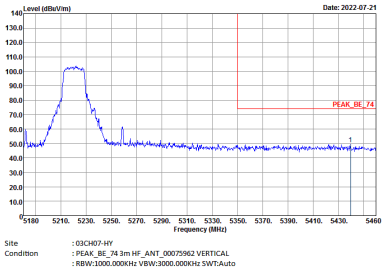
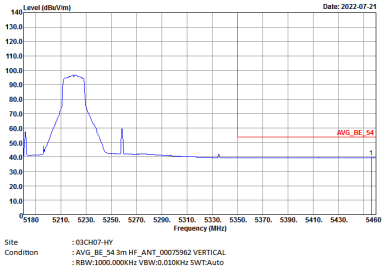
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

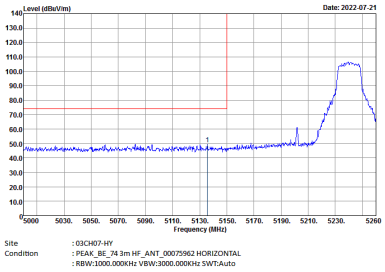
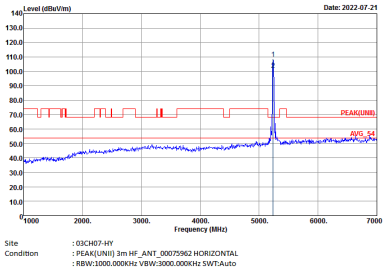
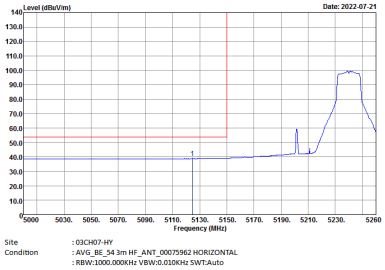
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

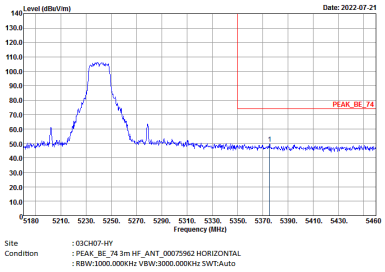
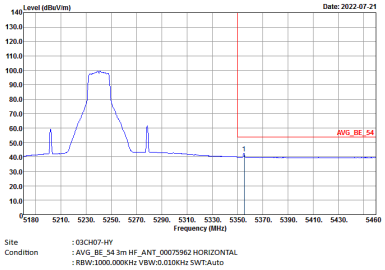
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

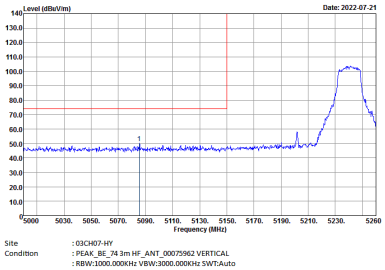
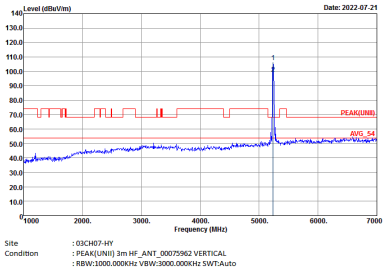
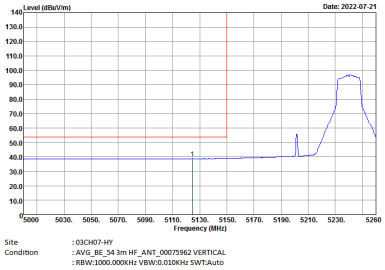
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

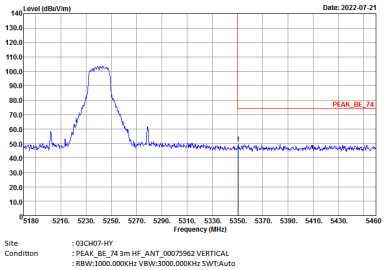
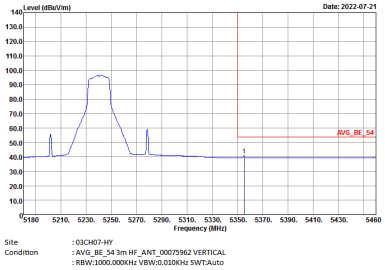
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

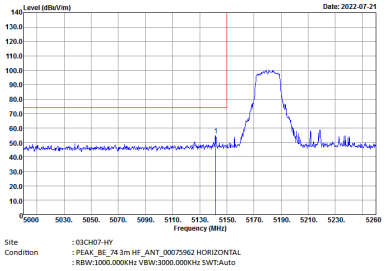
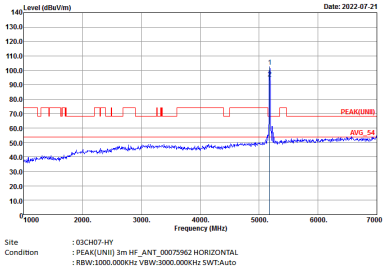
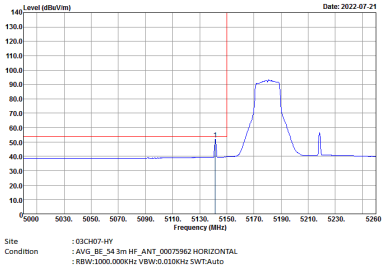
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

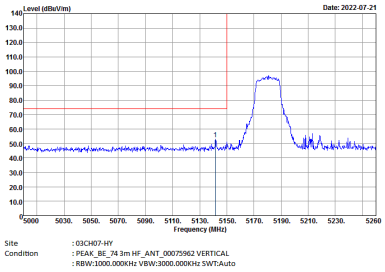
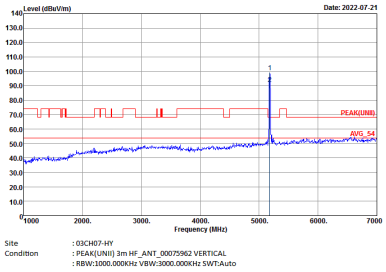
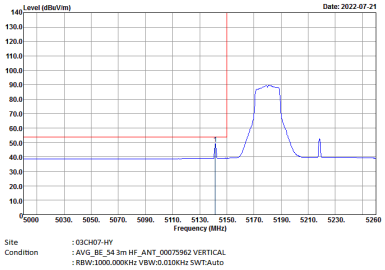
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

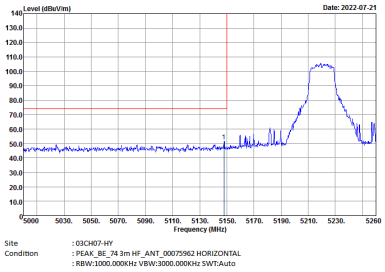
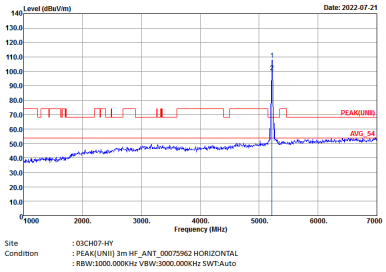
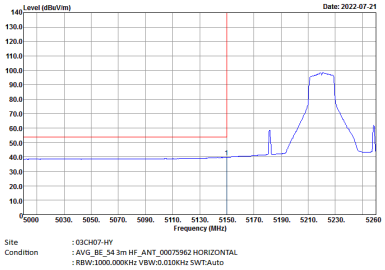
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

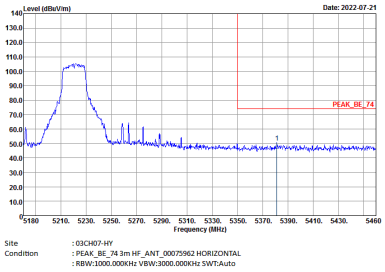
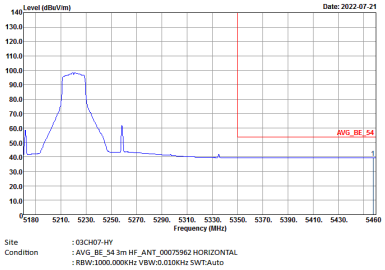
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

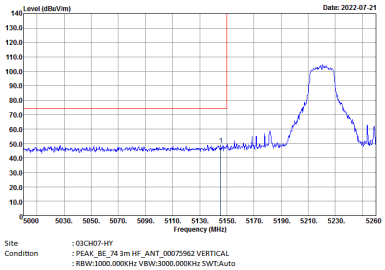
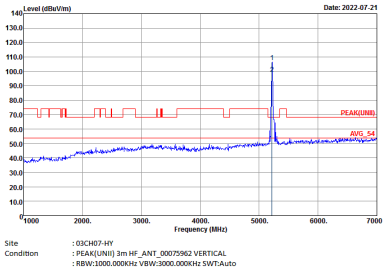
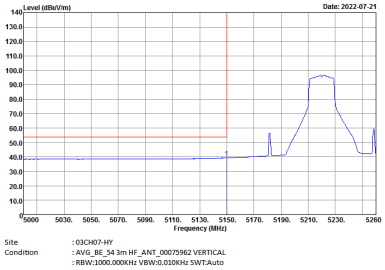
Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

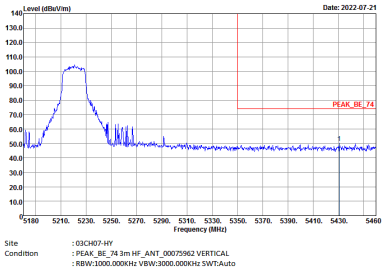
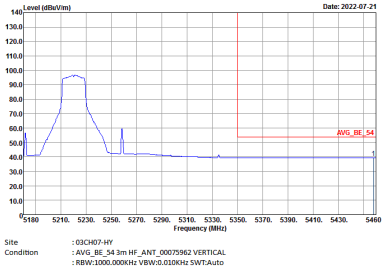
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

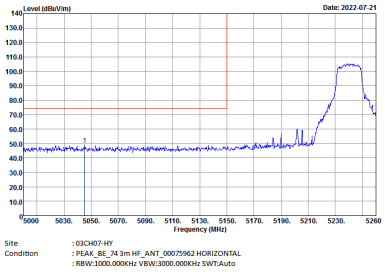
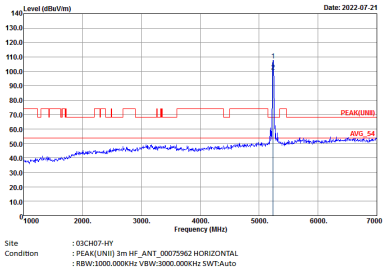
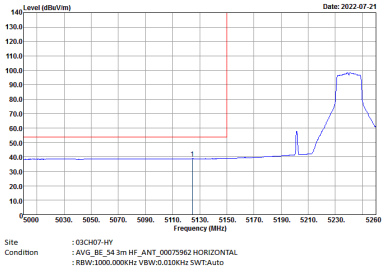
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

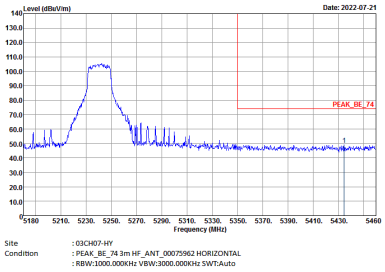
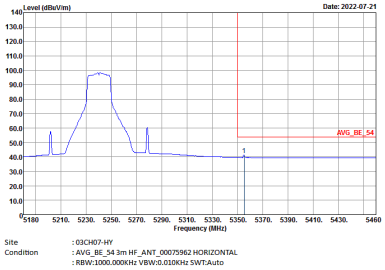
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

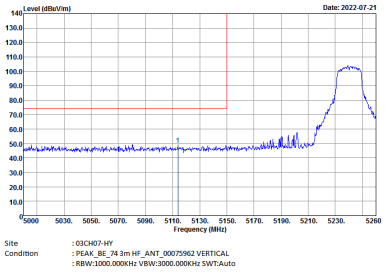
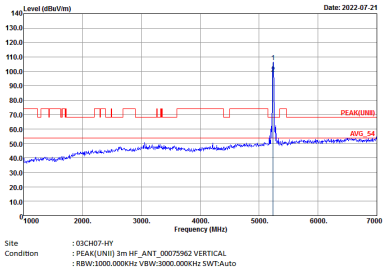
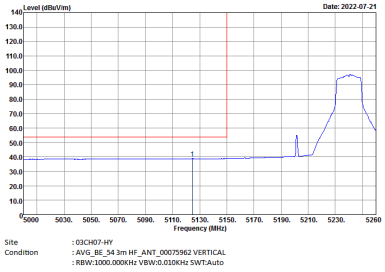
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

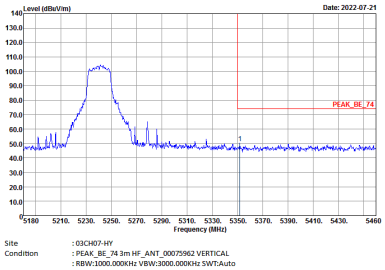
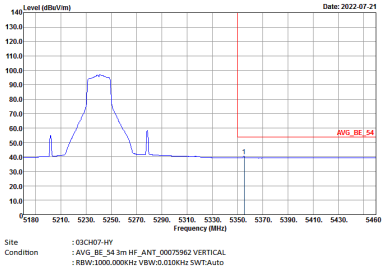
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

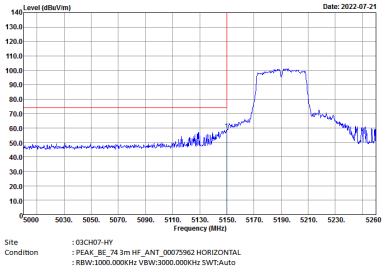
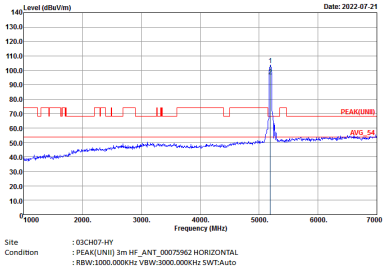
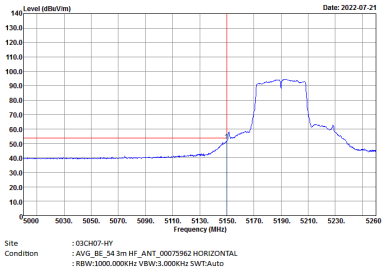
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

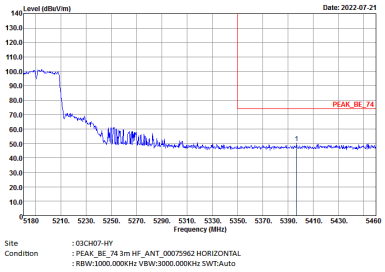
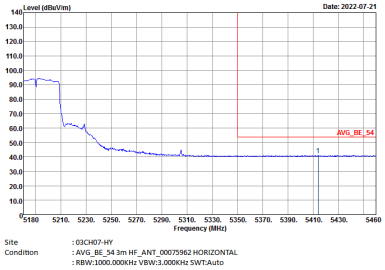
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

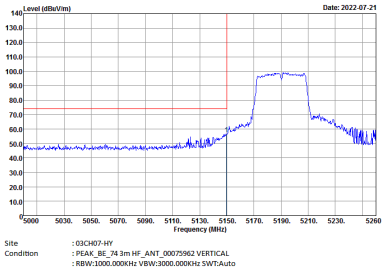
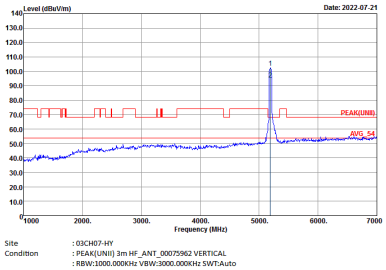
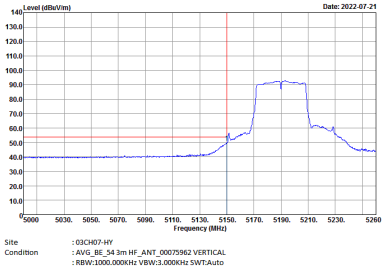
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

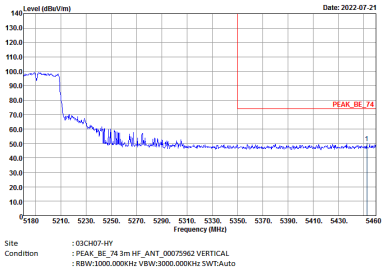
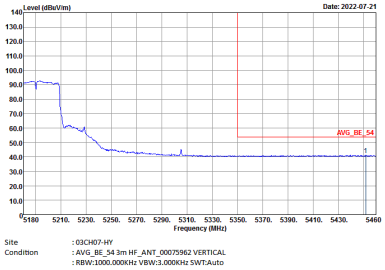
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

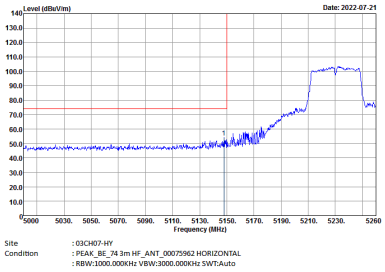
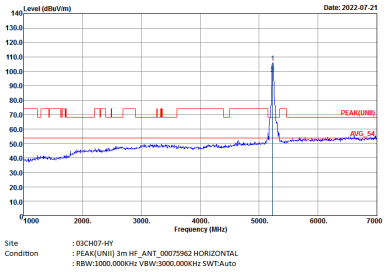
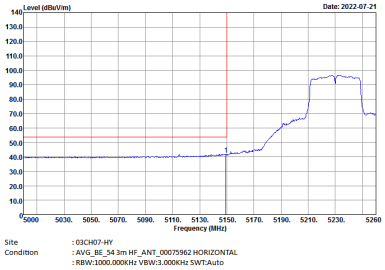
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

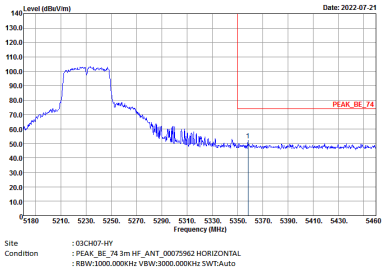
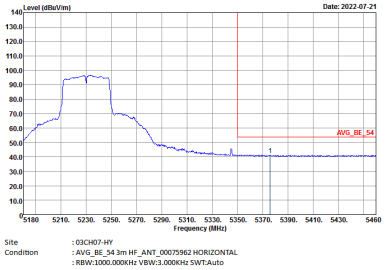
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

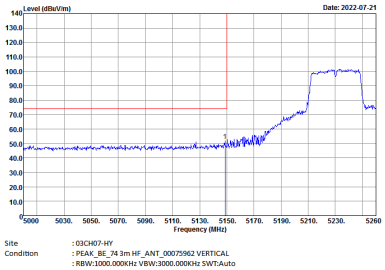
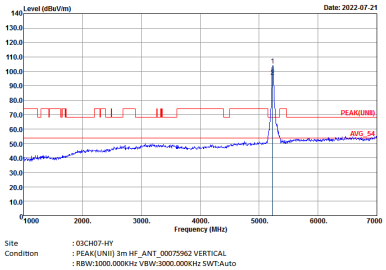
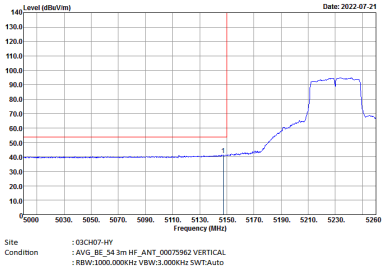
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

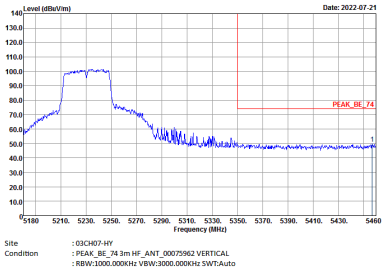
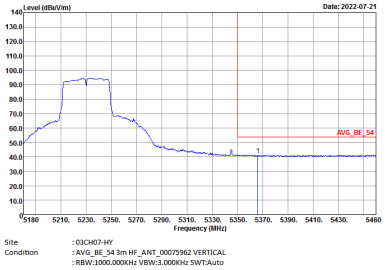
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

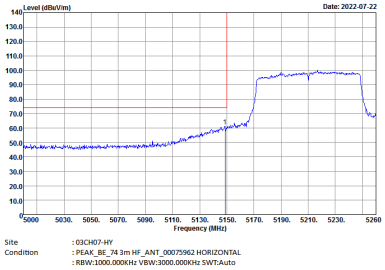
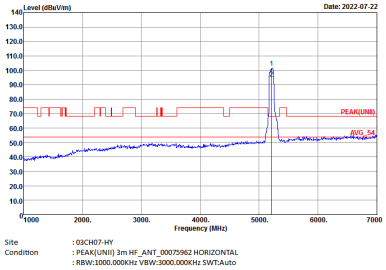
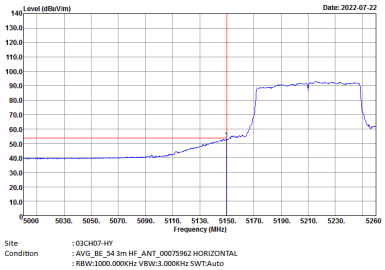
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

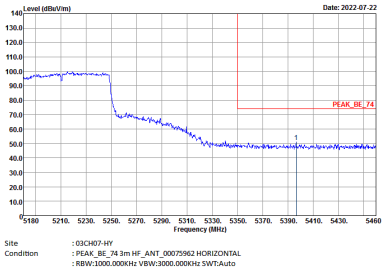
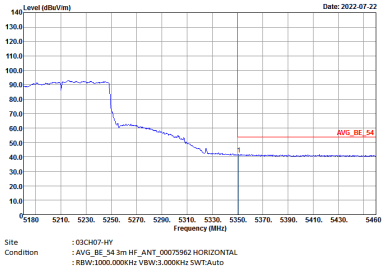
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

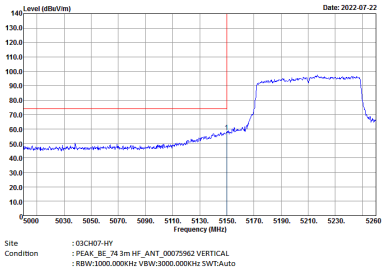
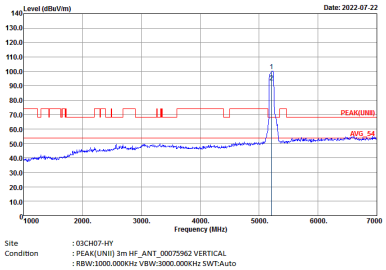
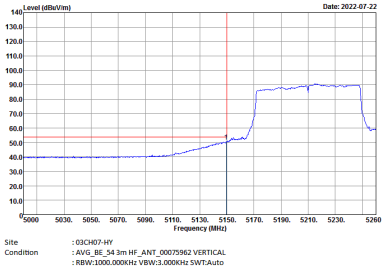
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

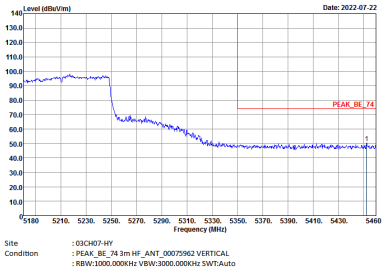
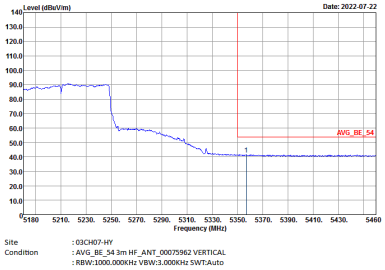
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

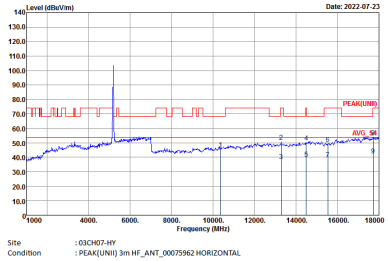
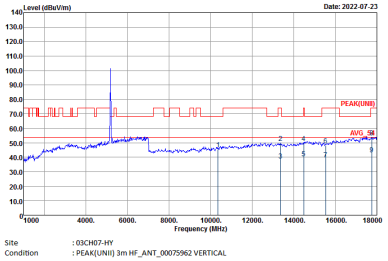
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

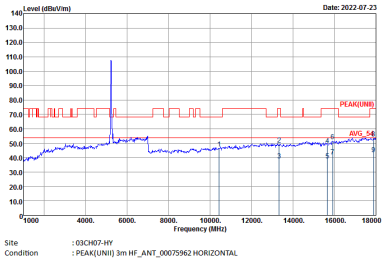
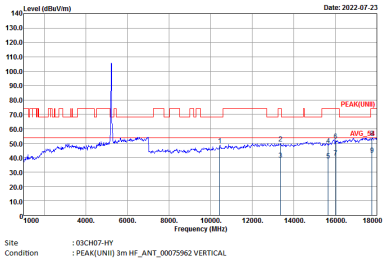
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

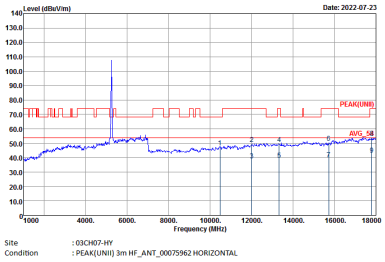
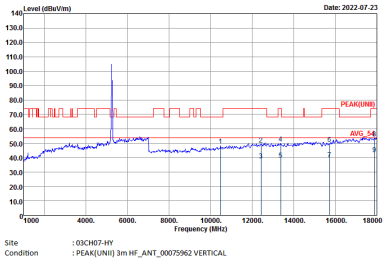
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

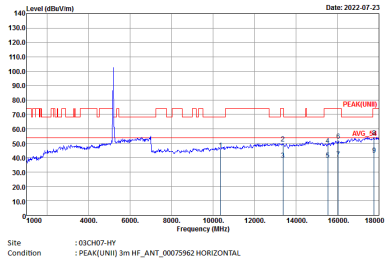
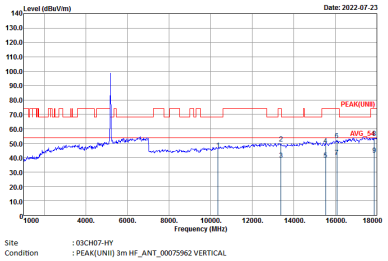
WIFI 802.11a (Harmonic @ 3m)

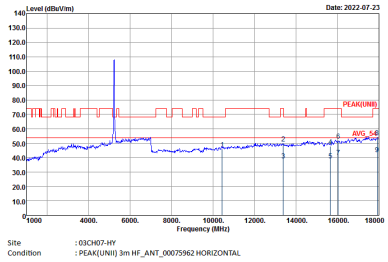
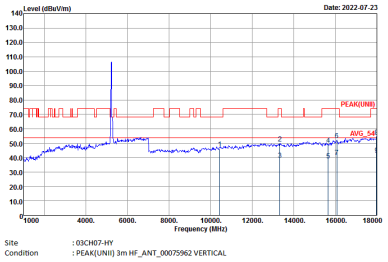
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

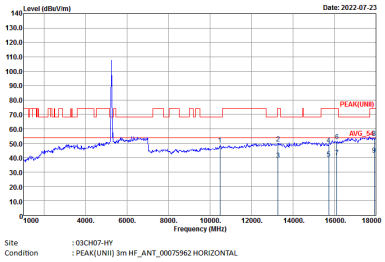
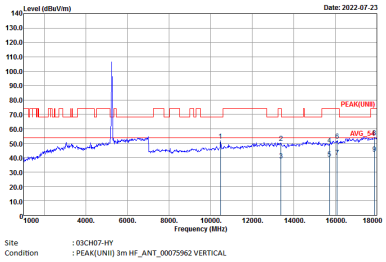
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

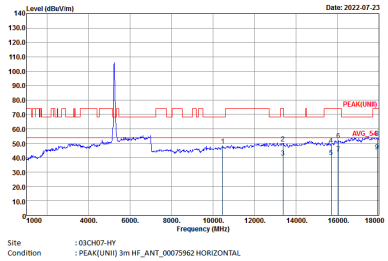
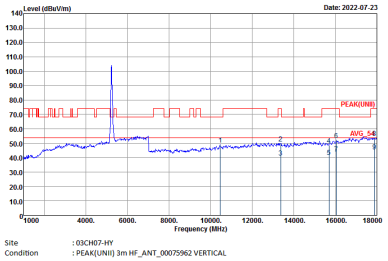
Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

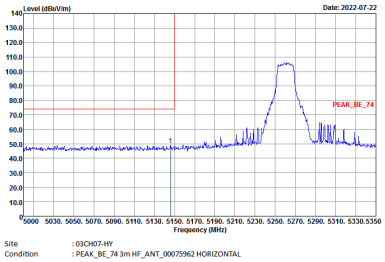
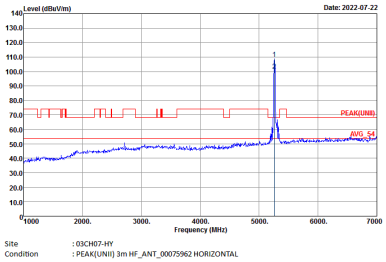
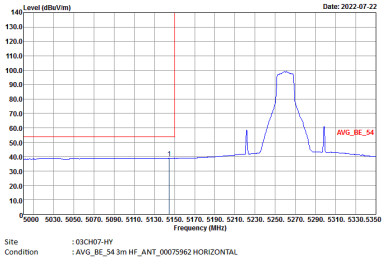
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

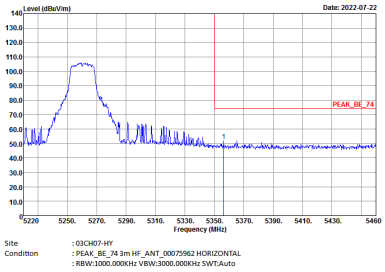
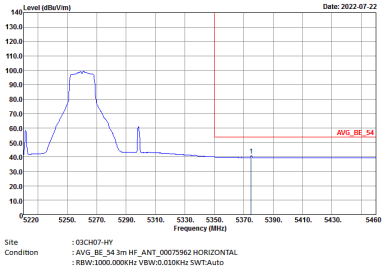
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

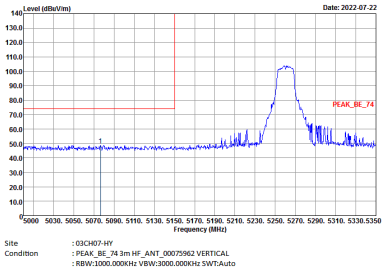
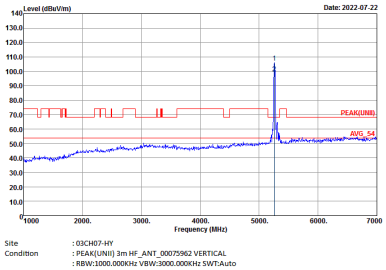
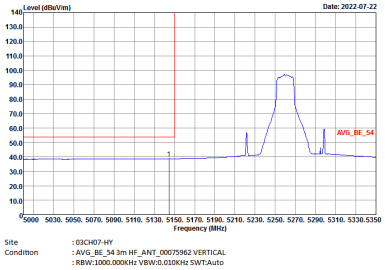
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

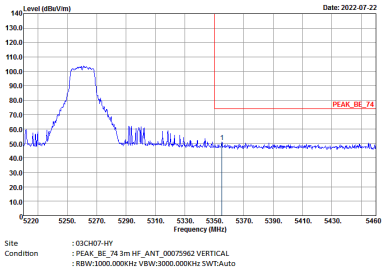
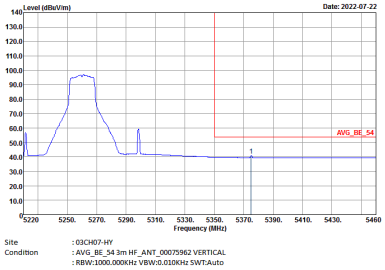
Band 2 - 5250~5350MHz

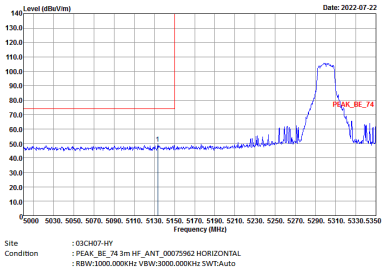
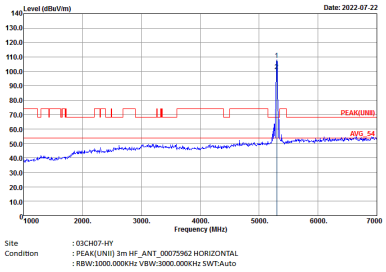
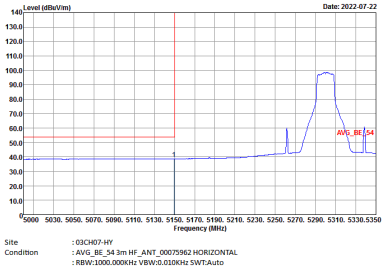
WIFI 802.11a (Band Edge @ 3m)

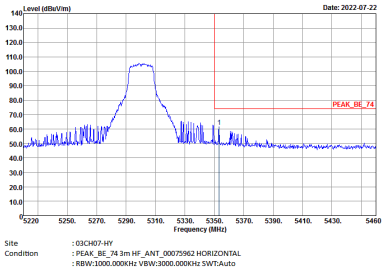
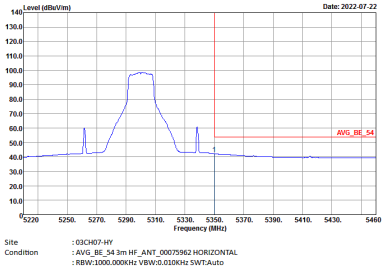
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

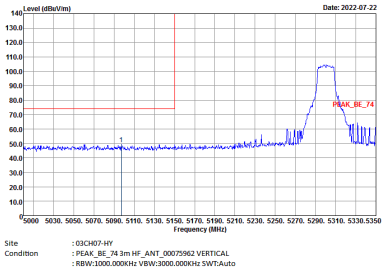
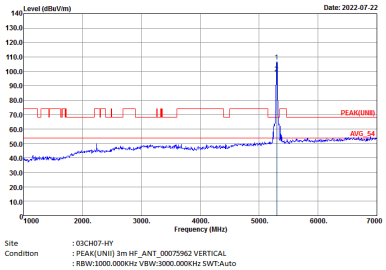
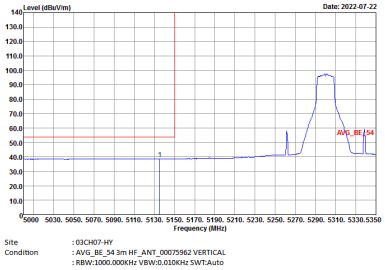
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

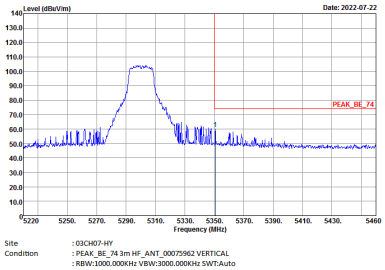
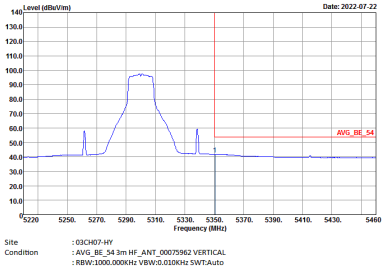
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

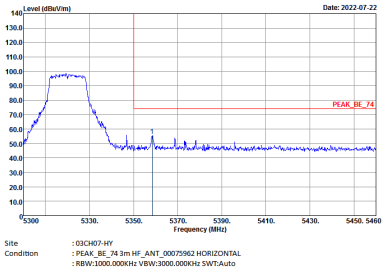
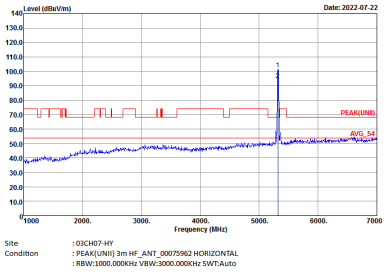
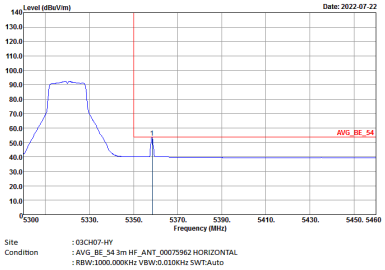
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

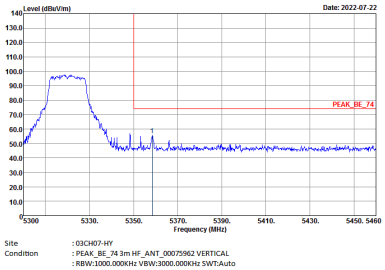
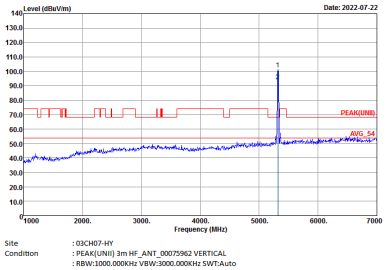
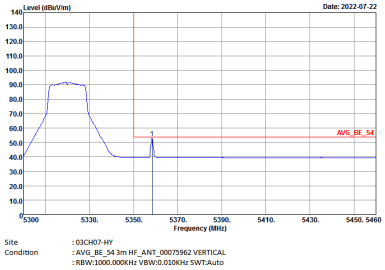
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

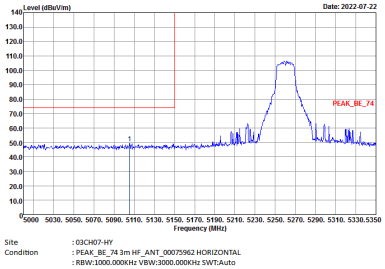
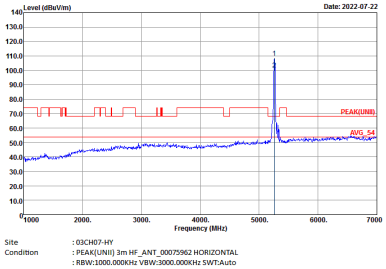
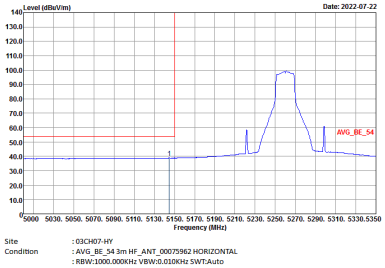
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

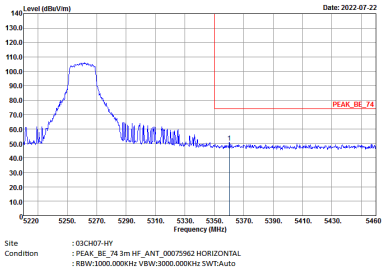
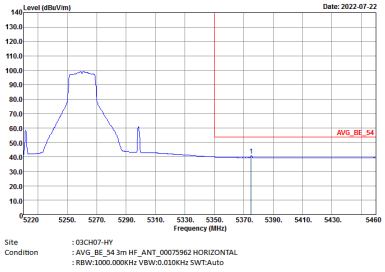
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

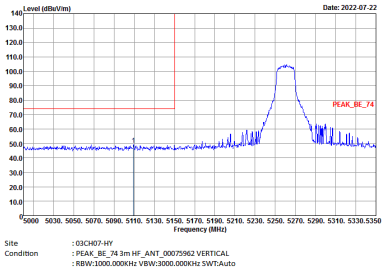
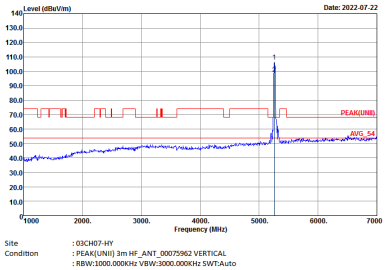
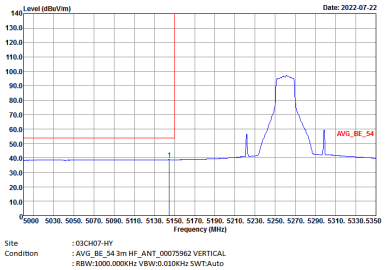
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

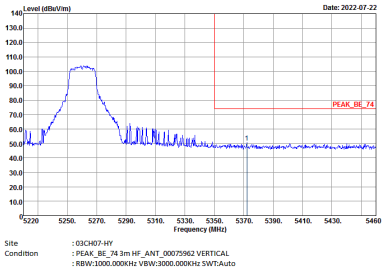
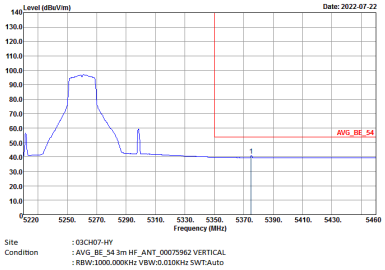
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

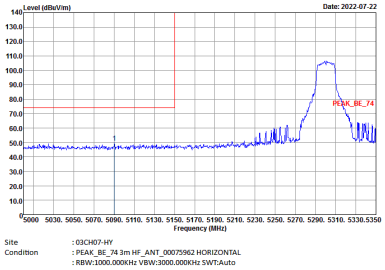
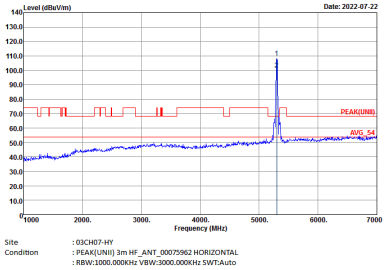
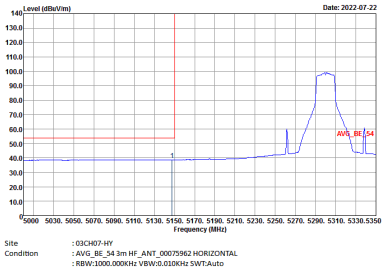
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

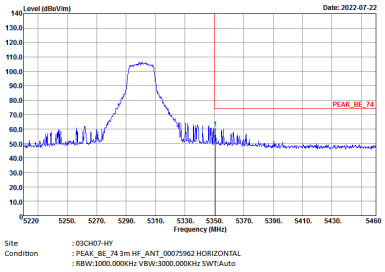
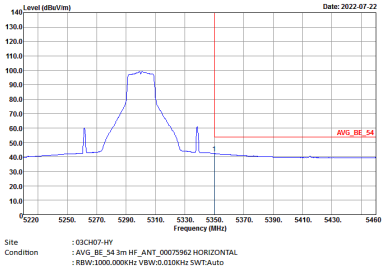
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

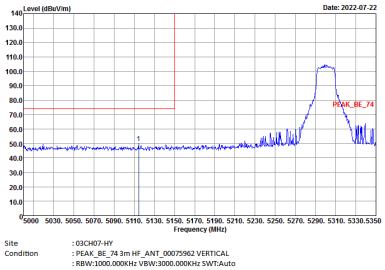
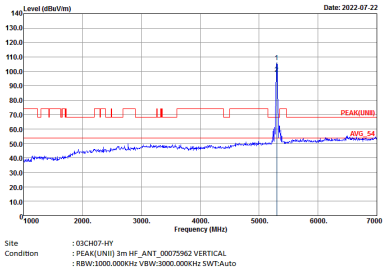
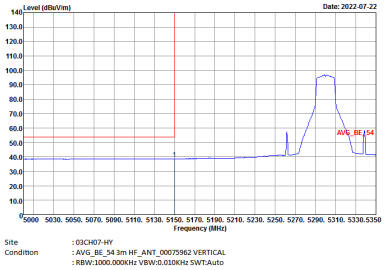
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

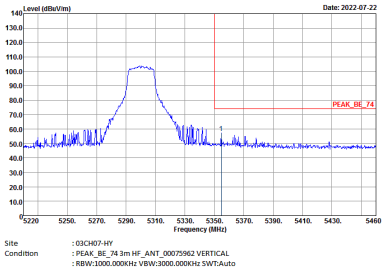
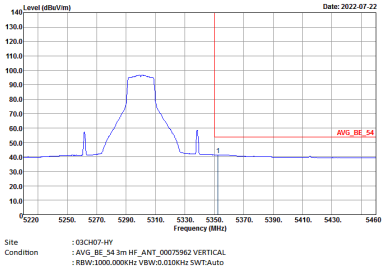
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

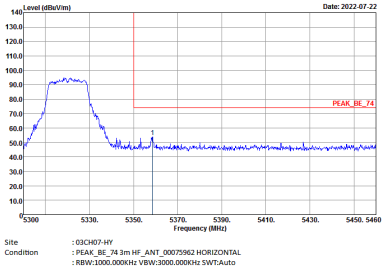
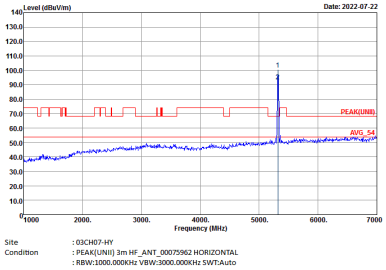
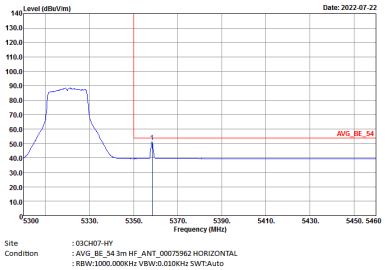
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

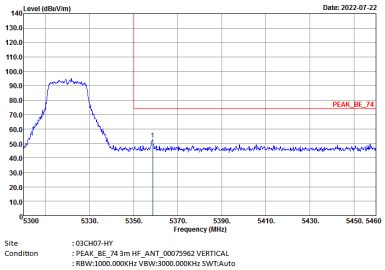
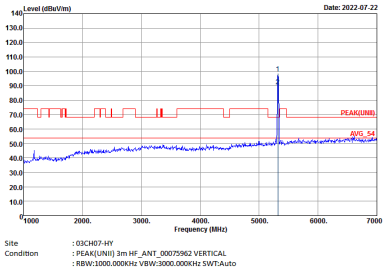
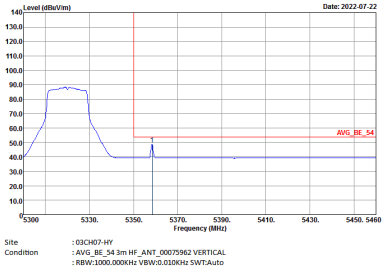
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank