FCC RADIO TEST REPORT

FCC ID	:	2ADEFAT-CD1
Equipment	:	Airtame Radio Module
Brand Name	:	Airtame
Model Name	:	AT-CD1
Applicant	:	Airtame ApS Danneskiold Samsoes Alle 24, 1sal TV, Copenhagen K 1434, Denmark
Manufacturer	:	Airtame ApS Danneskiold Samsoes Alle 24, 1sal TV, Copenhagen K 1434, Denmark
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on Mar. 28, 2022 and testing was performed from May 20, 2022 to Jul. 25, 2022. We, Sporton International (USA) Inc., 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 partial report apply exclusively to the tested model / sample. Without written approval from Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Approved by: Neil Kao

Sporton International (USA) Inc.
1175 Montague Expressway, Milpitas, CA 95035

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History of this test report

Report No.	Version	Description	Issue Date
FR210727003D	01	Initial issue of report	Jul. 20, 2022
FR210727003D	02	1. Revise section 3.2.8, 3.3.3 2. Revise Appendix C and Appendix D	Jul. 29, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)	Maximum Conducted Output Power	Pass	-
3.2	15.407(b)	Unwanted Emissions	Pass	0.51 dB under the limit at 5468.720 MHz
3.3	15.207	AC Conducted Emission	Pass	3.47 dB under the limit at 0.505 MHz
3.4	15.203 15.407(a)	Antenna Requirement	Pass	-

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. 2. Please refer to the section ” Uncertainty of Evaluation ” for measurement uncertainty.
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.

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Feature	
Antenna Type	WLAN: <Ant. 1>: PCB Dipole Antenna <Ant. 2>: PCB Dipole Antenna Bluetooth: PCB Dipole Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 1: 3.7 dBi Ant. 2: 4.0 dBi
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 1: 3.7 dBi Ant. 2: 4.0 dBi
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 1: 3.7 dBi Ant. 2: 4.0 dBi

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 (USA) Inc.
Test Site Location	1175 Montague Expressway, Milpitas, CA 95035 TEL : 408 9043300
Test Site No.	**Sporton Site No.**
	03CH02-CA, TH01-CA, CO01-CA

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

1.4 Applicable Standards

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

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

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. 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 find Z plane for Ant. 1 and X plane for MIMO <Ant. 1+2> as worst plane.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

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

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

Note:

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

2.2 Test Mode

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

Single Mode

Modulation	Data Rate
802.11a	6 Mbps

MIMO Mode

Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + RJ-45 Link (Charging from Adapter) + Play video with USB-C HDD + HDMI*2 connect to TV (TV Resolution: 1080p) + USB-A 3.0 Link to mouse + USB-A 3.0 connect to keyboard + USB-C 3.0 Link to HDD Mode 2 : WLAN (5GHz) Link + Bluetooth Link + RJ-45 Link (Charging from PoE Adapter) + USB Link mode (SECO to USB-A 3.0) + HDMI*2 connect to TV (TV Resolution: 4K 30Hz) + USB-A 3.0 Link to mouse + USB-A 3.0 Link connect to HDD + USB-C 3.0 connect to phone for charging
Remark: **1.** The worst case of Conducted Emission is mode 2; only the test data of it was reported. **2.** HDMI Cable means media application transferred between EUT and external display.	

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

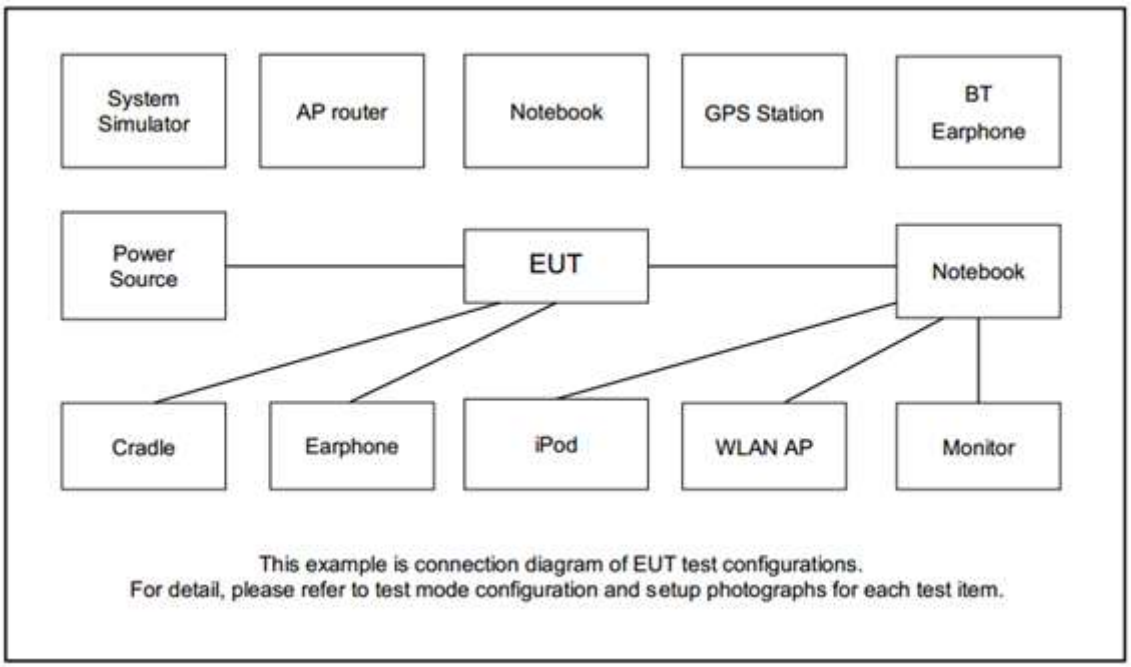
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	-
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Speaker	JBL	GO2J	CCAH18LP0030E4	N/A	N/A
2.	WLAN AP	NETGEAR	R7800	PY315100319	N/A	Unshielded, 1.8 m
3.	Notebook	Acer	Altos PS548-G1	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	PoE Adapter	TYCON	TP-POE-HP-48 G-RC	FCC DoC	N/A	Unshielded, 1.0m
5.	HDD	WD	WDBYNN0010B BL-0B	FCC DoC	Unshielded, 0.5 m	N/A
6.	Monitor	Samsung	U28R552UQR	FCC DoC	Shielded, 1.2 m	Unshielded, 1.8 m
7.	Keyboard	Lenovo	SK-8827	FCC DoC	Shielded, 1.3 m	N/A
8.	Mouse	HP	N910U	FCC DoC	Unshielded, 1.8 m	N/A
9.	Phone	Moto	XT2045-3	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “script_ wifi_Airtame.sh” 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.

3 Test Result

3.1 Maximum Conducted Output Power Measurement

3.1.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.1.2 Measuring Instruments

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

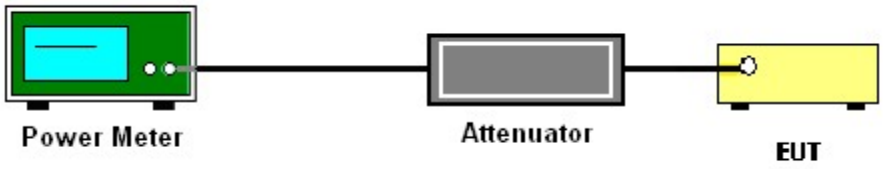
3.1.3 Test Procedures

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

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

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

3.1.4 Test Setup



3.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.2 Unwanted Emissions Measurement

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

3.2.1 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.

3.2.2 Measuring Instruments

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

3.2.3 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

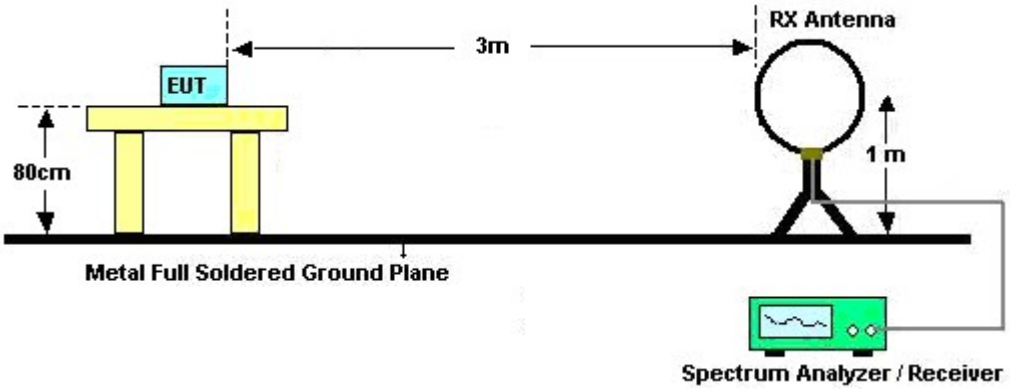
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

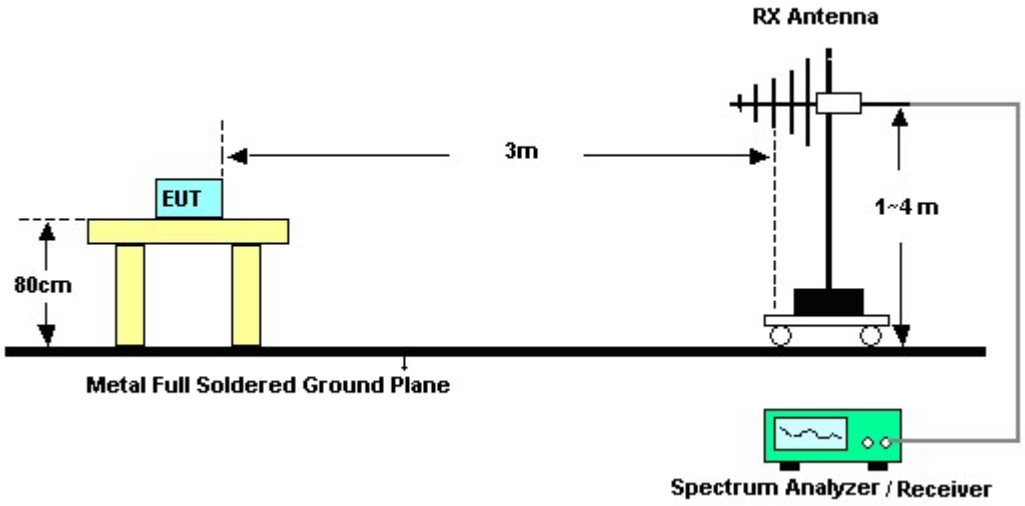
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

3.2.4 Test Setup

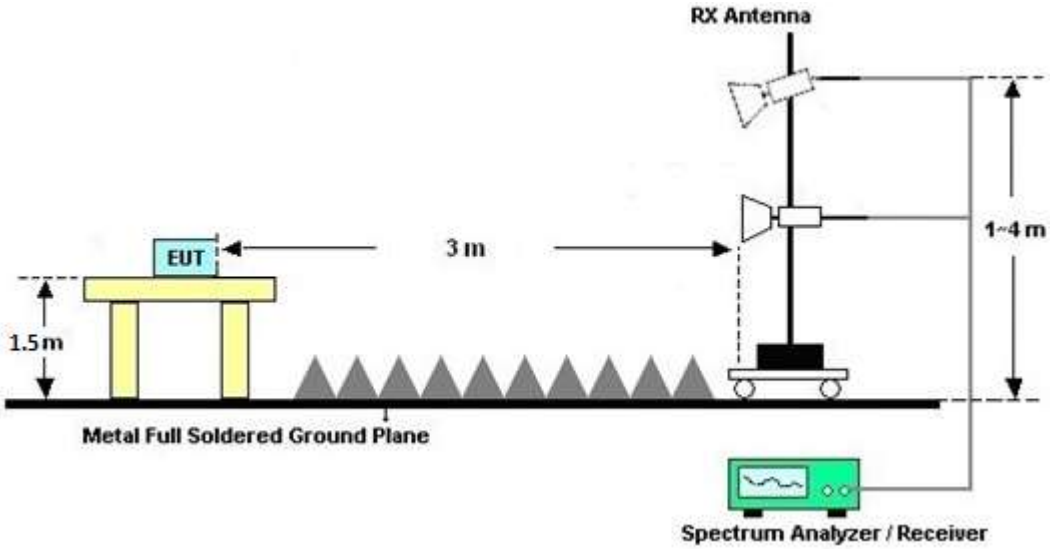
For radiated emissions below 30MHz



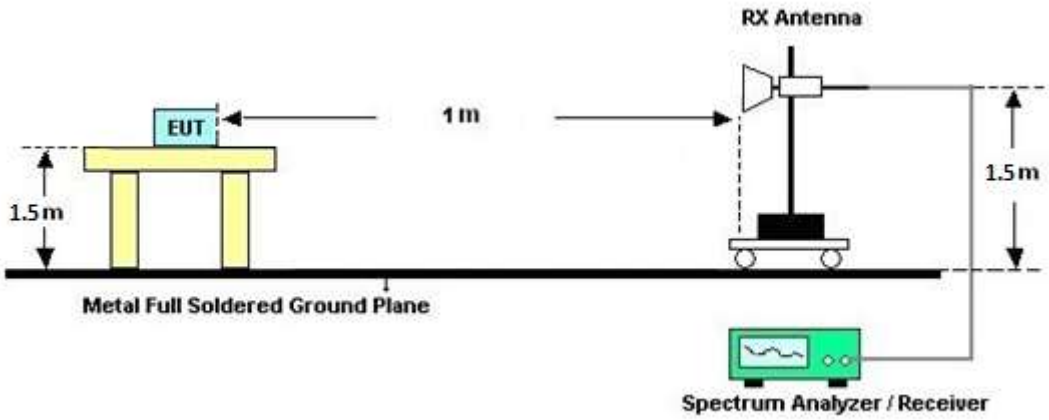
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.2.5 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.

3.2.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.2.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

Note: When the scan with peak detector exceeds the limit associated with the average detector, additional scan with average detection was performed to show compliance with the average limit. The additional scan plot of the low channel is provided for justification.

3.3 AC Conducted Emission Measurement

3.3.1 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.

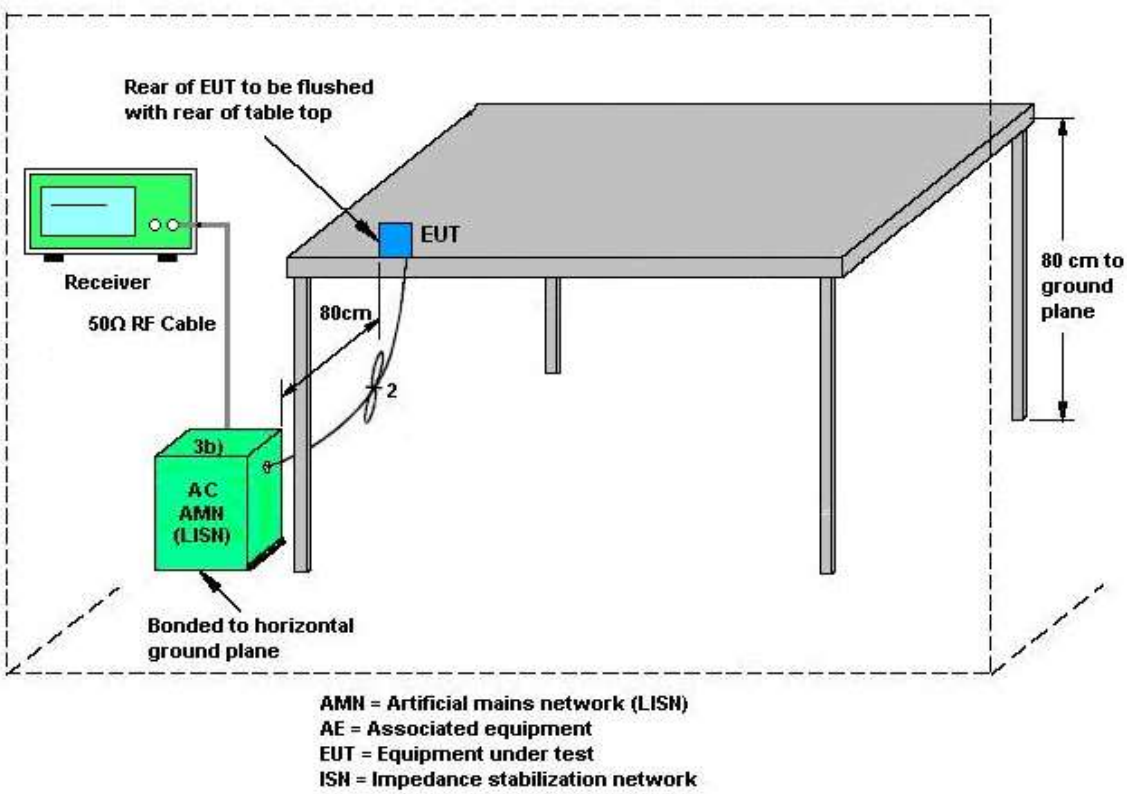
3.3.2 Measuring Instruments

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

3.3.3 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 (IF Bandwidth = 9 kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.3.4 Test Setup



3.3.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.4 Antenna Requirements

3.4.1 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.

3.4.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.4.3 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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9kHz~30MHz	Jan. 07, 2022	Jun. 24, 2022~ Jul. 25, 2022	Jan. 06, 2023	Radiation (03CH02-CA)
Bilog Antenna	TESEQ	6111D	54683	30MHz~1GHz	Oct. 15, 2021	Jun. 24, 2022~ Jul. 25, 2022	Oct. 14, 2022	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	01895	1GHz~18GHz	Aug. 25, 2021	Jun. 24, 2022~ Jul. 25, 2022	Aug. 24, 2022	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9170D	00842	18GHz~40GHz	Jul. 20, 2021	Jun. 24, 2022~ Jul. 18, 2022	Jul. 19, 2022	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9170D	00841	18GHz~40GHz	Aug. 26, 2021	Jul. 19, 2022~ Jul. 25, 2022	Aug. 25, 2022	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	N/A	May 10, 2022	Jun. 24, 2022~ Jul. 25, 2022	May 09, 2023	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	May 11, 2022	Jun. 24, 2022~ Jul. 25, 2022	May 10, 2023	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18G-56-01-A70	EC1900251	1GHz~18GHz	May 10, 2022	Jun. 24, 2022~ Jul. 25, 2022	May 09, 2023	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	060725	18GHz-40GHz	May 10, 2022	Jun. 24, 2022~ Jul. 25, 2022	May 09, 2023	Radiation (03CH02-CA)
RF Cable	HUBER+SUHNER	SUCOFLEX 102	8024032/2, 802406/2, 802875/2	N/A	Jun. 22, 2022	Jun. 24, 2022~ Jul. 25, 2022	Jun. 21, 2023	Radiation (03CH02-CA)
Spectrum Analyzer	Keysight	N9010A	MY57420221	10Hz~44GHz	Sep. 22, 2021	Jun. 24, 2022~ Jul. 25, 2022	Sep. 21, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN8	6.75GHz High Pass Filter	Jul. 22, 2021	May 24, 2022~ Jul. 20, 2022	Jul. 21, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN8	6.75GHz High Pass Filter	Jul. 21, 2022	Jul. 21, 2022~ Jul. 25, 2022	Jul. 20, 2023	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-1272-11000-40SS	SN1	1.2G Low Pass	Jul. 22, 2021	May 24, 2022~ Jul. 20, 2022	Jul. 21, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-1272-11000-40SS	SN1	1.2G Low Pass	Jul. 21, 2022	Jul. 21, 2022~ Jul. 25, 2022	Jul. 20, 2023	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug. 04, 2021	Jun. 24, 2022~ Jul. 25, 2022	Aug. 03, 2022	Radiation (03CH02-CA)
Controller	ChainTek	EM-1000	060876	NA	N/A	Jun. 24, 2022~ Jul. 25, 2022	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jun. 24, 2022~ Jul. 25, 2022	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jun. 24, 2022~ Jul. 25, 2022	N/A	Radiation (03CH02-CA)
Software	Audix	E3	N/A	N/A	N/A	Jun. 24, 2022~ Jul. 25, 2022	N/A	Radiation (03CH02-CA)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LISN	TESEQ	NNB51	47415	N/A	May 10, 2022	May 20, 2022~ Jun. 20, 2022	May 09, 2023	Conduction (CO01-CA)
LISN	TESEQ	NNB51	47407	N/A	May 10, 2022	May 20, 2022~ Jun. 20, 2022	May 09, 2023	Conduction (CO01-CA)
Pulse limiter with 10dB attenuation	SCHWARZBECK	VTSD 9561-F N	9561-F-N00412	N/A	Jul. 06, 2021	May 20, 2022~ Jun. 20, 2022	Jul. 05, 2022	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	7GHz	Jun. 02, 2021	May 20, 2022~ May 31, 2022	Jun. 01, 2022	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	7GHz	May 31, 2022	Jun. 01, 2022~ Jun. 20, 2022	May 30, 2023	Conduction (CO01-CA)
Software	R&S	EMC32	N/A	Version 10.30.00	N/A	May 20, 2022~ Jun. 20, 2022	N/A	Conduction (CO01-CA)
Hygrometer	Testo	608-H1	45142595	N/A	Aug. 30, 2021	Jun. 20, 2022~ Jul. 11, 2022	Aug. 29, 2022	Conducted (TH01-CA)
Power Sensor	EM Electronics Corporation	RPR3006W	RPR6W-1901026	10MHz-6GHz	May 10, 2022	Jun. 20, 2022~ Jul. 11, 2022	May 09, 2023	Conducted (TH01-CA)
Switch Box & RF Cable	EM Electronics	EMSW26	1090304	N/A	Mar. 30, 2022	Jun. 20, 2022~ Jul. 11, 2022	Mar. 29, 2023	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101089	10Hz-40GHz	Jun. 01, 2022	Jun. 20, 2022~ Jul. 11, 2022	May 31, 2023	Conducted (TH01-CA)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.0 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.7 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.2 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.4 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Venkata Kondepudi/Liliana Gonzalez	Temperature:	21~25	°C
Test Date:	2022/6/20~2022/7/11	Relative Humidity:	48~53	%

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	8.54	-		24.00	24.00	3.70	4.00	Pass
11a	6Mbps	1	44	5220	13.07	-		24.00	24.00	3.70	4.00	Pass
11a	6Mbps	1	48	5240	14.91	-		24.00	24.00	3.70	4.00	Pass

FCC Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HT20	MCS0	2	36	5180	8.37	7.52	10.98	24.00		4.00		Pass
HT20	MCS0	2	44	5220	13.09	8.18	14.31	24.00		4.00		Pass
HT20	MCS0	2	48	5240	13.10	8.41	14.37	24.00		4.00		Pass
HT40	MCS0	2	38	5190	5.28	4.75	8.03	24.00		4.00		Pass
HT40	MCS0	2	46	5230	7.64	6.56	10.14	24.00		4.00		Pass
VHT80	MCS0	2	42	5210	3.37	2.26	5.86	24.00		4.00		Pass

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	16.28	-		23.98	23.98	3.70	4.00	30	Pass
11a	6Mbps	1	60	5300	12.66	-		23.98	23.98	3.70	4.00	30	Pass
11a	6Mbps	1	64	5320	7.88	-		23.98	23.98	3.70	4.00	30	Pass

FCC Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	52	5260	15.90	15.49	18.71	23.98		4.00		30	Pass
HT20	MCS0	2	60	5300	10.77	9.81	13.33	23.98		4.00		30	Pass
HT20	MCS0	2	64	5320	7.73	7.01	10.40	23.98		4.00		30	Pass
HT40	MCS0	2	54	5270	9.48	9.00	12.26	23.98		4.00		30	Pass
HT40	MCS0	2	62	5310	4.87	3.95	7.44	23.98		4.00		30	Pass
VHT80	MCS0	2	58	5290	2.65	2.72	5.70	23.98		4.00		30	Pass

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	9.95	-		23.98	23.98	3.70	4.00	30	Pass
11a	6Mbps	1	116	5580	15.72	-		23.98	23.98	3.70	4.00	30	Pass
11a	6Mbps	1	140	5700	10.19	-		23.98	23.98	3.70	4.00	30	Pass

FCC Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	100	5500	8.18	6.59	10.47	23.98		4.00		30	Pass
HT20	MCS0	2	116	5580	15.47	15.06	18.28	23.98		4.00		30	Pass
HT40	MCS0	2	102	5510	4.84	5.51	8.20	23.98		4.00		30	Pass
HT40	MCS0	2	110	5550	9.26	10.25	12.79	23.98		4.00		30	Pass
HT40	MCS0	2	134	5670	9.02	10.44	12.80	23.98		4.00		30	Pass
VHT80	MCS0	2	106	5530	3.05	4.15	6.65	23.98		4.00		30	Pass
VHT80	MCS0	2	122	5610	5.34	6.29	8.85	23.98		4.00		30	Pass

FCC Band III straddle channel 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	144	5720	14.58	-		23.98	23.98	3.70	4.00	30	Pass

FCC Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	144	5720	15.34	15.16	18.34	23.98		4.00		30	Pass
HT40	MCS0	2	142	5710	13.29	14.46	16.92	23.98		4.00		30	Pass
VHT80	MCS0	2	138	5690	12.74	13.83	16.33	23.98		4.00		30	Pass

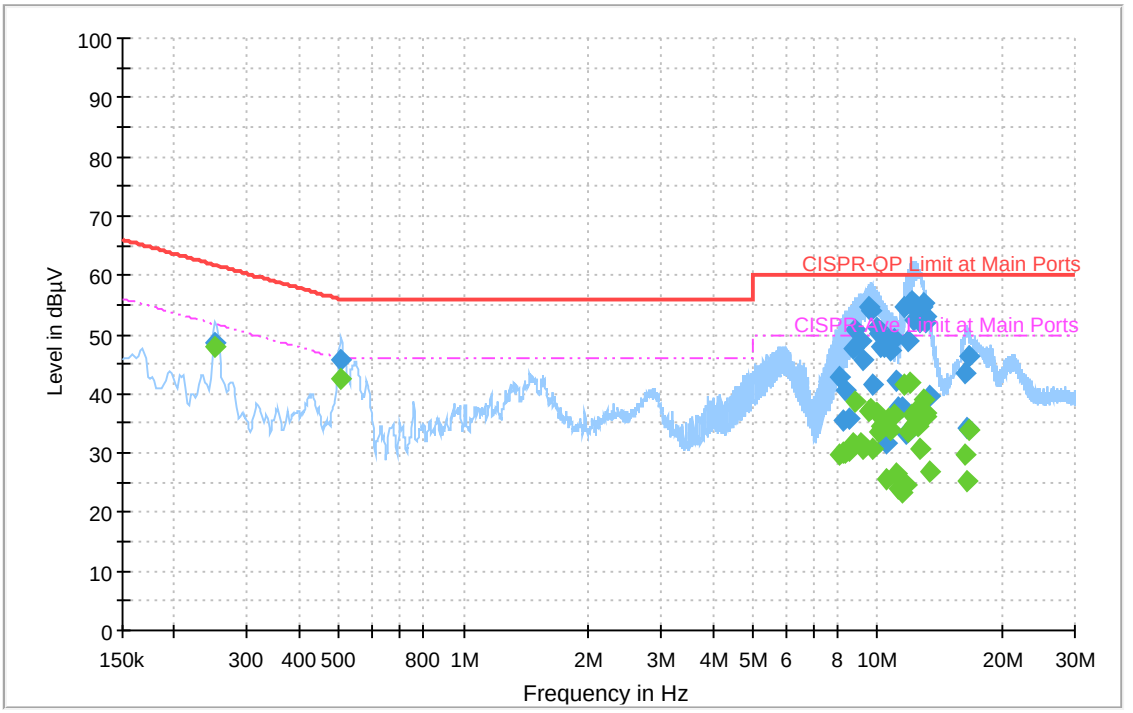
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Yuan Lee	**Temperature :**	19~25℃
		Relative Humidity :	37~44%

EUT Information

Site:	CO01-CA
Power:	120Vac/60Hz
Project	210727003
Mode	2

Full Spectrum



Final_Result

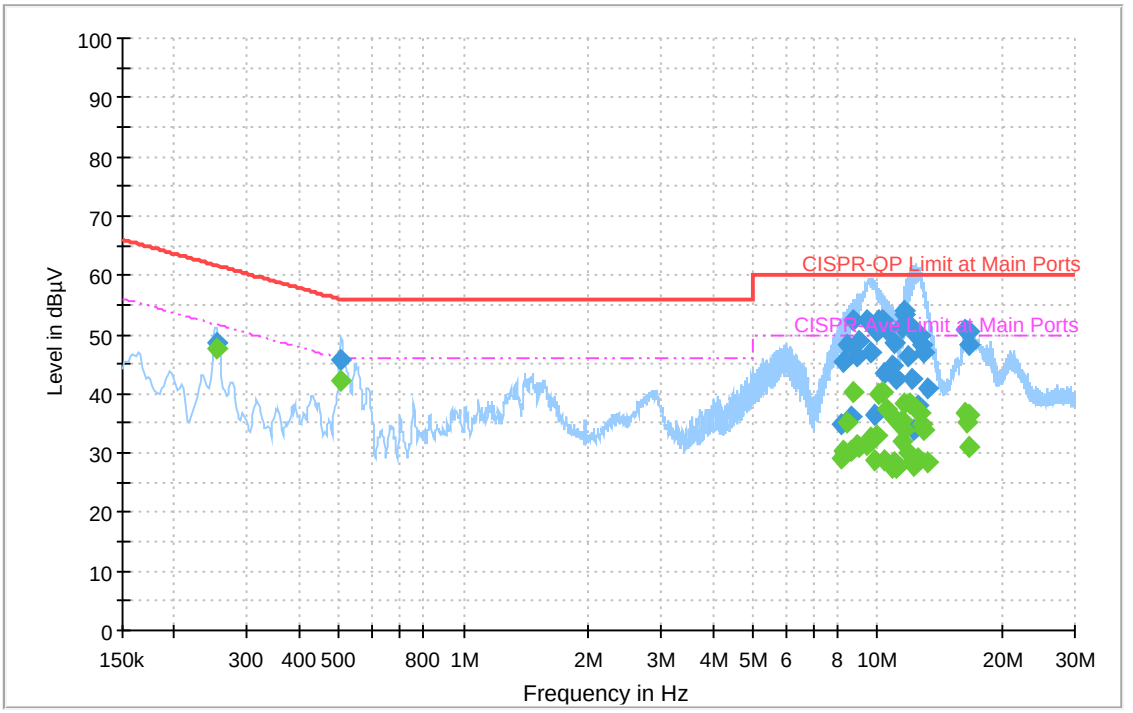
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.250665	48.72	---	61.74	13.02	L1	OFF	20.3
0.250665	---	48.04	51.74	3.70	L1	OFF	20.3
0.504861	45.66	---	56.00	10.34	L1	OFF	20.3
0.504861	---	42.53	46.00	3.47	L1	OFF	20.3
8.124000	42.88	---	60.00	17.12	L1	OFF	20.4
8.124000	---	29.68	50.00	20.32	L1	OFF	20.4
8.252970	35.54	---	60.00	24.46	L1	OFF	20.4
8.252970	---	29.94	50.00	20.06	L1	OFF	20.4
8.376981	40.68	---	60.00	19.32	L1	OFF	20.4
8.376981	---	30.19	50.00	19.81	L1	OFF	20.4
8.569212	35.92	---	60.00	24.08	L1	OFF	20.4
8.569212	---	30.39	50.00	19.61	L1	OFF	20.4
8.694636	47.75	---	60.00	12.25	L1	OFF	20.4
8.694636	---	31.62	50.00	18.38	L1	OFF	20.4
8.827170	50.82	---	60.00	9.18	L1	OFF	20.4
8.827170	---	38.61	50.00	11.39	L1	OFF	20.4
9.077613	48.89	---	60.00	11.11	L1	OFF	20.4
9.077613	---	31.69	50.00	18.31	L1	OFF	20.4
9.267810	45.70	---	60.00	14.30	L1	OFF	20.4
9.267810	---	30.68	50.00	19.32	L1	OFF	20.4
9.490326	54.78	---	60.00	5.22	L1	OFF	20.4

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
9.490326	---	37.14	50.00	12.86	L1	OFF	20.4
9.643929	53.95	---	60.00	6.05	L1	OFF	20.5
9.643929	---	37.36	50.00	12.64	L1	OFF	20.5
9.761595	41.66	---	60.00	18.34	L1	OFF	20.5
9.761595	---	30.73	50.00	19.27	L1	OFF	20.5
9.906927	51.19	---	60.00	8.81	L1	OFF	20.5
9.906927	---	36.77	50.00	13.23	L1	OFF	20.5
10.017294	50.13	---	60.00	9.87	L1	OFF	20.5
10.017294	---	33.51	50.00	16.49	L1	OFF	20.5
10.162644	47.83	---	60.00	12.17	L1	OFF	20.5
10.162644	---	34.37	50.00	15.63	L1	OFF	20.5
10.354641	47.91	---	60.00	12.09	L1	OFF	20.5
10.354641	---	34.98	50.00	15.02	L1	OFF	20.5
10.487454	31.62	---	60.00	28.38	L1	OFF	20.5
10.487454	---	25.52	50.00	24.48	L1	OFF	20.5
10.617378	49.14	---	60.00	10.86	L1	OFF	20.5
10.617378	---	35.84	50.00	14.16	L1	OFF	20.5
10.737474	47.13	---	60.00	12.87	L1	OFF	20.5
10.737474	---	33.88	50.00	16.12	L1	OFF	20.5
10.934304	49.31	---	60.00	10.69	L1	OFF	20.5
10.934304	---	36.42	50.00	13.58	L1	OFF	20.5
11.061573	42.22	---	60.00	17.78	L1	OFF	20.5
11.061573	---	26.64	50.00	23.36	L1	OFF	20.5
11.197374	37.66	---	60.00	22.34	L1	OFF	20.5
11.197374	---	23.98	50.00	26.02	L1	OFF	20.5
11.511762	37.60	---	60.00	22.40	L1	OFF	20.5
11.511762	---	23.35	50.00	26.65	L1	OFF	20.5
11.640264	54.58	---	60.00	5.42	L1	OFF	20.5
11.640264	---	41.68	50.00	8.32	L1	OFF	20.5
11.769162	33.08	---	60.00	26.92	L1	OFF	20.5
11.769162	---	24.75	50.00	25.25	L1	OFF	20.5
11.899437	48.81	---	60.00	11.19	L1	OFF	20.5
11.899437	---	33.48	50.00	16.52	L1	OFF	20.5
12.018255	55.36	---	60.00	4.64	L1	OFF	20.5
12.018255	---	41.78	50.00	8.22	L1	OFF	20.5
12.150150	55.57	---	60.00	4.43	L1	OFF	20.5
12.150150	---	36.55	50.00	13.45	L1	OFF	20.5
12.281433	52.49	---	60.00	7.51	L1	OFF	20.5
12.281433	---	34.95	50.00	15.05	L1	OFF	20.5
12.345360	54.31	---	60.00	5.69	L1	OFF	20.5
12.345360	---	37.05	50.00	12.95	L1	OFF	20.5
12.468822	54.26	---	60.00	5.74	L1	OFF	20.5
12.468822	---	34.56	50.00	15.44	L1	OFF	20.5
12.604308	52.01	---	60.00	7.99	L1	OFF	20.5
12.604308	---	30.76	50.00	19.24	L1	OFF	20.5
12.791796	54.66	---	60.00	5.34	L1	OFF	20.5
12.791796	---	36.17	50.00	13.83	L1	OFF	20.5
12.915582	55.22	---	60.00	4.78	L1	OFF	20.5
12.915582	---	38.93	50.00	11.07	L1	OFF	20.5
13.046667	53.13	---	60.00	6.87	L1	OFF	20.5
13.046667	---	36.82	50.00	13.18	L1	OFF	20.5
13.107687	52.19	---	60.00	7.81	L1	OFF	20.5
13.107687	---	36.26	50.00	13.74	L1	OFF	20.5
13.433055	39.50	---	60.00	20.50	L1	OFF	20.5
13.433055	---	26.72	50.00	23.28	L1	OFF	20.5
16.309176	43.35	---	60.00	16.65	L1	OFF	20.5
16.309176	---	29.63	50.00	20.37	L1	OFF	20.5
16.372221	34.12	---	60.00	25.88	L1	OFF	20.5
16.372221	---	25.21	50.00	24.79	L1	OFF	20.5
16.560375	46.33	---	60.00	13.67	L1	OFF	20.5
16.560375	---	33.83	50.00	16.17	L1	OFF	20.5

EUT Information

Site:	CO01-CA
Power:	120Vac/60Hz
Project	210727003
Mode	2

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.252186	48.55	---	61.69	13.13	N	OFF	20.3
0.252186	---	47.65	51.69	4.03	N	OFF	20.3
0.505590	45.58	---	56.00	10.42	N	OFF	20.3
0.505590	---	42.32	46.00	3.68	N	OFF	20.3
8.185506	34.92	---	60.00	25.08	N	OFF	20.4
8.185506	---	29.18	50.00	20.82	N	OFF	20.4
8.307744	45.30	---	60.00	14.70	N	OFF	20.4
8.307744	---	30.34	50.00	19.66	N	OFF	20.4
8.442339	48.12	---	60.00	11.88	N	OFF	20.4
8.442339	---	35.19	50.00	14.81	N	OFF	20.4
8.632581	36.03	---	60.00	23.97	N	OFF	20.4
8.632581	---	30.45	50.00	19.55	N	OFF	20.4
8.759265	52.40	---	60.00	7.60	N	OFF	20.4
8.759265	---	40.40	50.00	9.60	N	OFF	20.4
8.893149	46.22	---	60.00	13.78	N	OFF	20.4
8.893149	---	31.28	50.00	18.72	N	OFF	20.4
9.015414	49.03	---	60.00	10.97	N	OFF	20.4
9.015414	---	30.97	50.00	19.03	N	OFF	20.4
9.374523	52.36	---	60.00	7.64	N	OFF	20.4
9.374523	---	31.26	50.00	18.74	N	OFF	20.4
9.618756	47.11	---	60.00	12.89	N	OFF	20.4

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
9.618756	---	32.63	50.00	17.37	N	OFF	20.4
9.821031	36.53	---	60.00	23.47	N	OFF	20.4
9.821031	---	28.84	50.00	21.16	N	OFF	20.4
9.950703	50.39	---	60.00	9.61	N	OFF	20.4
9.950703	---	32.91	50.00	17.09	N	OFF	20.4
10.101003	52.44	---	60.00	7.56	N	OFF	20.5
10.101003	---	40.01	50.00	9.99	N	OFF	20.5
10.292586	52.33	---	60.00	7.67	N	OFF	20.5
10.292586	---	40.12	50.00	9.88	N	OFF	20.5
10.422753	43.61	---	60.00	16.39	N	OFF	20.5
10.422753	---	28.68	50.00	21.32	N	OFF	20.5
10.545054	50.81	---	60.00	9.19	N	OFF	20.5
10.545054	---	37.39	50.00	12.61	N	OFF	20.5
10.871772	44.86	---	60.00	15.14	N	OFF	20.5
10.871772	---	27.57	50.00	22.43	N	OFF	20.5
10.929957	48.48	---	60.00	11.52	N	OFF	20.5
10.929957	---	35.71	50.00	14.29	N	OFF	20.5
11.001714	42.88	---	60.00	17.12	N	OFF	20.5
11.001714	---	28.49	50.00	21.51	N	OFF	20.5
11.067828	42.60	---	60.00	17.40	N	OFF	20.5
11.067828	---	27.41	50.00	22.59	N	OFF	20.5
11.447844	51.25	---	60.00	8.75	N	OFF	20.5
11.447844	---	35.32	50.00	14.68	N	OFF	20.5
11.509287	51.56	---	60.00	8.44	N	OFF	20.5
11.509287	---	32.07	50.00	17.93	N	OFF	20.5
11.571873	53.84	---	60.00	6.16	N	OFF	20.5
11.571873	---	33.94	50.00	16.06	N	OFF	20.5
11.640633	53.45	---	60.00	6.55	N	OFF	20.5
11.640633	---	38.32	50.00	11.68	N	OFF	20.5
11.829084	46.20	---	60.00	13.80	N	OFF	20.5
11.829084	---	29.89	50.00	20.11	N	OFF	20.5
11.952969	51.37	---	60.00	8.63	N	OFF	20.5
11.952969	---	38.40	50.00	11.60	N	OFF	20.5
12.082839	42.44	---	60.00	17.56	N	OFF	20.5
12.082839	---	28.44	50.00	21.56	N	OFF	20.5
12.214905	33.83	---	60.00	26.17	N	OFF	20.5
12.214905	---	27.75	50.00	22.25	N	OFF	20.5
12.340518	49.89	---	60.00	10.11	N	OFF	20.5
12.340518	---	37.28	50.00	12.72	N	OFF	20.5
12.466959	37.96	---	60.00	22.04	N	OFF	20.5
12.466959	---	29.01	50.00	20.99	N	OFF	20.5
12.593382	49.71	---	60.00	10.29	N	OFF	20.5
12.593382	---	36.67	50.00	13.33	N	OFF	20.5
12.791049	48.19	---	60.00	11.81	N	OFF	20.5
12.791049	---	34.77	50.00	15.23	N	OFF	20.5
12.976710	46.90	---	60.00	13.10	N	OFF	20.5
12.976710	---	33.79	50.00	16.21	N	OFF	20.5
13.239870	40.84	---	60.00	19.16	N	OFF	20.5
13.239870	---	28.54	50.00	21.46	N	OFF	20.5
16.303686	50.76	---	60.00	9.24	N	OFF	20.5
16.303686	---	36.80	50.00	13.20	N	OFF	20.5
16.434789	50.57	---	60.00	9.43	N	OFF	20.5
16.434789	---	35.27	50.00	14.73	N	OFF	20.5
16.555065	50.63	---	60.00	9.37	N	OFF	20.5
16.555065	---	36.36	50.00	13.64	N	OFF	20.5
16.693404	48.16	---	60.00	11.84	N	OFF	20.5
16.693404	---	31.14	50.00	18.86	N	OFF	20.5

Appendix C. Radiated Spurious Emission

Test Engineer :	Fu Chen	**Temperature :**	20-25°C
		Relative Humidity :	42-50%

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		5148.72	54.02	-19.98	74	41.2	32.04	11.13	30.35	100	267	P	H
		5150	43.48	-10.52	54	30.67	32.03	11.13	30.35	100	267	A	H
		4786	53.92	-20.08	74	42.08	31.47	10.79	30.42	-	-	P	H
		4786	43.79	-10.21	54	31.95	31.47	10.79	30.42	-	-	A	H
	*	5180	94.54	-	-	81.85	31.88	11.17	30.36	100	267	P	H
	*	5180	86.74	-	-	74.05	31.88	11.17	30.36	100	267	A	H
		5422	53.57	-20.43	74	40.72	31.77	11.43	30.35	-	-	P	H
		5422	44.47	-9.53	54	31.62	31.77	11.43	30.35	-	-	A	H
		5150	66.32	-7.68	74	53.52	32.02	11.13	30.35	100	273	P	V
		5150	49.22	-4.78	54	36.42	32.02	11.13	30.35	100	273	A	V
		4786	54.43	-19.57	74	42.57	31.49	10.79	30.42	-	-	P	V
		4786	43.77	-10.23	54	31.91	31.49	10.79	30.42	-	-	A	V
	*	5180	106.62	-	-	93.93	31.88	11.17	30.36	100	273	P	V
	*	5180	98.97	-	-	86.28	31.88	11.17	30.36	100	273	A	V
		5446	54.51	-19.49	74	41.61	31.81	11.45	30.36	-	-	P	V
		5446	44.52	-9.48	54	31.62	31.81	11.45	30.36	-	-	A	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)
802.11a CH 44 5220MHz		5082.68	53.07	-20.93	74	40.33	32.07	11.04	30.37	101	274	P	H
		5150	43.62	-10.38	54	30.81	32.03	11.13	30.35	101	274	A	H
		4816	53.17	-20.83	74	41.26	31.5	10.83	30.42	-	-	P	H
		4816	43.82	-10.18	54	31.91	31.5	10.83	30.42	-	-	A	H
	*	5220	98.22	-	-	85.66	31.69	11.22	30.35	101	274	P	H
	*	5220	90.55	-	-	77.99	31.69	11.22	30.35	101	274	A	H
		5413.52	52.85	-21.15	74	40.03	31.75	11.42	30.35	101	274	P	H
		5458.32	42.55	-11.45	54	29.59	31.86	11.46	30.36	101	274	A	H
		5146.9	58.89	-15.11	74	46.09	32.02	11.13	30.35	100	269	P	V
		5150	49.78	-4.22	54	36.98	32.02	11.13	30.35	100	269	A	V
		4840	54.4	-19.6	74	42.44	31.54	10.84	30.42	-	-	P	V
		4840	43.95	-10.05	54	31.99	31.54	10.84	30.42	-	-	A	V
	*	5220	111.01	-	-	98.42	31.72	11.22	30.35	100	269	P	V
	*	5220	103.31	-	-	90.72	31.72	11.22	30.35	100	269	A	V
		5444.6	53.08	-20.92	74	40.19	31.8	11.45	30.36	100	269	P	V
		5445.16	43.59	-10.41	54	30.69	31.81	11.45	30.36	100	269	A	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)
802.11a CH 48 5240MHz		5137.54	53.57	-20.43	74	40.74	32.07	11.11	30.35	100	263	P	H
		5149.5	43.05	-10.95	54	30.24	32.03	11.13	30.35	100	263	A	H
		4810	53.34	-20.66	74	41.44	31.5	10.82	30.42	-	-	P	H
		4810	43.55	-10.45	54	31.65	31.5	10.82	30.42	-	-	A	H
	*	5240	100.53	-	-	88.03	31.6	11.24	30.34	100	263	P	H
	*	5240	92.63	-	-	80.13	31.6	11.24	30.34	100	263	A	H
		5369.28	52.22	-21.78	74	39.55	31.65	11.38	30.36	100	263	P	H
		5450.48	42.73	-11.27	54	29.8	31.84	11.45	30.36	100	263	A	H
		5142.74	56.01	-17.99	74	43.22	32.02	11.12	30.35	100	269	P	V
		5150	46.6	-7.4	54	33.8	32.02	11.13	30.35	100	269	A	V
		4834	53.95	-20.05	74	41.99	31.54	10.84	30.42	-	-	P	V
		4834	43.64	-10.36	54	31.68	31.54	10.84	30.42	-	-	A	V
	*	5240	112.38	-	-	99.83	31.65	11.24	30.34	100	269	P	V
	*	5240	104.72	-	-	92.17	31.65	11.24	30.34	100	269	A	V
		5372.08	53.29	-20.71	74	40.7	31.57	11.38	30.36	100	269	P	V
		5450.76	43.95	-10.05	54	31.04	31.82	11.45	30.36	100	269	A	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 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	46.08	-22.12	68.2	59.08	39.41	16.76	69.17	-	-	P	H
		11389	48.67	-25.33	74	58.97	39.98	17.82	68.1	-	-	P	H
		11389	38.82	-15.18	54	49.12	39.98	17.82	68.1	-	-	A	H
		14491	50.22	-23.78	74	55.92	41.94	20.34	67.98	-	-	P	H
		14491	41.77	-12.23	54	47.47	41.94	20.34	67.98	-	-	A	H
		15540	47.04	-26.96	74	56.37	38.19	20.78	68.3	-	-	P	H
		18000	57.77	-16.23	74	56.72	48.82	21.95	69.72	-	-	P	H
		18000	49.05	-4.95	54	48	48.82	21.95	69.72	-	-	A	H
													H
													H
													H
													H
		10360	45.69	-22.51	68.2	58.77	39.33	16.76	69.17	-	-	P	V
		11719	49.3	-24.7	74	59.5	39.37	18.16	67.73	-	-	P	V
		11719	38.5	-15.5	54	48.7	39.37	18.16	67.73	-	-	A	V
		14490	51.4	-22.6	74	57.1	41.94	20.34	67.98	-	-	P	V
		14490	41.82	-12.18	54	47.52	41.94	20.34	67.98	-	-	A	V
		15540	46.99	-27.01	74	56.22	38.29	20.78	68.3	-	-	P	V
		18000	57.69	-16.31	74	56.42	49.04	21.95	69.72	-	-	P	V
		18000	48.78	-5.22	54	47.51	49.04	21.95	69.72	-	-	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)
		10440	46.14	-22.06	68.2	58.67	39.6	16.85	68.98	-	-	P	H
		11026	48.51	-25.49	74	59.13	40.12	17.45	68.19	-	-	P	H
		11026	38.58	-15.42	54	49.2	40.12	17.45	68.19	-	-	A	H
		14490	49.87	-24.13	74	55.57	41.94	20.34	67.98	-	-	P	H
		14490	41.81	-12.19	54	47.51	41.94	20.34	67.98	-	-	A	H
		15660	45.54	-28.46	74	55.4	37.8	20.83	68.49	-	-	P	H
		17989	57.12	-16.88	74	56.51	48.53	21.93	69.85	-	-	P	H
		17989	48.54	-5.46	54	47.93	48.53	21.93	69.85	-	-	A	H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	45.35	-22.85	68.2	57.91	39.57	16.85	68.98	-	-	P	V
		11576	48.78	-25.22	74	58.37	40	18.02	67.61	-	-	P	V
		11576	38.85	-15.15	54	48.44	40	18.02	67.61	-	-	A	V
		14490	49.96	-24.04	74	55.66	41.94	20.34	67.98	-	-	P	V
		14490	41.92	-12.08	54	47.62	41.94	20.34	67.98	-	-	A	V
		15660	45.52	-28.48	74	55.31	37.87	20.83	68.49	-	-	P	V
		17967	58.28	-15.72	74	58.18	48.29	21.92	70.11	-	-	P	V
		17967	48	-6	54	47.9	48.29	21.92	70.11	-	-	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)
		10480	46.45	-21.75	68.2	58.69	39.7	16.88	68.82	-	-	P	H
		11433	48.77	-25.23	74	58.75	40.08	17.87	67.93	-	-	P	H
		11433	38.95	-15.05	54	48.93	40.08	17.87	67.93	-	-	A	H
		14490	50.59	-23.41	74	56.29	41.94	20.34	67.98	-	-	P	H
		14490	41.78	-12.22	54	47.48	41.94	20.34	67.98	-	-	A	H
		15720	45.92	-28.08	74	56.2	37.62	20.86	68.76	-	-	P	H
		18000	57.97	-16.03	74	56.92	48.82	21.95	69.72	-	-	P	H
		18000	48.97	-5.03	54	47.92	48.82	21.95	69.72	-	-	A	H
													H
													H
													H
802.11a CH 48 5240MHz													H
		10480	45.37	-22.83	68.2	57.67	39.64	16.88	68.82	-	-	P	V
		11510	48.55	-25.45	74	58.22	40.08	17.95	67.7	-	-	P	V
		11510	39.22	-14.78	54	48.89	40.08	17.95	67.7	-	-	A	V
		14490	51.14	-22.86	74	56.84	41.94	20.34	67.98	-	-	P	V
		14490	41.74	-12.26	54	47.44	41.94	20.34	67.98	-	-	A	V
		15720	46.1	-27.9	74	56.27	37.73	20.86	68.76	-	-	P	V
		17989	57.06	-16.94	74	56.19	48.79	21.93	69.85	-	-	P	V
		17989	48.82	-5.18	54	47.95	48.79	21.93	69.85	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 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		5115.26	53.3	-20.7	74	40.45	32.13	11.08	30.36	100	262	P	H
		5149.6	43.04	-10.96	54	30.23	32.03	11.13	30.35	100	262	A	H
		4822	52.97	-21.03	74	41.07	31.49	10.83	30.42	-	-	P	H
		4822	44.16	-9.84	54	32.26	31.49	10.83	30.42	-	-	A	H
	*	5260	102.79	-	-	90.33	31.54	11.26	30.34	100	262	P	H
	*	5260	95.1	-	-	82.64	31.54	11.26	30.34	100	262	A	H
		5454	52.1	-21.9	74	39.15	31.85	11.46	30.36	100	262	P	H
		5456.64	42.6	-11.4	54	29.64	31.86	11.46	30.36	100	262	A	H
		5142.46	55.03	-18.97	74	42.24	32.02	11.12	30.35	100	270	P	V
		5149.94	45.21	-8.79	54	32.41	32.02	11.13	30.35	100	270	A	V
		4810	53.8	-20.2	74	41.86	31.54	10.82	30.42	-	-	P	V
		4810	43.58	-10.42	54	31.64	31.54	10.82	30.42	-	-	A	V
	*	5260	113.72	-	-	101.23	31.57	11.26	30.34	100	270	P	V
	*	5260	106.24	-	-	93.75	31.57	11.26	30.34	100	270	A	V
		5352.96	55.63	-18.37	74	43.12	31.51	11.36	30.36	100	270	P	V
		5350.08	47.28	-6.72	54	34.78	31.5	11.36	30.36	100	270	A	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)
802.11a CH 60 5300MHz		5139.06	52.19	-21.81	74	39.37	32.06	11.11	30.35	105	263	P	H
		5145.18	42.92	-11.08	54	30.11	32.04	11.12	30.35	105	263	A	H
		4852	53.26	-20.74	74	41.36	31.47	10.85	30.42	-	-	P	H
		4852	43.52	-10.48	54	31.62	31.47	10.85	30.42	-	-	A	H
	*	5300	99.08	-	-	86.64	31.47	11.31	30.34	105	263	P	H
	*	5300	91.3	-	-	78.86	31.47	11.31	30.34	105	263	A	H
		5351.04	55	-19	74	42.4	31.6	11.36	30.36	105	263	P	H
		5350.56	44.94	-9.06	54	32.34	31.6	11.36	30.36	105	263	A	H
		5135.32	53.62	-20.38	74	40.85	32.02	11.11	30.36	101	269	P	V
		5149.94	43.78	-10.22	54	30.98	32.02	11.13	30.35	101	269	A	V
		4768	53.12	-20.88	74	41.39	31.41	10.75	30.43	-	-	P	V
		4768	43.41	-10.59	54	31.68	31.41	10.75	30.43	-	-	A	V
	*	5300	110.19	-	-	97.83	31.39	11.31	30.34	101	269	P	V
	*	5300	102.35	-	-	89.99	31.39	11.31	30.34	101	269	A	V
		5355.84	64.77	-9.23	74	52.25	31.52	11.36	30.36	101	269	P	V
		5350.08	52.99	-1.01	54	40.49	31.5	11.36	30.36	101	269	A	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)
802.11a CH 64 5320MHz		4858	53.18	-20.82	74	41.28	31.47	10.85	30.42	-	-	P	H
		4858	43.58	-10.42	54	31.68	31.47	10.85	30.42	-	-	A	H
	*	5320	95.27	-	-	82.77	31.52	11.33	30.35	100	265	P	H
	*	5320	87.53	-	-	75.03	31.52	11.33	30.35	100	265	A	H
		5350.4	54.73	-19.27	74	42.13	31.6	11.36	30.36	100	265	P	H
		5460	42.6	-11.4	54	29.64	31.86	11.46	30.36	100	265	A	H
		4804	53.73	-20.27	74	41.79	31.54	10.82	30.42	-	-	P	V
		4804	43.63	-10.37	54	31.69	31.54	10.82	30.42	-	-	A	V
	*	5320	105.96	-	-	93.55	31.43	11.33	30.35	100	267	P	V
	*	5320	98.03	-	-	85.62	31.43	11.33	30.35	100	267	A	V
		5352	61.5	-12.5	74	48.99	31.51	11.36	30.36	100	267	P	V
		5350.08	47.71	-6.29	54	35.21	31.5	11.36	30.36	100	267	A	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 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	47.89	-20.31	68.2	59.87	39.74	16.93	68.65	-	-	P	H
		11532	49.86	-24.14	74	59.46	40.1	17.97	67.67	-	-	P	H
		11532	39.09	-14.91	54	48.69	40.1	17.97	67.67	-	-	A	H
		14490	50.51	-23.49	74	56.21	41.94	20.34	67.98	-	-	P	H
		14490	41.76	-12.24	54	47.46	41.94	20.34	67.98	-	-	A	H
		15780	47.3	-26.7	74	57.69	37.48	20.88	68.75	-	-	P	H
		17967	59.18	-14.82	74	59.41	47.96	21.92	70.11	-	-	P	H
		17967	47.77	-6.23	54	48	47.96	21.92	70.11	-	-	A	H
													H
													H
													H
													H
		10520	47.44	-20.76	68.2	59.49	39.67	16.93	68.65	-	-	P	V
		10850	48.78	-25.22	74	60.27	39.96	17.26	68.71	-	-	P	V
		10850	37.73	-16.27	54	49.22	39.96	17.26	68.71	-	-	A	V
		14490	50.85	-23.15	74	56.55	41.94	20.34	67.98	-	-	P	V
		14490	41.91	-12.09	54	47.61	41.94	20.34	67.98	-	-	A	V
		15780	47.77	-26.23	74	58.02	37.62	20.88	68.75	-	-	P	V
		18000	58.65	-15.35	74	57.38	49.04	21.95	69.72	-	-	P	V
		18000	49.22	-4.78	54	47.95	49.04	21.95	69.72	-	-	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)
		10600	46.09	-27.91	74	57.82	39.68	17.01	68.42	-	-	P	H
		11356	49.14	-24.86	74	59.64	39.91	17.79	68.2	-	-	P	H
		11356	38.37	-15.63	54	48.87	39.91	17.79	68.2	-	-	A	H
		14490	50.2	-23.8	74	55.9	41.94	20.34	67.98	-	-	P	H
		14490	41.71	-12.29	54	47.41	41.94	20.34	67.98	-	-	A	H
		15900	45.37	-28.63	74	55.37	37.37	20.94	68.31	-	-	P	H
		17989	58.14	-15.86	74	57.53	48.53	21.93	69.85	-	-	P	H
		17989	48.73	-5.27	54	48.12	48.53	21.93	69.85	-	-	A	H
													H
													H
													H
802.11a CH 60 5300MHz													H
		10600	45.49	-28.51	74	57.23	39.67	17.01	68.42	-	-	P	V
		11367	48.49	-25.51	74	59	39.86	17.8	68.17	-	-	P	V
		11367	38.22	-15.78	54	48.73	39.86	17.8	68.17	-	-	A	V
		14491	50.53	-23.47	74	56.22	41.95	20.34	67.98	-	-	P	V
		14491	41.81	-12.19	54	47.5	41.95	20.34	67.98	-	-	A	V
		15900	46.95	-27.05	74	56.88	37.44	20.94	68.31	-	-	P	V
		17956	57.75	-16.25	74	58.03	48.04	21.92	70.24	-	-	P	V
		17956	47.78	-6.22	54	48.06	48.04	21.92	70.24	-	-	A	V
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													V
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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	46.19	-27.81	74	57.85	39.68	17.05	68.39	-	-	P	H
		11378	48.96	-25.04	74	59.32	39.96	17.81	68.13	-	-	P	H
		11378	38.77	-15.23	54	49.13	39.96	17.81	68.13	-	-	A	H
		14490	52.02	-21.98	74	57.72	41.94	20.34	67.98	-	-	P	H
		14490	41.81	-12.19	54	47.51	41.94	20.34	67.98	-	-	A	H
		15960	44.97	-29.03	74	54.86	37.33	20.96	68.18	-	-	P	H
		17967	57	-17	74	57.23	47.96	21.92	70.11	-	-	P	H
		17967	47.74	-6.26	54	47.97	47.96	21.92	70.11	-	-	A	H
													H
													H
													H
802.11a CH 64 5320MHz													H
		10640	46.45	-27.55	74	58.19	39.6	17.05	68.39	-	-	P	V
		11433	49.22	-24.78	74	59.27	40.01	17.87	67.93	-	-	P	V
		11433	38.78	-15.22	54	48.83	40.01	17.87	67.93	-	-	A	V
		14490	51.07	-22.93	74	56.77	41.94	20.34	67.98	-	-	P	V
		14490	41.82	-12.18	54	47.52	41.94	20.34	67.98	-	-	A	V
		15960	44.98	-29.02	74	54.71	37.49	20.96	68.18	-	-	P	V
		17989	58.05	-15.95	74	57.18	48.79	21.93	69.85	-	-	P	V
		17989	48.87	-5.13	54	48	48.79	21.93	69.85	-	-	A	V
													V
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Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	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		5458.48	55.08	-18.92	74	42.12	31.86	11.46	30.36	186	257	P	H
		5466.48	58.61	-9.59	68.2	45.64	31.87	11.47	30.37	186	257	P	H
		5459.28	44.86	-9.14	54	31.9	31.86	11.46	30.36	186	257	A	H
		4816	55.32	-18.68	74	43.41	31.5	10.83	30.42	-	-	P	H
		4816	43.58	-10.42	54	31.67	31.5	10.83	30.42	-	-	A	H
	*	5500	98.68	-	-	85.64	31.93	11.49	30.38	186	257	P	H
	*	5500	90.79	-	-	77.75	31.93	11.49	30.38	186	257	A	H
		5458.32	63.51	-10.49	74	50.56	31.85	11.46	30.36	100	267	P	V
		5468.72	67.69	-0.51	68.2	54.72	31.87	11.47	30.37	100	267	P	V
		5458.8	49.96	-4.04	54	37.01	31.85	11.46	30.36	100	267	A	V
		4816	54.3	-19.7	74	42.35	31.54	10.83	30.42	-	-	P	V
		4816	43.61	-10.39	54	31.66	31.54	10.83	30.42	-	-	A	V
	*	5500	107.01	-	-	93.94	31.96	11.49	30.38	100	267	P	V
	*	5500	99.83	-	-	86.76	31.96	11.49	30.38	100	267	A	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)
802.11a CH 116 5580MHz		5444.56	52.42	-21.58	74	39.5	31.83	11.45	30.36	196	256	P	H
		5467.12	52.17	-16.03	68.2	39.2	31.87	11.47	30.37	196	256	P	H
		5458.24	42.58	-11.42	54	29.62	31.86	11.46	30.36	196	256	A	H
		4870	53.85	-20.15	74	41.95	31.46	10.85	30.41	-	-	P	H
		4870	43.58	-10.42	54	31.68	31.46	10.85	30.41	-	-	A	H
	*	5580	104.64	-	-	91.49	31.96	11.56	30.37	196	256	P	H
	*	5580	96.64	-	-	83.49	31.96	11.56	30.37	196	256	A	H
		5749.565	52.94	-15.26	68.2	39.42	32.15	11.79	30.42	196	256	P	H
		5440.24	53.4	-20.6	74	40.53	31.79	11.44	30.36	101	267	P	V
		5468.08	53.79	-14.41	68.2	40.82	31.87	11.47	30.37	101	267	P	V
		5355.04	44.35	-9.65	54	31.83	31.52	11.36	30.36	101	267	A	V
		4846	53.29	-20.71	74	41.33	31.54	10.84	30.42	-	-	P	V
		4846	43.64	-10.36	54	31.68	31.54	10.84	30.42	-	-	A	V
	*	5580	112.11	-	-	99	31.92	11.56	30.37	101	267	P	V
	*	5580	104.55	-	-	91.44	31.92	11.56	30.37	101	267	A	V
		5738.54	53.59	-14.61	68.2	40.14	32.1	11.77	30.42	101	267	P	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)
802.11a CH 140 5700MHz		4864	54.93	-19.07	74	43.03	31.46	10.85	30.41	-	-	P	H
		4864	43.8	-10.2	54	31.9	31.46	10.85	30.41	-	-	A	H
		5416	53.72	-20.28	74	40.89	31.76	11.42	30.35	-	-	P	H
		5416	43.58	-10.42	54	30.75	31.76	11.42	30.35	-	-	A	H
	*	5700	98.33	-	-	85.05	31.98	11.72	30.42	271	255	P	H
	*	5700	90.68	-	-	77.4	31.98	11.72	30.42	271	255	A	H
		5726.92	58.85	-9.35	68.2	45.44	32.07	11.76	30.42	271	255	P	H
		4882	53.27	-20.73	74	41.45	31.37	10.86	30.41	-	-	P	V
		4882	43.65	-10.35	54	31.83	31.37	10.86	30.41	-	-	A	V
		5386	53.39	-20.61	74	40.72	31.62	11.4	30.35	-	-	P	V
		5386	43.44	-10.56	54	30.77	31.62	11.4	30.35	-	-	A	V
	*	5700	106.18	-	-	92.9	31.98	11.72	30.42	101	262	P	V
	*	5700	98.68	-	-	85.4	31.98	11.72	30.42	101	262	A	V
		5726.12	66.68	-1.52	68.2	53.28	32.06	11.76	30.42	101	262	P	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 802.11a (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)
		11000	47.01	-26.99	74	57.67	40.15	17.43	68.24	-	-	P	H
		11378	48.8	-25.2	74	59.16	39.96	17.81	68.13	-	-	P	H
		11378	38.85	-15.15	54	49.21	39.96	17.81	68.13	-	-	A	H
		14490	50.39	-23.61	74	56.09	41.94	20.34	67.98	-	-	P	H
		14490	41.85	-12.15	54	47.55	41.94	20.34	67.98	-	-	A	H
		16500	47.94	-20.26	68.2	55.69	39.13	21.23	68.11	-	-	P	H
		18000	57.29	-16.71	74	56.24	48.82	21.95	69.72	-	-	P	H
		18000	49.05	-4.95	54	48	48.82	21.95	69.72	-	-	A	H
													H
													H
													H
802.11a CH 100 5500MHz													H
		11000	46.13	-27.87	74	56.85	40.09	17.43	68.24	-	-	P	V
		11697	49.13	-24.87	74	59.16	39.48	18.14	67.65	-	-	P	V
		11697	38.69	-15.31	54	48.72	39.48	18.14	67.65	-	-	A	V
		14490	50.76	-23.24	74	56.46	41.94	20.34	67.98	-	-	P	V
		14490	41.82	-12.18	54	47.52	41.94	20.34	67.98	-	-	A	V
		16500	47.8	-20.4	68.2	55.41	39.27	21.23	68.11	-	-	P	V
		17989	58.26	-15.74	74	57.39	48.79	21.93	69.85	-	-	P	V
		17989	48.99	-5.01	54	48.12	48.79	21.93	69.85	-	-	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	47.85	-26.15	74	58.7	39.77	17.59	68.21	-	-	P	H
		11356	49.46	-24.54	74	59.96	39.91	17.79	68.2	-	-	P	H
		11356	38.17	-15.83	54	48.67	39.91	17.79	68.2	-	-	A	H
		14490	50.88	-23.12	74	56.58	41.94	20.34	67.98	-	-	P	H
		14490	41.75	-12.25	54	47.45	41.94	20.34	67.98	-	-	A	H
		16740	49.6	-18.6	68.2	56.62	40.12	21.34	68.48	-	-	P	H
		17989	58.84	-15.16	74	58.23	48.53	21.93	69.85	-	-	P	H
		17989	48.67	-5.33	54	48.06	48.53	21.93	69.85	-	-	A	H
													H
													H
													H
802.11a													H
CH 116		11160	47.81	-26.19	74	58.64	39.79	17.59	68.21	-	-	P	V
5580MHz		11389	49.16	-24.84	74	59.54	39.9	17.82	68.1	-	-	P	V
		11389	38.52	-15.48	54	48.9	39.9	17.82	68.1	-	-	A	V
		14490	51.25	-22.75	74	56.95	41.94	20.34	67.98	-	-	P	V
		14490	41.83	-12.17	54	47.53	41.94	20.34	67.98	-	-	A	V
		16740	49.27	-18.93	68.2	56.15	40.26	21.34	68.48	-	-	P	V
		18000	59.15	-14.85	74	57.88	49.04	21.95	69.72	-	-	P	V
		18000	49.38	-4.62	54	48.11	49.04	21.95	69.72	-	-	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)
		11290	48.43	-25.57	74	59.27	39.75	17.72	68.31	-	-	P	H
		11290	38.26	-15.74	54	49.1	39.75	17.72	68.31	-	-	A	H
		11400	47.7	-26.3	74	57.92	40.01	17.83	68.06	-	-	P	H
		14490	50.16	-23.84	74	55.86	41.94	20.34	67.98	-	-	P	H
		14490	41.85	-12.15	54	47.55	41.94	20.34	67.98	-	-	A	H
		17100	49.75	-18.45	68.2	56.57	40.41	21.51	68.74	-	-	P	H
		17967	57.92	-16.08	74	58.15	47.96	21.92	70.11	-	-	P	H
		17967	47.9	-6.1	54	48.13	47.96	21.92	70.11	-	-	A	H
													H
													H
													H
802.11a CH 140 5700MHz													H
		10949	48.63	-25.37	74	59.53	40.13	17.37	68.4	-	-	P	V
		10949	38.6	-15.4	54	49.5	40.13	17.37	68.4	-	-	A	V
		11400	47.19	-26.81	74	57.5	39.92	17.83	68.06	-	-	P	V
		14490	51.07	-22.93	74	56.77	41.94	20.34	67.98	-	-	P	V
		14490	41.84	-12.16	54	47.54	41.94	20.34	67.98	-	-	A	V
		17100	49.08	-19.12	68.2	55.78	40.53	21.51	68.74	-	-	P	V
		17989	58.47	-15.53	74	57.6	48.79	21.93	69.85	-	-	P	V
		17989	48.9	-5.1	54	48.03	48.79	21.93	69.85	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11a (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 144 5720MHz		5437.36	53.42	-20.58	74	40.53	31.81	11.44	30.36	259	250	P	H
		5465.05	52.45	-15.75	68.2	39.48	31.87	11.47	30.37	259	250	P	H
		5459.98	42.93	-11.07	54	29.97	31.86	11.46	30.36	259	250	A	H
		4816	54	-20	74	42.09	31.5	10.83	30.42	-	-	P	H
		4816	43.68	-10.32	54	31.77	31.5	10.83	30.42	-	-	A	H
	*	5720	106.72	-	-	93.34	32.05	11.75	30.42	259	250	P	H
	*	5720	98.79	-	-	85.41	32.05	11.75	30.42	259	250	A	H
		5944.54	53.73	-14.47	68.2	39.62	32.59	12.03	30.51	259	250	P	H
		5418.25	53.3	-20.7	74	40.5	31.72	11.43	30.35	101	257	P	V
		5460.76	52.58	-15.62	68.2	39.63	31.85	11.46	30.36	101	257	P	V
		5420.2	43.53	-10.47	54	30.72	31.73	11.43	30.35	101	257	A	V
		5116	54.68	-19.32	74	41.94	32.02	11.08	30.36	-	-	P	V
		5116	44.47	-9.53	54	31.73	32.02	11.08	30.36	-	-	A	V
	*	5720	114.25	-	-	100.88	32.04	11.75	30.42	101	257	P	V
	*	5720	106.43	-	-	93.06	32.04	11.75	30.42	101	257	A	V
		5942.2	55.35	-12.85	68.2	41.26	32.58	12.02	30.51	101	257	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Band 3 - Straddle Channel

WIFI 802.11a (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 144 5720MHz		11440	47.94	-26.06	74	57.88	40.09	17.88	67.91	-	-	P	H
		12621	49.48	-24.52	74	58.8	38.53	18.97	66.82	-	-	P	H
		12621	38.42	-15.58	54	47.74	38.53	18.97	66.82	-	-	A	H
		14490	51.55	-22.45	74	57.25	41.94	20.34	67.98	-	-	P	H
		14490	41.84	-12.16	54	47.54	41.94	20.34	67.98	-	-	A	H
		17160	51.55	-16.65	68.2	58.26	40.47	21.54	68.72	-	-	P	H
		17989	59.19	-14.81	74	58.58	48.53	21.93	69.85	-	-	P	H
		17989	48.64	-5.36	54	48.03	48.53	21.93	69.85	-	-	A	H
													H
													H
													H
													H
		11440	47.97	-26.03	74	57.97	40.03	17.88	67.91	-	-	P	V
		11741	49.85	-24.15	74	60.2	39.27	18.19	67.81	-	-	P	V
		11741	38.19	-15.81	54	48.54	39.27	18.19	67.81	-	-	A	V
		14491	50.99	-23.01	74	56.68	41.95	20.34	67.98	-	-	P	V
		14491	41.86	-12.14	54	47.55	41.95	20.34	67.98	-	-	A	V
		17160	51.17	-17.03	68.2	57.71	40.64	21.54	68.72	-	-	P	V
		17989	59.37	-14.63	74	58.5	48.79	21.93	69.85	-	-	P	V
		17989	49.07	-4.93	54	48.2	48.79	21.93	69.85	-	-	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.

Emission above 18GHz

WIFI 802.11a (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)
		36458	44.85	-29.15	74	36.14	42.31	21.65	55.25	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a													H
SHF		36458	44.3	-29.7	74	35.66	42.24	21.65	55.25	-	-	P	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

WIFI 802.11a (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)
		77.53	26.31	-13.69	40	43.84	13.45	1.44	32.42	-	-	P	H
		150.28	22.35	-21.15	43.5	35.39	17.37	1.99	32.4	-	-	P	H
		357.86	40.2	-5.8	46	48.72	20.91	3.05	32.48	100	93	Q	H
		784.66	31.03	-14.97	46	30.37	28.39	4.55	32.28	-	-	P	H
		841.89	31.57	-14.43	46	29.82	29.01	4.73	31.99	-	-	P	H
		958.29	34.33	-11.67	46	28.94	31.47	5.06	31.14	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		78.5	24.98	-15.02	40	42.41	13.55	1.44	32.42	-	-	P	V
		149.31	24.21	-19.29	43.5	37.24	17.4	1.97	32.4	-	-	P	V
		357.86	34.75	-11.25	46	43.27	20.91	3.05	32.48	-	-	P	V
		744.89	30.17	-15.83	46	30.05	28.1	4.44	32.42	-	-	P	V
		867.11	31.98	-14.02	46	29.74	29.3	4.79	31.85	-	-	P	V
		947.62	33.51	-12.49	46	28.65	31.1	5	31.24	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5146.38	65.75	-8.25	74	52.94	32.04	11.12	30.35	110	176	P	H
		5149.76	49.75	-4.25	54	36.94	32.03	11.13	30.35	110	176	A	H
	*	5180	108.78	-	-	96.09	31.88	11.17	30.36	110	176	P	H
	*	5180	101.36	-	-	88.67	31.88	11.17	30.36	110	176	A	H
802.11n		5434	53.48	-20.52	74	40.6	31.8	11.44	30.36	-	-	P	H
HT20		5434	44.68	-9.32	54	31.8	31.8	11.44	30.36	-	-	A	H
CH 36		5149.5	55.6	-18.4	74	42.8	32.02	11.13	30.35	366	222	P	V
5180MHz		5150	44.77	-9.23	54	31.97	32.02	11.13	30.35	366	222	A	V
	*	5180	99.63	-	-	86.94	31.88	11.17	30.36	366	222	P	V
	*	5180	92.05	-	-	79.36	31.88	11.17	30.36	366	222	A	V
		5410	52.83	-21.17	74	40.06	31.7	11.42	30.35	-	-	P	V
		5410	44.87	-9.13	54	32.1	31.7	11.42	30.35	-	-	A	V
		5146.12	63.54	-10.46	74	50.73	32.04	11.12	30.35	100	179	P	H
		5150	53.41	-0.59	54	40.6	32.03	11.13	30.35	100	179	A	H
		4876	53.5	-20.5	74	41.6	31.45	10.86	30.41	-	-	P	H
		4876	43.69	-10.31	54	31.79	31.45	10.86	30.41	-	-	A	H
	*	5220	113.57	-	-	101.01	31.69	11.22	30.35	100	179	P	H
	*	5220	106.19	-	-	93.63	31.69	11.22	30.35	100	179	A	H
802.11n		5442.64	53.4	-20.6	74	40.48	31.83	11.45	30.36	100	179	P	H
HT20		5429.48	44.93	-9.07	54	32.06	31.79	11.44	30.36	100	179	A	H
CH 44		5140.4	54.36	-19.64	74	41.57	32.02	11.12	30.35	378	227	P	V
5220MHz		5150	45.16	-8.84	54	32.36	32.02	11.13	30.35	378	227	A	V
		4804	53.54	-20.46	74	41.6	31.54	10.82	30.42	-	-	P	V
		4804	43.83	-10.17	54	31.89	31.54	10.82	30.42	-	-	A	V
	*	5220	103.8	-	-	91.21	31.72	11.22	30.35	378	227	P	V
	*	5220	96.19	-	-	83.6	31.72	11.22	30.35	378	227	A	V
		5448.8	51.84	-22.16	74	38.93	31.82	11.45	30.36	378	227	P	V
		5446	42.42	-11.58	54	29.52	31.81	11.45	30.36	378	227	A	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 48 5240MHz		5148.2	55.05	-18.95	74	42.23	32.04	11.13	30.35	107	174	P	H
		5150	47.32	-6.68	54	34.51	32.03	11.13	30.35	107	174	A	H
		4870	53.48	-20.52	74	41.58	31.46	10.85	30.41	-	-	P	H
		4870	43.87	-10.13	54	31.97	31.46	10.85	30.41	-	-	A	H
	*	5240	114.65	-	-	102.15	31.6	11.24	30.34	107	174	P	H
	*	5240	106.82	-	-	94.32	31.6	11.24	30.34	107	174	A	H
		5352.48	53.77	-20.23	74	41.16	31.61	11.36	30.36	107	174	P	H
		5449.92	44.93	-9.07	54	32	31.84	11.45	30.36	107	174	A	H
		5125.06	52.9	-21.1	74	40.14	32.02	11.1	30.36	378	227	P	V
		5150	43.27	-10.73	54	30.47	32.02	11.13	30.35	378	227	A	V
		4852	53.66	-20.34	74	41.71	31.52	10.85	30.42	-	-	P	V
		4852	43.83	-10.17	54	31.88	31.52	10.85	30.42	-	-	A	V
	*	5240	104.29	-	-	91.74	31.65	11.24	30.34	378	227	P	V
	*	5240	97.63	-	-	85.08	31.65	11.24	30.34	378	227	A	V
		5415.2	52.07	-21.93	74	39.29	31.71	11.42	30.35	378	227	P	V
		5449.92	42.48	-11.52	54	29.57	31.82	11.45	30.36	378	227	A	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 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	46.28	-21.92	68.2	59.28	39.41	16.76	69.17	-	-	P	H
		11510	48.72	-25.28	74	58.32	40.15	17.95	67.7	-	-	P	H
		11510	38.85	-15.15	54	48.45	40.15	17.95	67.7	-	-	A	H
		14490	50.89	-23.11	74	56.59	41.94	20.34	67.98	-	-	P	H
		14490	41.85	-12.15	54	47.55	41.94	20.34	67.98	-	-	A	H
		15540	47.42	-26.58	74	56.75	38.19	20.78	68.3	-	-	P	H
		18000	58	-16	74	56.95	48.82	21.95	69.72	-	-	P	H
		18000	49.14	-4.86	54	48.09	48.82	21.95	69.72	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 36		10360	46.37	-21.83	68.2	59.45	39.33	16.76	69.17	-	-	P	V
5180MHz		11686	48.49	-25.51	74	58.45	39.54	18.13	67.63	-	-	P	V
		11686	38.65	-15.35	54	48.61	39.54	18.13	67.63	-	-	A	V
		14490	49.81	-24.19	74	55.51	41.94	20.34	67.98	-	-	P	V
		14490	41.83	-12.17	54	47.53	41.94	20.34	67.98	-	-	A	V
		15540	46.92	-27.08	74	56.15	38.29	20.78	68.3	-	-	P	V
		18000	58.2	-15.8	74	56.93	49.04	21.95	69.72	-	-	P	V
		18000	49.32	-4.68	54	48.05	49.04	21.95	69.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	45.99	-22.21	68.2	58.52	39.6	16.85	68.98	-	-	P	H
		11367	48.76	-25.24	74	59.19	39.94	17.8	68.17	-	-	P	H
		11367	38.76	-15.24	54	49.19	39.94	17.8	68.17	-	-	A	H
		14490	51.45	-22.55	74	57.15	41.94	20.34	67.98	-	-	P	H
		14490	41.82	-12.18	54	47.52	41.94	20.34	67.98	-	-	A	H
		15660	45.72	-28.28	74	55.58	37.8	20.83	68.49	-	-	P	H
		17989	58.74	-15.26	74	58.13	48.53	21.93	69.85	-	-	P	H
		17989	48.75	-5.25	54	48.14	48.53	21.93	69.85	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 44		10440	46.63	-21.57	68.2	59.19	39.57	16.85	68.98	-	-	P	V
5220MHz		11433	49.08	-24.92	74	59.13	40.01	17.87	67.93	-	-	P	V
		11433	38.84	-15.16	54	48.89	40.01	17.87	67.93	-	-	A	V
		14490	50.4	-23.6	74	56.1	41.94	20.34	67.98	-	-	P	V
		14490	41.81	-12.19	54	47.51	41.94	20.34	67.98	-	-	A	V
		15660	46.53	-27.47	74	56.32	37.87	20.83	68.49	-	-	P	V
		18000	59.21	-14.79	74	57.94	49.04	21.95	69.72	-	-	P	V
		18000	49.38	-4.62	54	48.11	49.04	21.95	69.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	47.13	-21.07	68.2	59.37	39.7	16.88	68.82	-	-	P	H
		11532	49.16	-24.84	74	58.76	40.1	17.97	67.67	-	-	P	H
		11532	38.65	-15.35	54	48.25	40.1	17.97	67.67	-	-	A	H
		14490	49.93	-24.07	74	55.63	41.94	20.34	67.98	-	-	P	H
		14490	41.82	-12.18	54	47.52	41.94	20.34	67.98	-	-	A	H
		15720	46.27	-27.73	74	56.55	37.62	20.86	68.76	-	-	P	H
		18000	57.69	-16.31	74	56.64	48.82	21.95	69.72	-	-	P	H
		18000	49.02	-4.98	54	47.97	48.82	21.95	69.72	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 48		10480	45.88	-22.32	68.2	58.18	39.64	16.88	68.82	-	-	P	V
5240MHz		11631	48.89	-25.11	74	58.57	39.83	18.07	67.58	-	-	P	V
		11631	38.85	-15.15	54	48.53	39.83	18.07	67.58	-	-	A	V
		14491	50.44	-23.56	74	56.13	41.95	20.34	67.98	-	-	P	V
		14491	41.89	-12.11	54	47.58	41.95	20.34	67.98	-	-	A	V
		15720	46.51	-27.49	74	56.68	37.73	20.86	68.76	-	-	P	V
		17989	57.83	-16.17	74	56.96	48.79	21.93	69.85	-	-	P	V
		17989	48.87	-5.13	54	48	48.79	21.93	69.85	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.6	59.38	-14.62	74	46.57	32.04	11.12	30.35	111	178	P	H
		5150	49.34	-4.66	54	36.53	32.03	11.13	30.35	111	178	A	H
		4882	53.95	-20.05	74	42.05	31.45	10.86	30.41	-	-	P	H
		4882	44.13	-9.87	54	32.23	31.45	10.86	30.41	-	-	A	H
	*	5190	103.21	-	-	90.55	31.83	11.19	30.36	111	178	P	H
	*	5190	96.02	-	-	83.36	31.83	11.19	30.36	111	178	A	H
802.11n		5414.36	51.7	-22.3	74	38.88	31.75	11.42	30.35	111	178	P	H
HT40		5456.08	44.42	-9.58	54	31.47	31.85	11.46	30.36	111	178	A	H
CH 38		5122.72	52.19	-21.81	74	39.44	32.02	11.09	30.36	365	217	P	V
5190MHz		5149.5	44.76	-9.24	54	31.96	32.02	11.13	30.35	365	217	A	V
		4840	52.84	-21.16	74	40.88	31.54	10.84	30.42	-	-	P	V
		4840	44.75	-9.25	54	32.79	31.54	10.84	30.42	-	-	A	V
	*	5190	93.71	-	-	81.05	31.83	11.19	30.36	365	217	P	V
	*	5190	86.74	-	-	74.08	31.83	11.19	30.36	365	217	A	V
		5419.68	52.32	-21.68	74	39.51	31.73	11.43	30.35	365	217	P	V
		5455.8	44.15	-9.85	54	31.21	31.84	11.46	30.36	365	217	A	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 46 5230MHz		5148.2	55.41	-18.59	74	42.59	32.04	11.13	30.35	100	174	P	H
		5148.98	48.26	-5.74	54	35.45	32.03	11.13	30.35	100	174	A	H
		4852	52.73	-21.27	74	40.83	31.47	10.85	30.42	-	-	P	H
		4852	44.59	-9.41	54	32.69	31.47	10.85	30.42	-	-	A	H
	*	5230	106.15	-	-	93.62	31.65	11.23	30.35	100	174	P	H
	*	5230	99.58	-	-	87.05	31.65	11.23	30.35	100	174	A	H
		5416.32	53.03	-20.97	74	40.2	31.76	11.42	30.35	100	174	P	H
		5351.64	45.28	-8.72	54	32.68	31.6	11.36	30.36	100	174	A	H
	*	5143.52	52.44	-21.56	74	39.65	32.02	11.12	30.35	377	227	P	V
	*	5146.12	44.85	-9.15	54	32.06	32.02	11.12	30.35	377	227	A	V
		4864	52.6	-21.4	74	40.7	31.46	10.85	30.41	-	-	P	V
		4864	44.36	-9.64	54	32.46	31.46	10.85	30.41	-	-	A	V
		5230	97.12	-	-	84.56	31.68	11.23	30.35	377	227	P	V
		5230	90.76	-	-	78.2	31.68	11.23	30.35	377	227	A	V
		5452.44	52.22	-21.78	74	39.3	31.83	11.45	30.36	377	227	P	V
		5449.36	43.95	-10.05	54	31.04	31.82	11.45	30.36	377	227	A	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 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	45.58	-22.62	68.2	58.48	39.46	16.78	69.14	-	-	P	H
		11191	48.91	-25.09	74	59.82	39.73	17.62	68.26	-	-	P	H
		11191	38.08	-15.92	54	48.99	39.73	17.62	68.26	-	-	A	H
		14490	50.84	-23.16	74	56.54	41.94	20.34	67.98	-	-	P	H
		14490	41.98	-12.02	54	47.68	41.94	20.34	67.98	-	-	A	H
		15570	46.57	-27.43	74	55.93	38.08	20.79	68.23	-	-	P	H
		17989	57.3	-16.7	74	56.69	48.53	21.93	69.85	-	-	P	H
		17989	48.83	-5.17	54	48.22	48.53	21.93	69.85	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 38		10380	45.94	-22.26	68.2	58.89	39.41	16.78	69.14	-	-	P	V
5190MHz		12038	49.07	-24.93	74	58.97	39.19	18.48	67.57	-	-	P	V
		12038	38.61	-15.39	54	48.51	39.19	18.48	67.57	-	-	A	V
		14490	51.04	-22.96	74	56.74	41.94	20.34	67.98	-	-	P	V
		14490	41.98	-12.02	54	47.68	41.94	20.34	67.98	-	-	A	V
		15570	47.46	-26.54	74	56.72	38.18	20.79	68.23	-	-	P	V
		17989	58.31	-15.69	74	57.44	48.79	21.93	69.85	-	-	P	V
		17989	49.23	-4.77	54	48.36	48.79	21.93	69.85	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	45.85	-22.35	68.2	58.25	39.65	16.86	68.91	-	-	P	H
		11389	49.38	-24.62	74	59.68	39.98	17.82	68.1	-	-	P	H
		11389	38.82	-15.18	54	49.12	39.98	17.82	68.1	-	-	A	H
		14490	50.75	-23.25	74	56.45	41.94	20.34	67.98	-	-	P	H
		14490	42	-12	54	47.7	41.94	20.34	67.98	-	-	A	H
		15690	46.27	-27.73	74	56.38	37.7	20.85	68.66	-	-	P	H
		17989	57.12	-16.88	74	56.51	48.53	21.93	69.85	-	-	P	H
		17989	49.03	-4.97	54	48.42	48.53	21.93	69.85	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 46		10460	46.61	-21.59	68.2	59.05	39.61	16.86	68.91	-	-	P	V
5230MHz		11015	48.51	-25.49	74	59.22	40.06	17.44	68.21	-	-	P	V
		11015	38.38	-15.62	54	49.09	40.06	17.44	68.21	-	-	A	V
		14490	50.38	-23.62	74	56.08	41.94	20.34	67.98	-	-	P	V
		14490	41.96	-12.04	54	47.66	41.94	20.34	67.98	-	-	A	V
		15690	47.36	-26.64	74	57.37	37.8	20.85	68.66	-	-	P	V
		18000	57.35	-16.65	74	56.08	49.04	21.95	69.72	-	-	P	V
		18000	49.58	-4.42	54	48.31	49.04	21.95	69.72	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5148.2	56.38	-17.62	74	43.56	32.04	11.13	30.35	100	179	P	H
		5147.42	50.63	-3.37	54	37.81	32.04	11.13	30.35	100	179	A	H
		4804	53.41	-20.59	74	41.5	31.51	10.82	30.42	-	-	P	H
		4804	44.78	-9.22	54	32.87	31.51	10.82	30.42	-	-	A	H
	*	5210	100.06	-	-	87.47	31.74	11.21	30.36	100	179	P	H
	*	5210	92.88	-	-	80.29	31.74	11.21	30.36	100	179	A	H
802.11ac		5363.68	53.57	-20.43	74	40.93	31.63	11.37	30.36	100	179	P	V
VHT80		5352.2	47.26	-6.74	54	34.65	31.61	11.36	30.36	100	179	A	V
CH 42		5132.08	52.72	-21.28	74	39.96	32.02	11.1	30.36	299	221	P	V
5210MHz		5117.78	46.1	-7.9	54	33.36	32.02	11.08	30.36	299	221	A	V
		4918	53.93	-20.07	74	42.13	31.32	10.88	30.4	-	-	P	V
		4918	44.67	-9.33	54	32.87	31.32	10.88	30.4	-	-	A	V
	*	5210	89.2	-	-	76.6	31.75	11.21	30.36	299	221	P	V
	*	5210	83.25	-	-	70.65	31.75	11.21	30.36	299	221	A	V
		5437.32	51.56	-22.44	74	38.7	31.78	11.44	30.36	299	221	P	V
		5392.24	45.21	-8.79	54	32.52	31.64	11.4	30.35	299	221	A	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 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.07	-22.13	68.2	58.73	39.56	16.83	69.05	-	-	P	H
		11389	48.89	-25.11	74	59.19	39.98	17.82	68.1	-	-	P	H
		11389	40.32	-13.68	54	50.62	39.98	17.82	68.1	-	-	A	H
		14490	49.81	-24.19	74	55.51	41.94	20.34	67.98	-	-	P	H
		14490	43.22	-10.78	54	48.92	41.94	20.34	67.98	-	-	A	H
		15630	47.07	-26.93	74	56.7	37.9	20.82	68.35	-	-	P	H
		17967	57.73	-16.27	74	57.96	47.96	21.92	70.11	-	-	P	H
		17967	50.4	-3.6	54	50.63	47.96	21.92	70.11	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 42		10420	46.91	-21.29	68.2	59.6	39.53	16.83	69.05	-	-	P	V
5210MHz		12016	48.81	-25.19	74	58.86	39.16	18.46	67.67	-	-	P	V
		12016	40.59	-13.41	54	50.64	39.16	18.46	67.67	-	-	A	V
		14490	49.85	-24.15	74	55.55	41.94	20.34	67.98	-	-	P	V
		14490	43.22	-10.78	54	48.92	41.94	20.34	67.98	-	-	A	V
		15630	46.62	-27.38	74	56.18	37.97	20.82	68.35	-	-	P	V
		18000	57.56	-16.44	74	56.29	49.04	21.95	69.72	-	-	P	V
		18000	51.68	-2.32	54	50.41	49.04	21.95	69.72	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 2 - 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5034.34	54.47	-19.53	74	42.06	31.82	10.97	30.38	111	174	P	H
		5149.6	46.45	-7.55	54	33.64	32.03	11.13	30.35	111	174	A	H
		4822	53.17	-20.83	74	41.27	31.49	10.83	30.42	-	-	P	H
		4822	44.31	-9.69	54	32.41	31.49	10.83	30.42	-	-	A	H
	*	5260	117.03	-	-	104.57	31.54	11.26	30.34	111	174	P	H
	*	5260	109.43	-	-	96.97	31.54	11.26	30.34	111	174	A	H
802.11n		5350.32	58.97	-15.03	74	46.37	31.6	11.36	30.36	111	174	P	H
HT20		5350.08	49.74	-4.26	54	37.14	31.6	11.36	30.36	111	174	A	H
CH 52		5104.72	51.47	-22.53	74	38.76	32.01	11.07	30.37	397	232	P	V
5260MHz		5149.26	43.35	-10.65	54	30.55	32.02	11.13	30.35	397	232	A	V
		4804	53.23	-20.77	74	41.29	31.54	10.82	30.42	-	-	P	V
		4804	44.37	-9.63	54	32.43	31.54	10.82	30.42	-	-	A	V
	*	5260	107.4	-	-	94.91	31.57	11.26	30.34	397	232	P	V
	*	5260	100.13	-	-	87.64	31.57	11.26	30.34	397	232	A	V
		5352.96	52.38	-21.62	74	39.87	31.51	11.36	30.36	397	232	P	V
		5350.08	42.73	-11.27	54	30.23	31.5	11.36	30.36	397	232	A	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5120.02	52.2	-21.8	74	39.36	32.11	11.09	30.36	112	177	P	H
		5149.94	43.7	-10.3	54	30.89	32.03	11.13	30.35	112	177	A	H
		4798	52.94	-21.06	74	41.04	31.5	10.82	30.42	-	-	P	H
		4798	43.87	-10.13	54	31.97	31.5	10.82	30.42	-	-	A	H
	*	5300	111.14	-	-	98.7	31.47	11.31	30.34	112	177	P	H
	*	5300	104	-	-	91.56	31.47	11.31	30.34	112	177	A	H
802.11n		5364	63.51	-10.49	74	50.87	31.63	11.37	30.36	112	177	P	H
HT20		5350.56	52.99	-1.01	54	40.39	31.6	11.36	30.36	112	177	A	H
CH 60		5097.92	52.1	-21.9	74	39.4	32.01	11.06	30.37	370	234	P	V
5300MHz		5149.94	42.85	-11.15	54	30.05	32.02	11.13	30.35	370	234	A	V
		4804	53.49	-20.51	74	41.55	31.54	10.82	30.42	-	-	P	V
		4804	43.88	-10.12	54	31.94	31.54	10.82	30.42	-	-	A	V
	*	5300	101.85	-	-	89.49	31.39	11.31	30.34	370	234	P	V
	*	5300	93.57	-	-	81.21	31.39	11.31	30.34	370	234	A	V
		5355.6	57.61	-16.39	74	45.09	31.52	11.36	30.36	370	234	P	V
		5350.08	45.51	-8.49	54	33.01	31.5	11.36	30.36	370	234	A	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz		4864	53.54	-20.46	74	41.64	31.46	10.85	30.41	-	-	P	H
		4864	43.79	-10.21	54	31.89	31.46	10.85	30.41	-	-	A	H
	*	5320	108.53	-	-	96.03	31.52	11.33	30.35	106	186	P	H
	*	5320	108.53	-	-	96.03	31.52	11.33	30.35	106	186	A	H
		5351.04	66.52	-7.48	74	53.92	31.6	11.36	30.36	106	186	P	H
		5350.08	52.58	-1.42	54	39.98	31.6	11.36	30.36	106	186	A	H
		4876	54.1	-19.9	74	42.25	31.4	10.86	30.41	-	-	P	V
		4876	43.83	-10.17	54	31.98	31.4	10.86	30.41	-	-	A	V
	*	5320	99.43	-	-	87.02	31.43	11.33	30.35	325	228	P	V
	*	5320	92.04	-	-	79.63	31.43	11.33	30.35	325	228	A	V
		5350.08	57.82	-16.18	74	45.32	31.5	11.36	30.36	325	228	P	V
		5350.24	44.89	-9.11	54	32.39	31.5	11.36	30.36	325	228	A	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 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	46.92	-21.28	68.2	58.9	39.74	16.93	68.65	-	-	P	H
		11224	49.72	-24.28	74	60.64	39.72	17.66	68.3	-	-	P	H
		11224	37.95	-16.05	54	48.87	39.72	17.66	68.3	-	-	A	H
		14490	50.31	-23.69	74	56.01	41.94	20.34	67.98	-	-	P	H
		14490	41.78	-12.22	54	47.48	41.94	20.34	67.98	-	-	A	H
		15780	47.72	-26.28	74	58.11	37.48	20.88	68.75	-	-	P	H
		18000	58.43	-15.57	74	57.38	48.82	21.95	69.72	-	-	P	H
		18000	49.09	-4.91	54	48.04	48.82	21.95	69.72	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 52		10520	47.33	-20.87	68.2	59.38	39.67	16.93	68.65	-	-	P	V
5260MHz		11466	48.98	-25.02	74	58.82	40.07	17.91	67.82	-	-	P	V
		11466	38.72	-15.28	54	48.56	40.07	17.91	67.82	-	-	A	V
		14490	51.23	-22.77	74	56.93	41.94	20.34	67.98	-	-	P	V
		14490	41.81	-12.19	54	47.51	41.94	20.34	67.98	-	-	A	V
		15780	48.68	-25.32	74	58.93	37.62	20.88	68.75	-	-	P	V
		18000	58.77	-15.23	74	57.5	49.04	21.95	69.72	-	-	P	V
		18000	49.39	-4.61	54	48.12	49.04	21.95	69.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	45.96	-28.04	74	57.69	39.68	17.01	68.42	-	-	P	H
		10949	49.34	-24.66	74	60.2	40.17	17.37	68.4	-	-	P	H
		10949	38.56	-15.44	54	49.42	40.17	17.37	68.4	-	-	A	H
		14491	51.28	-22.72	74	56.98	41.94	20.34	67.98	-	-	P	H
		14491	41.85	-12.15	54	47.55	41.94	20.34	67.98	-	-	A	H
		15900	45.85	-28.15	74	55.85	37.37	20.94	68.31	-	-	P	H
		17978	57.34	-16.66	74	57.14	48.25	21.93	69.98	-	-	P	H
		17978	48.37	-5.63	54	48.17	48.25	21.93	69.98	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 60		10600	46.21	-27.79	74	57.95	39.67	17.01	68.42	-	-	P	V
5300MHz		11543	48.69	-25.31	74	58.31	40.05	17.99	67.66	-	-	P	V
		11543	38.59	-15.41	54	48.21	40.05	17.99	67.66	-	-	A	V
		14490	49.99	-24.01	74	55.69	41.94	20.34	67.98	-	-	P	V
		14490	41.92	-12.08	54	47.62	41.94	20.34	67.98	-	-	A	V
		15900	45.87	-28.13	74	55.8	37.44	20.94	68.31	-	-	P	V
		17989	57.84	-16.16	74	56.97	48.79	21.93	69.85	-	-	P	V
		17989	49.01	-4.99	54	48.14	48.79	21.93	69.85	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	46.49	-27.51	74	58.15	39.68	17.05	68.39	-	-	P	H
		11708	49.38	-24.62	74	59.48	39.43	18.15	67.68	-	-	P	H
		11708	38.52	-15.48	54	48.62	39.43	18.15	67.68	-	-	A	H
		14490	51.03	-22.97	74	56.73	41.94	20.34	67.98	-	-	P	H
		14490	41.94	-12.06	54	47.64	41.94	20.34	67.98	-	-	A	H
		15960	45.35	-28.65	74	55.24	37.33	20.96	68.18	-	-	P	H
		17989	57.87	-16.13	74	57.26	48.53	21.93	69.85	-	-	P	H
		17989	48.55	-5.45	54	47.94	48.53	21.93	69.85	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 64		10640	46.48	-27.52	74	58.22	39.6	17.05	68.39	-	-	P	V
5320MHz		11499	49.31	-24.69	74	58.99	40.09	17.94	67.71	-	-	P	V
		11499	38.63	-15.37	54	48.31	40.09	17.94	67.71	-	-	A	V
		14490	50.19	-23.81	74	55.89	41.94	20.34	67.98	-	-	P	V
		14490	41.93	-12.07	54	47.63	41.94	20.34	67.98	-	-	A	V
		15960	45.93	-28.07	74	55.66	37.49	20.96	68.18	-	-	P	V
		17956	57.69	-16.31	74	57.97	48.04	21.92	70.24	-	-	P	V
		17956	47.71	-6.29	54	47.99	48.04	21.92	70.24	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.86	53.97	-20.03	74	41.16	32.04	11.12	30.35	100	179	P	H
		5149.6	45.93	-8.07	54	33.12	32.03	11.13	30.35	100	179	A	H
		4828	53.37	-20.63	74	41.47	31.49	10.83	30.42	-	-	P	H
		4828	44.46	-9.54	54	32.56	31.49	10.83	30.42	-	-	A	H
	*	5270	107.59	-	-	95.14	31.52	11.27	30.34	100	179	P	H
	*	5270	101.27	-	-	88.82	31.52	11.27	30.34	100	179	A	H
802.11n		5357.04	61.43	-12.57	74	48.81	31.62	11.36	30.36	100	179	P	H
HT40		5350.08	52.06	-1.94	54	39.46	31.6	11.36	30.36	100	179	A	H
CH 54		5126.82	52.31	-21.69	74	39.55	32.02	11.1	30.36	373	234	P	V
5270MHz		5148.24	44.5	-9.5	54	31.7	32.02	11.13	30.35	373	234	A	V
		4804	53.81	-20.19	74	41.87	31.54	10.82	30.42	-	-	P	V
		4804	44.59	-9.41	54	32.65	31.54	10.82	30.42	-	-	A	V
	*	5270	97.9	-	-	85.45	31.52	11.27	30.34	373	234	P	V
	*	5270	91.71	-	-	79.26	31.52	11.27	30.34	373	234	A	V
		5355.6	51.33	-22.67	74	38.81	31.52	11.36	30.36	373	234	P	V
		5351.04	44.47	-9.53	54	31.97	31.5	11.36	30.36	373	234	A	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		5140.76	52.37	-21.63	74	39.54	32.06	11.12	30.35	100	185	P	H
		5138.72	44.73	-9.27	54	31.91	32.06	11.11	30.35	100	185	A	H
		4852	54.32	-19.68	74	42.42	31.47	10.85	30.42	-	-	P	H
		4852	45.03	-8.97	54	33.13	31.47	10.85	30.42	-	-	A	H
	*	5310	102.44	-	-	89.96	31.5	11.32	30.34	100	185	P	H
	*	5310	96.1	-	-	83.62	31.5	11.32	30.34	100	185	A	H
		5351.52	57.96	-16.04	74	45.36	31.6	11.36	30.36	100	185	P	H
		5351.04	49.03	-4.97	54	36.43	31.6	11.36	30.36	100	185	A	H
		5022.78	52.39	-21.61	74	39.96	31.86	10.95	30.38	325	227	P	V
		5129.88	44.39	-9.61	54	31.63	32.02	11.1	30.36	325	227	A	V
		4876	52.86	-21.14	74	41.01	31.4	10.86	30.41	-	-	P	V
		4876	44.5	-9.5	54	32.65	31.4	10.86	30.41	-	-	A	V
	*	5310	92.73	-	-	80.34	31.41	11.32	30.34	325	227	P	V
	*	5310	86.69	-	-	74.3	31.41	11.32	30.34	325	227	A	V
		5456.4	52.3	-21.7	74	39.36	31.84	11.46	30.36	325	227	P	V
		5459.28	44.04	-9.96	54	31.09	31.85	11.46	30.36	325	227	A	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 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	46.66	-21.54	68.2	58.56	39.73	16.95	68.58	-	-	P	H
		11499	49.25	-24.75	74	58.85	40.17	17.94	67.71	-	-	P	H
		11499	38.84	-15.16	54	48.44	40.17	17.94	67.71	-	-	A	H
		14490	50.37	-23.63	74	56.07	41.94	20.34	67.98	-	-	P	H
		14490	42.1	-11.9	54	47.8	41.94	20.34	67.98	-	-	A	H
		15810	46.86	-27.14	74	57.19	37.42	20.9	68.65	-	-	P	H
		18000	57.56	-16.44	74	56.51	48.82	21.95	69.72	-	-	P	H
		18000	49.4	-4.6	54	48.35	48.82	21.95	69.72	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 54		10540	46.18	-22.02	68.2	58.14	39.67	16.95	68.58	-	-	P	V
5270MHz		11499	49.82	-24.18	74	59.5	40.09	17.94	67.71	-	-	P	V
		11499	38.71	-15.29	54	48.39	40.09	17.94	67.71	-	-	A	V
		14491	50.74	-23.26	74	56.43	41.95	20.34	67.98	-	-	P	V
		14491	42.13	-11.87	54	47.82	41.95	20.34	67.98	-	-	A	V
		15810	46.86	-27.14	74	57.04	37.57	20.9	68.65	-	-	P	V
		17978	58.08	-15.92	74	57.59	48.54	21.93	69.98	-	-	P	V
		17978	48.89	-5.11	54	48.4	48.54	21.93	69.98	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	46.74	-27.26	74	58.43	39.68	17.03	68.4	-	-	P	H
		11686	49.49	-24.51	74	59.46	39.53	18.13	67.63	-	-	P	H
		11686	39.27	-14.73	54	49.24	39.53	18.13	67.63	-	-	A	H
		14490	50.79	-23.21	74	56.49	41.94	20.34	67.98	-	-	P	H
		14490	42.11	-11.89	54	47.81	41.94	20.34	67.98	-	-	A	H
		15930	45.79	-28.21	74	55.73	37.34	20.95	68.23	-	-	P	H
		17978	57.79	-16.21	74	57.59	48.25	21.93	69.98	-	-	P	H
		17978	48.79	-5.21	54	48.59	48.25	21.93	69.98	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 62		10620	46.72	-27.28	74	58.46	39.63	17.03	68.4	-	-	P	V
5310MHz		11356	48.82	-25.18	74	59.39	39.84	17.79	68.2	-	-	P	V
		11356	38.95	-15.05	54	49.52	39.84	17.79	68.2	-	-	A	V
		14490	51.8	-22.2	74	57.5	41.94	20.34	67.98	-	-	P	V
		14490	42.13	-11.87	54	47.83	41.94	20.34	67.98	-	-	A	V
		15930	44.93	-29.07	74	54.75	37.46	20.95	68.23	-	-	P	V
		18000	57.93	-16.07	74	56.66	49.04	21.95	69.72	-	-	P	V
		18000	49.8	-4.2	54	48.53	49.04	21.95	69.72	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5070.04	53.37	-20.63	74	40.73	32	11.02	30.38	104	179	P	H
		5138.04	47.24	-6.76	54	34.42	32.06	11.11	30.35	104	179	A	H
		4816	54	-20	74	42.09	31.5	10.83	30.42	-	-	P	H
		4816	45.04	-8.96	54	33.13	31.5	10.83	30.42	-	-	A	H
	*	5290	98.93	-	-	86.49	31.49	11.29	30.34	104	179	P	H
	*	5290	92.06	-	-	79.62	31.49	11.29	30.34	104	179	A	H
802.11ac		5357.04	55.93	-18.07	74	43.31	31.62	11.36	30.36	104	179	P	H
VHT80		5351.76	50.54	-3.46	54	37.93	31.61	11.36	30.36	104	179	A	H
CH 58		5029.24	52.49	-21.51	74	40.02	31.89	10.96	30.38	309	227	P	V
5290MHz		5143.48	45.84	-8.16	54	33.05	32.02	11.12	30.35	309	227	A	V
		4810	52.86	-21.14	74	40.92	31.54	10.82	30.42	-	-	P	V
		4810	45.27	-8.73	54	33.33	31.54	10.82	30.42	-	-	A	V
	*	5290	88.26	-	-	75.88	31.43	11.29	30.34	309	227	P	V
	*	5290	82.47	-	-	70.09	31.43	11.29	30.34	309	227	A	V
		5428.56	51.5	-22.5	74	38.68	31.75	11.43	30.36	309	227	P	V
		5447.04	45.66	-8.34	54	32.76	31.81	11.45	30.36	309	227	A	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 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.26	-21.94	68.2	58.05	39.69	16.99	68.47	-	-	P	H
		11389	49.46	-24.54	74	59.76	39.98	17.82	68.1	-	-	P	H
		11389	41.08	-12.92	54	51.38	39.98	17.82	68.1	-	-	A	H
		14490	50.74	-23.26	74	56.44	41.94	20.34	67.98	-	-	P	H
		14490	43.1	-10.9	54	48.8	41.94	20.34	67.98	-	-	A	H
		15870	46.63	-27.37	74	56.74	37.38	20.92	68.41	-	-	P	H
		18000	58.51	-15.49	74	57.46	48.82	21.95	69.72	-	-	P	H
		18000	51.45	-2.55	54	50.4	48.82	21.95	69.72	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 58		10580	46.48	-21.72	68.2	58.29	39.67	16.99	68.47	-	-	P	V
5290MHz		11301	48.86	-25.14	74	59.74	39.7	17.73	68.31	-	-	P	V
		11301	40.06	-13.94	54	50.94	39.7	17.73	68.31	-	-	A	V
		14490	50.95	-23.05	74	56.65	41.94	20.34	67.98	-	-	P	V
		14490	43.25	-10.75	54	48.95	41.94	20.34	67.98	-	-	A	V
		15870	46.16	-27.84	74	56.17	37.48	20.92	68.41	-	-	P	V
		18000	57.44	-16.56	74	56.17	49.04	21.95	69.72	-	-	P	V
		18000	51.78	-2.22	54	50.51	49.04	21.95	69.72	-	-	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.12	63	-11	74	50.05	31.85	11.46	30.36	100	182	P	H
		5468.88	67.45	-0.75	68.2	54.47	31.88	11.47	30.37	100	182	P	H
		5459.76	50.78	-3.22	54	37.82	31.86	11.46	30.36	100	182	A	H
		4810	52.84	-21.16	74	31.99	31.5	10.82	30.42	-	-	P	H
		4810	43.89	-10.11	54	40.94	31.5	10.82	30.42	-	-	A	H
802.11n	*	5500	108.92	-	-	95.88	31.93	11.49	30.38	100	182	P	H
HT20	*	5500	100.77	-	-	87.73	31.93	11.49	30.38	100	182	A	H
CH 100		5458	54	-20	74	41.06	31.84	11.46	30.36	400	104	P	V
5500MHz		5466.96	60.76	-7.44	68.2	47.79	31.87	11.47	30.37	400	104	P	V
		5459.92	44.6	-9.4	54	31.65	31.85	11.46	30.36	400	104	A	V
		4888	53.86	-20.14	74	42.06	31.34	10.86	30.4	-	-	P	V
		4888	43.72	-10.28	54	31.92	31.34	10.86	30.4	-	-	A	V
	*	5500	100.74	-	-	87.67	31.96	11.49	30.38	400	104	P	V
	*	5500	92.32	-	-	79.25	31.96	11.49	30.38	400	104	A	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 116 5580MHz		5355.76	56.55	-17.45	74	43.94	31.61	11.36	30.36	100	182	P	H
		5462.08	55.63	-12.57	68.2	42.67	31.86	11.46	30.36	100	182	P	H
		5356	47.59	-6.41	54	34.98	31.61	11.36	30.36	100	182	A	H
		5110	55	-19	74	42.16	32.14	11.07	30.37	-	-	P	H
		5110	45.08	-8.92	54	32.24	32.14	11.07	30.37	-	-	A	H
	*	5580	118.29	-	-	105.14	31.96	11.56	30.37	100	182	P	H
	*	5580	109.24	-	-	96.09	31.96	11.56	30.37	100	182	A	H
		5725	53.44	-14.76	68.2	40.03	32.07	11.76	30.42	100	182	P	H
		5457.04	52.89	-21.11	74	39.95	31.84	11.46	30.36	100	58	P	V
		5465.44	52.64	-15.56	68.2	39.68	31.86	11.47	30.37	100	58	P	V
		5459.68	42.96	-11.04	54	30.01	31.85	11.46	30.36	100	58	A	V
		4840	54.64	-19.36	74	42.68	31.54	10.84	30.42	-	-	P	V
		4840	43.94	-10.06	54	31.98	31.54	10.84	30.42	-	-	A	V
	*	5580	108.74	-	-	95.63	31.92	11.56	30.37	100	58	P	V
	*	5580	101.23	-	-	88.12	31.92	11.56	30.37	100	58	A	V
		5727.515	53.5	-14.7	68.2	40.09	32.07	11.76	30.42	100	58	P	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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.79	-27.21	74	57.45	40.15	17.43	68.24	-	-	P	H
		11356	49.42	-24.58	74	59.92	39.91	17.79	68.2	-	-	P	H
		11356	38.71	-15.29	54	49.21	39.91	17.79	68.2	-	-	A	H
		14490	49.62	-24.38	74	55.32	41.94	20.34	67.98	-	-	P	H
		14490	41.98	-12.02	54	47.68	41.94	20.34	67.98	-	-	A	H
		16500	47.03	-21.17	68.2	54.78	39.13	21.23	68.11	-	-	P	H
		17989	57.45	-16.55	74	56.84	48.53	21.93	69.85	-	-	P	H
		17989	48.75	-5.25	54	48.14	48.53	21.93	69.85	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 100		11000	46.72	-27.28	74	57.44	40.09	17.43	68.24	-	-	P	V
5500MHz		12247	48.17	-25.83	74	57.59	39.12	18.66	67.2	-	-	P	V
		12247	38.55	-15.45	54	47.97	39.12	18.66	67.2	-	-	A	V
		14490	49.57	-24.43	74	55.27	41.94	20.34	67.98	-	-	P	V
		14490	41.85	-12.15	54	47.55	41.94	20.34	67.98	-	-	A	V
		16500	47.38	-20.82	68.2	54.99	39.27	21.23	68.11	-	-	P	V
		18000	57.63	-16.37	74	56.36	49.04	21.95	69.72	-	-	P	V
		18000	49.4	-4.6	54	48.13	49.04	21.95	69.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	47.98	-26.02	74	58.83	39.77	17.59	68.21	-	-	P	H
		11488	50.25	-23.75	74	59.91	40.16	17.93	67.75	-	-	P	H
		11488	38.83	-15.17	54	48.49	40.16	17.93	67.75	-	-	A	H
		14490	51.26	-22.74	74	56.96	41.94	20.34	67.98	-	-	P	H
		14490	41.92	-12.08	54	47.62	41.94	20.34	67.98	-	-	A	H
		16740	49.81	-18.39	68.2	56.83	40.12	21.34	68.48	-	-	P	H
		17989	58.31	-15.69	74	57.7	48.53	21.93	69.85	-	-	P	H
		17989	48.79	-5.21	54	48.18	48.53	21.93	69.85	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 116		11160	47.92	-26.08	74	58.75	39.79	17.59	68.21	-	-	P	V
5580MHz		11994	48.55	-25.45	74	58.76	39.13	18.44	67.78	-	-	P	V
		11994	38.22	-15.78	54	48.43	39.13	18.44	67.78	-	-	A	V
		14490	51.44	-22.56	74	57.14	41.94	20.34	67.98	-	-	P	V
		14490	41.98	-12.02	54	47.68	41.94	20.34	67.98	-	-	A	V
		16740	49.41	-18.79	68.2	56.29	40.26	21.34	68.48	-	-	P	V
		18000	59.65	-14.35	74	58.38	49.04	21.95	69.72	-	-	P	V
		18000	49.4	-4.6	54	48.13	49.04	21.95	69.72	-	-	A	V
													V
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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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.8	61.29	-12.71	74	48.33	31.86	11.46	30.36	100	182	P	H
		5469.76	62.61	-5.59	68.2	49.63	31.88	11.47	30.37	100	182	P	H
		5458.72	49.57	-4.43	54	36.61	31.86	11.46	30.36	100	182	A	H
		5128	55.39	-18.61	74	42.56	32.09	11.1	30.36	-	-	P	H
		5128	45.55	-8.45	54	32.72	32.09	11.1	30.36	-	-	A	H
	*	5510	104.21	-	-	91.17	31.92	11.5	30.38	100	182	P	H
802.11n	*	5510	97.09	-	-	84.05	31.92	11.5	30.38	100	182	A	H
HT40		5742.32	51.79	-16.41	68.2	38.3	32.13	11.78	30.42	100	182	P	H
CH 102		5440	54.01	-19.99	74	41.14	31.79	11.44	30.36	400	106	P	V
5510MHz		5466.16	56.75	-11.45	68.2	43.78	31.87	11.47	30.37	400	106	P	V
		5458.96	45.39	-8.61	54	32.44	31.85	11.46	30.36	400	106	A	V
		4930	53.92	-20.08	74	42.09	31.34	10.89	30.4	-	-	P	V
		4930	44.31	-9.69	54	32.48	31.34	10.89	30.4	-	-	A	V
	*	5510	95.77	-	-	82.69	31.96	11.5	30.38	400	106	P	V
	*	5510	88.21	-	-	75.13	31.96	11.5	30.38	400	106	A	V
		5744.84	51.49	-16.71	68.2	38.01	32.12	11.78	30.42	400	106	P	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.48	62.67	-11.33	74	49.71	31.86	11.46	30.36	100	180	P	H
		5469.28	60.93	-7.27	68.2	47.95	31.88	11.47	30.37	100	180	P	H
		5459.68	51.01	-2.99	54	38.05	31.86	11.46	30.36	100	180	A	H
		5104	53.96	-20.04	74	41.1	32.16	11.07	30.37	-	-	P	H
		5104	45.58	-8.42	54	32.72	32.16	11.07	30.37	-	-	A	H
	*	5550	108.06	-	-	94.98	31.9	11.54	30.36	100	180	P	H
802.11n	*	5550	101.47	-	-	88.39	31.9	11.54	30.36	100	180	A	H
HT40		5756.18	52.29	-15.91	68.2	38.74	32.17	11.8	30.42	100	180	P	H
CH 110		5459.68	54.14	-19.86	74	41.19	31.85	11.46	30.36	393	106	P	V
5550MHz		5468.56	55.14	-13.06	68.2	42.17	31.87	11.47	30.37	393	106	P	V
		5458.48	46.17	-7.83	54	33.22	31.85	11.46	30.36	393	106	A	V
		5134	54.26	-19.74	74	41.49	32.02	11.11	30.36	-	-	P	V
		5134	45.35	-8.65	54	32.58	32.02	11.11	30.36	-	-	A	V
	*	5550	98.99	-	-	85.87	31.94	11.54	30.36	393	106	P	V
	*	5550	92.34	-	-	79.22	31.94	11.54	30.36	393	106	A	V
		5735.075	51.14	-17.06	68.2	37.7	32.09	11.77	30.42	393	106	P	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 134 5670MHz		5433.3	52.66	-21.34	74	39.78	31.8	11.44	30.36	101	176	P	H
		5461.65	52.21	-15.99	68.2	39.25	31.86	11.46	30.36	101	176	P	H
		5451.5	45.15	-8.85	54	32.21	31.85	11.45	30.36	101	176	A	H
		4888	54.01	-19.99	74	42.11	31.44	10.86	30.4	-	-	P	H
		4888	44.47	-9.53	54	32.57	31.44	10.86	30.4	-	-	A	H
	*	5670	109.64	-	-	96.4	31.97	11.68	30.41	101	176	P	H
	*	5670	102.19	-	-	88.95	31.97	11.68	30.41	101	176	A	H
		5725.275	62.28	-5.92	68.2	48.87	32.07	11.76	30.42	101	176	P	H
		5456.4	52.87	-21.13	74	39.93	31.84	11.46	30.36	100	58	P	V
		5465.5	51.83	-16.37	68.2	38.86	31.87	11.47	30.37	100	58	P	V
		5441.7	44.3	-9.7	54	31.41	31.8	11.45	30.36	100	58	A	V
		4840	53.88	-20.12	74	41.92	31.54	10.84	30.42	-	-	P	V
		4840	44.75	-9.25	54	32.79	31.54	10.84	30.42	-	-	A	V
	*	5670	100.68	-	-	87.47	31.94	11.68	30.41	100	58	P	V
	*	5670	94.07	-	-	80.86	31.94	11.68	30.41	100	58	A	V
		5728.425	55.76	-12.44	68.2	42.35	32.07	11.76	30.42	100	58	P	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 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	47.98	-26.02	74	58.61	40.13	17.44	68.2	-	-	P	H
		11411	49.23	-24.77	74	59.38	40.03	17.84	68.02	-	-	P	H
		11411	39.87	-14.13	54	50.02	40.03	17.84	68.02	-	-	A	H
		14491	50.86	-23.14	74	56.56	41.94	20.34	67.98	-	-	P	H
		14491	42.12	-11.88	54	47.82	41.94	20.34	67.98	-	-	A	H
		16530	49.59	-18.61	68.2	57.41	39.24	21.24	68.3	-	-	P	H
		17978	57.59	-16.41	74	57.39	48.25	21.93	69.98	-	-	P	H
		17978	48.61	-5.39	54	48.41	48.25	21.93	69.98	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 102		11020	47.91	-26.09	74	58.62	40.05	17.44	68.2	-	-	P	V
5510MHz		11411	49	-25	74	59.23	39.95	17.84	68.02	-	-	P	V
		11411	39.88	-14.12	54	50.11	39.95	17.84	68.02	-	-	A	V
		14490	49.76	-24.24	74	55.46	41.94	20.34	67.98	-	-	P	V
		14490	42.13	-11.87	54	47.83	41.94	20.34	67.98	-	-	A	V
		16530	48.11	-20.09	68.2	55.8	39.37	21.24	68.3	-	-	P	V
		18000	57.44	-16.56	74	56.17	49.04	21.95	69.72	-	-	P	V
		18000	49.88	-4.12	54	48.61	49.04	21.95	69.72	-	-	A	V
													V
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WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	47.82	-26.18	74	58.49	39.92	17.53	68.12	-	-	P	H
		11477	49.5	-24.5	74	59.21	40.15	17.92	67.78	-	-	P	H
		11477	39.75	-14.25	54	49.46	40.15	17.92	67.78	-	-	A	H
		14490	50.24	-23.76	74	55.94	41.94	20.34	67.98	-	-	P	H
		14490	42.18	-11.82	54	47.88	41.94	20.34	67.98	-	-	A	H
		16650	49.08	-19.12	68.2	56.8	39.7	21.3	68.72	-	-	P	H
		18000	57.56	-16.44	74	56.51	48.82	21.95	69.72	-	-	P	H
		18000	49.67	-4.33	54	48.62	48.82	21.95	69.72	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 110		11100	46.28	-27.72	74	57.03	39.84	17.53	68.12	-	-	P	V
5550MHz		11631	48.72	-25.28	74	58.4	39.83	18.07	67.58	-	-	P	V
		11631	40.31	-13.69	54	49.99	39.83	18.07	67.58	-	-	A	V
		14490	50.98	-23.02	74	56.68	41.94	20.34	67.98	-	-	P	V
		14490	42.11	-11.89	54	47.81	41.94	20.34	67.98	-	-	A	V
		16650	48.04	-20.16	68.2	55.58	39.88	21.3	68.72	-	-	P	V
		18000	58.64	-15.36	74	57.37	49.04	21.95	69.72	-	-	P	V
		18000	49.59	-4.41	54	48.32	49.04	21.95	69.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	47.64	-26.36	74	58.23	39.87	17.78	68.24	-	-	P	H
		11543	48.18	-25.82	74	57.77	40.08	17.99	67.66	-	-	P	H
		11543	39.55	-14.45	54	49.14	40.08	17.99	67.66	-	-	A	H
		14490	50.38	-23.62	74	56.08	41.94	20.34	67.98	-	-	P	H
		14490	42.13	-11.87	54	47.83	41.94	20.34	67.98	-	-	A	H
		17010	48.29	-19.91	68.2	55.18	40.44	21.46	68.79	-	-	P	H
		17989	57.73	-16.27	74	57.12	48.53	21.93	69.85	-	-	P	H
		17989	49.15	-4.85	54	48.54	48.53	21.93	69.85	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 134		11340	47.92	-26.08	74	58.57	39.81	17.78	68.24	-	-	P	V
5670MHz		12148	48.92	-25.08	74	58.11	39.28	18.57	67.04	-	-	P	V
		12148	39.78	-14.22	54	48.97	39.28	18.57	67.04	-	-	A	V
		14490	50.34	-23.66	74	56.04	41.94	20.34	67.98	-	-	P	V
		14490	42.12	-11.88	54	47.82	41.94	20.34	67.98	-	-	A	V
		17010	49.15	-19.05	68.2	55.92	40.56	21.46	68.79	-	-	P	V
		17989	58.96	-15.04	74	58.09	48.79	21.93	69.85	-	-	P	V
		17989	49.35	-4.65	54	48.48	48.79	21.93	69.85	-	-	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 VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.6	58.12	-15.88	74	45.17	31.85	11.46	30.36	100	186	P	H
		5469.28	60.57	-7.63	68.2	47.59	31.88	11.47	30.37	100	186	P	H
		5459.2	50.96	-3.04	54	38	31.86	11.46	30.36	100	186	A	H
		5116	53.55	-20.45	74	40.71	32.12	11.08	30.36	-	-	P	H
		5116	46.25	-7.75	54	33.41	32.12	11.08	30.36	-	-	A	H
	*	5530	99.73	-	-	86.67	31.91	11.52	30.37	100	186	P	H
802.11ac	*	5530	92.43	-	-	79.37	31.91	11.52	30.37	100	186	A	H
VHT80		5748.62	51.59	-16.61	68.2	38.07	32.15	11.79	30.42	100	186	P	H
CH 106		5435.68	53.55	-20.45	74	40.69	31.78	11.44	30.36	106	59	P	V
5530MHz		5468.08	53.99	-14.21	68.2	41.02	31.87	11.47	30.37	106	59	P	V
		5454.16	45.89	-8.11	54	32.96	31.83	11.46	30.36	106	59	A	V
		4798	53.73	-20.27	74	41.8	31.53	10.82	30.42	-	-	P	V
		4798	45.32	-8.68	54	33.39	31.53	10.82	30.42	-	-	A	V
	*	5530	91.95	-	-	78.85	31.95	11.52	30.37	106	59	P	V
	*	5530	84.29	-	-	71.19	31.95	11.52	30.37	106	59	A	V
		5761.22	53.33	-14.87	68.2	39.76	32.18	11.81	30.42	106	59	P	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 122 5610MHz		5453.25	56.4	-17.6	74	43.45	31.85	11.46	30.36	100	178	P	H
		5462	57.15	-11.05	68.2	44.19	31.86	11.46	30.36	100	178	P	H
		5452.9	50.56	-3.44	54	37.62	31.85	11.45	30.36	100	178	A	H
		4810	53.81	-20.19	74	41.91	31.5	10.82	30.42	-	-	P	H
		4810	45.32	-8.68	54	33.42	31.5	10.82	30.42	-	-	A	H
	*	5610	102.47	-	-	89.26	32	11.59	30.38	100	178	P	H
	*	5610	95.37	-	-	82.16	32	11.59	30.38	100	178	A	H
		5736.65	54.9	-13.3	68.2	41.44	32.11	11.77	30.42	100	178	P	H
		5431.9	51.9	-22.1	74	39.06	31.76	11.44	30.36	101	54	P	V
		5467.95	50.82	-17.38	68.2	37.85	31.87	11.47	30.37	101	54	P	V
		5458.15	46.57	-7.43	54	33.63	31.84	11.46	30.36	101	54	A	V
		5122	12.75	-61.25	74	0	32.02	11.09	30.36	-	-	P	V
		5122	46.25	-7.75	54	33.5	32.02	11.09	30.36	-	-	A	V
	*	5610	93.9	-	-	80.78	31.91	11.59	30.38	101	54	P	V
	*	5610	86.54	-	-	73.42	31.91	11.59	30.38	101	54	A	V
		5729.825	53.82	-14.38	68.2	40.41	32.07	11.76	30.42	101	54	P	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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.86	-26.14	74	58.45	40.07	17.48	68.14	-	-	P	H
		11279	48.63	-25.37	74	59.5	39.74	17.71	68.32	-	-	P	H
		11279	39.91	-14.09	54	50.78	39.74	17.71	68.32	-	-	A	H
		14490	50.79	-23.21	74	56.49	41.94	20.34	67.98	-	-	P	H
		14490	43.2	-10.8	54	48.9	41.94	20.34	67.98	-	-	A	H
		16590	47.84	-20.36	68.2	55.71	39.47	21.27	68.61	-	-	P	H
		18000	58.74	-15.26	74	57.69	48.82	21.95	69.72	-	-	P	H
		18000	51.53	-2.47	54	50.48	48.82	21.95	69.72	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 106		11060	46.76	-27.24	74	57.46	39.96	17.48	68.14	-	-	P	V
5530MHz		11356	49.58	-24.42	74	60.15	39.84	17.79	68.2	-	-	P	V
		11356	41.09	-12.91	54	51.66	39.84	17.79	68.2	-	-	A	V
		14491	49.48	-24.52	74	55.17	41.95	20.34	67.98	-	-	P	V
		14491	43.11	-10.89	54	48.8	41.95	20.34	67.98	-	-	A	V
		16590	48.75	-19.45	68.2	56.5	39.59	21.27	68.61	-	-	P	V
		18000	57.68	-16.32	74	56.41	49.04	21.95	69.72	-	-	P	V
		18000	51.68	-2.32	54	50.41	49.04	21.95	69.72	-	-	A	V
													V
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													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	46.79	-27.21	74	57.71	39.72	17.65	68.29	-	-	P	H
		12137	48.6	-25.4	74	57.83	39.28	18.57	67.08	-	-	P	H
		12137	40.5	-13.5	54	49.73	39.28	18.57	67.08	-	-	A	H
		14490	50.09	-23.91	74	55.79	41.94	20.34	67.98	-	-	P	H
		14490	43.28	-10.72	54	48.98	41.94	20.34	67.98	-	-	A	H
		16830	49.5	-18.7	68.2	56.21	40.42	21.38	68.51	-	-	P	H
		17989	57.61	-16.39	74	57	48.53	21.93	69.85	-	-	P	H
		17989	51.08	-2.92	54	50.47	48.53	21.93	69.85	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 122		11220	46.91	-27.09	74	57.9	39.65	17.65	68.29	-	-	P	V
5610MHz		11444	49.08	-24.92	74	59.04	40.05	17.88	67.89	-	-	P	V
		11444	40.49	-13.51	54	50.45	40.05	17.88	67.89	-	-	A	V
		14490	50.34	-23.66	74	56.04	41.94	20.34	67.98	-	-	P	V
		14490	43.29	-10.71	54	48.99	41.94	20.34	67.98	-	-	A	V
		16830	49.09	-19.11	68.2	55.67	40.55	21.38	68.51	-	-	P	V
		17967	57.62	-16.38	74	57.52	48.29	21.92	70.11	-	-	P	V
		17967	50.8	-3.2	54	50.7	48.29	21.92	70.11	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 144 5720MHz		5456.47	52.61	-21.39	74	39.66	31.85	11.46	30.36	114	178	P	H
		5463.49	52.59	-15.61	68.2	39.63	31.87	11.46	30.37	114	178	P	H
		5458.81	43.8	-10.2	54	30.84	31.86	11.46	30.36	114	178	A	H
		4978	54.51	-19.49	74	42.42	31.57	10.91	30.39	-	-	P	H
		4978	44.3	-9.7	54	32.21	31.57	10.91	30.39	-	-	A	H
	*	5720	119.07	-	-	105.69	32.05	11.75	30.42	114	178	P	H
	*	5720	111.44	-	-	98.06	32.05	11.75	30.42	114	178	A	H
		5949.74	55.38	-12.82	68.2	41.25	32.61	12.03	30.51	114	178	P	H
		5430.34	52.05	-21.95	74	39.21	31.76	11.44	30.36	100	57	P	V
		5468.56	52.5	-15.7	68.2	39.53	31.87	11.47	30.37	100	57	P	V
		5458.81	43.16	-10.84	54	30.21	31.85	11.46	30.36	100	57	A	V
		4834	54.92	-19.08	74	42.96	31.54	10.84	30.42	-	-	P	V
		4834	43.38	-10.62	54	31.42	31.54	10.84	30.42	-	-	A	V
	*	5720	111.43	-	-	98.06	32.04	11.75	30.42	100	57	P	V
	*	5720	103.1	-	-	89.73	32.04	11.75	30.42	100	57	A	V
		5885.26	53.85	-14.35	68.2	39.87	32.51	11.96	30.49	100	57	P	V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11015	48.94	-25.06	74	59.58	40.13	17.44	68.21	-	-	P	H
		11015	38.44	-15.56	54	49.08	40.13	17.44	68.21	-	-	A	H
		11440	47.3	-26.7	74	57.24	40.09	17.88	67.91	-	-	P	H
		14490	51.43	-22.57	74	57.13	41.94	20.34	67.98	-	-	P	H
		14490	41.81	-12.19	54	47.51	41.94	20.34	67.98	-	-	A	H
		17160	49.96	-18.24	68.2	56.67	40.47	21.54	68.72	-	-	P	H
		17978	58.05	-15.95	74	57.85	48.25	21.93	69.98	-	-	P	H
		17978	48.3	-5.7	54	48.1	48.25	21.93	69.98	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 144		11279	48.87	-25.13	74	59.81	39.67	17.71	68.32	-	-	P	V
5720MHz		11279	38.27	-15.73	54	49.21	39.67	17.71	68.32	-	-	A	V
		11440	47.88	-26.12	74	57.88	40.03	17.88	67.91	-	-	P	V
		14490	51.1	-22.9	74	56.8	41.94	20.34	67.98	-	-	P	V
		14490	41.84	-12.16	54	47.54	41.94	20.34	67.98	-	-	A	V
		17160	51.73	-16.47	68.2	58.27	40.64	21.54	68.72	-	-	P	V
		18000	59.67	-14.33	74	58.4	49.04	21.95	69.72	-	-	P	V
		18000	49.25	-4.75	54	47.98	49.04	21.95	69.72	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5456.08	52.64	-21.36	74	39.69	31.85	11.46	30.36	101	183	P	H
		5461.15	51.47	-16.73	68.2	38.51	31.86	11.46	30.36	101	183	P	H
		5450.23	44.43	-9.57	54	31.5	31.84	11.45	30.36	101	183	A	H
		5092	53.57	-20.43	74	40.77	32.12	11.05	30.37	-	-	P	H
		5092	45.52	-8.48	54	32.72	32.12	11.05	30.37	-	-	A	H
	*	5710	111.97	-	-	98.65	32.01	11.73	30.42	101	183	P	H
	*	5710	105.57	-	-	92.25	32.01	11.73	30.42	101	183	A	H
		5876.42	53.31	-14.89	68.2	39.38	32.47	11.95	30.49	101	183	P	H
		5448.28	51.9	-22.1	74	38.99	31.82	11.45	30.36	100	58	P	V
		5469.34	51.8	-16.4	68.2	38.82	31.88	11.47	30.37	100	58	P	V
		5456.86	44.31	-9.69	54	31.37	31.84	11.46	30.36	100	58	A	V
		4858	52.81	-21.19	74	40.89	31.49	10.85	30.42	-	-	P	V
		4858	44.84	-9.16	54	32.92	31.49	10.85	30.42	-	-	A	V
	*	5710	104.23	-	-	90.91	32.01	11.73	30.42	100	58	P	V
	*	5710	97.21	-	-	83.89	32.01	11.73	30.42	100	58	A	V
		5893.58	52.75	-15.45	68.2	38.76	32.52	11.97	30.5	100	58	P	V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	47.96	-26.04	74	58.04	40.05	17.85	67.98	-	-	P	H
		11763	50.72	-23.28	74	61.09	39.31	18.21	67.89	-	-	P	H
		11763	39.51	-14.49	54	49.88	39.31	18.21	67.89	-	-	A	H
		14490	52.44	-21.56	74	58.14	41.94	20.34	67.98	-	-	P	H
		14490	42.15	-11.85	54	47.85	41.94	20.34	67.98	-	-	A	H
		17130	51.07	-17.13	68.2	57.85	40.43	21.52	68.73	-	-	P	H
		18000	59.92	-14.08	74	58.87	48.82	21.95	69.72	-	-	P	H
		18000	49.47	-4.53	54	48.42	48.82	21.95	69.72	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 142		11420	47.98	-26.02	74	58.13	39.98	17.85	67.98	-	-	P	V
5710MHz		12049	48.55	-25.45	74	58.36	39.21	18.49	67.51	-	-	P	V
		12049	40.17	-13.83	54	49.98	39.21	18.49	67.51	-	-	A	V
		14491	52.19	-21.81	74	57.88	41.95	20.34	67.98	-	-	P	V
		14491	42.09	-11.91	54	47.78	41.95	20.34	67.98	-	-	A	V
		17130	50.22	-17.98	68.2	56.85	40.58	21.52	68.73	-	-	P	V
		18000	59.06	-14.94	74	57.79	49.04	21.95	69.72	-	-	P	V
		18000	49.84	-4.16	54	48.57	49.04	21.95	69.72	-	-	A	V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5458.81	53.39	-20.61	74	40.43	31.86	11.46	30.36	100	181	P	H
		5467	53.36	-14.84	68.2	40.39	31.87	11.47	30.37	100	181	P	H
		5448.28	48	-6	54	35.07	31.84	11.45	30.36	100	181	A	H
		5128	53.25	-20.75	74	40.42	32.09	11.1	30.36	-	-	P	H
		5128	46.26	-7.74	54	33.43	32.09	11.1	30.36	-	-	A	H
	*	5690	102.12	-	-	88.86	31.97	11.71	30.42	100	181	P	H
	*	5690	95.86	-	-	82.6	31.97	11.71	30.42	100	181	A	H
		5851.2	55.48	-12.72	68.2	41.56	32.47	11.92	30.47	100	181	P	H
		5459.98	53.02	-20.98	74	40.07	31.85	11.46	30.36	101	58	P	V
		5468.95	52.64	-15.56	68.2	39.67	31.87	11.47	30.37	101	58	P	V
		5424.49	45.6	-8.4	54	32.78	31.74	11.43	30.35	101	58	A	V
		4876	52.99	-21.01	74	41.14	31.4	10.86	30.41	-	-	P	V
		4876	45.44	-8.56	54	33.59	31.4	10.86	30.41	-	-	A	V
	*	5690	94.7	-	-	81.44	31.97	11.71	30.42	101	58	P	V
	*	5690	87.34	-	-	74.08	31.97	11.71	30.42	101	58	A	V
		5882.14	52.52	-15.68	68.2	38.55	32.51	11.95	30.49	101	58	P	V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10927	48.72	-25.28	74	59.67	40.18	17.35	68.48	-	-	P	H
		10927	40.02	-13.98	54	50.97	40.18	17.35	68.48	-	-	A	H
		11380	47.88	-26.12	74	58.23	39.96	17.81	68.12	-	-	P	H
		14490	50.6	-23.4	74	56.3	41.94	20.34	67.98	-	-	P	H
		14490	43.15	-10.85	54	48.85	41.94	20.34	67.98	-	-	A	H
		17070	49.47	-18.73	68.2	56.33	40.4	21.49	68.75	-	-	P	H
		17989	57.61	-16.39	74	57	48.53	21.93	69.85	-	-	P	H
		17989	51.11	-2.89	54	50.5	48.53	21.93	69.85	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 138		11380	46.88	-27.12	74	57.31	39.88	17.81	68.12	-	-	P	V
5690MHz		11961	47.81	-26.19	74	58.21	39.13	18.41	67.94	-	-	P	V
		11961	40.19	-13.81	54	50.59	39.13	18.41	67.94	-	-	A	V
		14491	49.74	-24.26	74	55.43	41.95	20.34	67.98	-	-	P	V
		14491	43.07	-10.93	54	48.76	41.95	20.34	67.98	-	-	A	V
		17070	49.88	-18.32	68.2	56.62	40.52	21.49	68.75	-	-	P	V
		17989	57.96	-16.04	74	57.09	48.79	21.93	69.85	-	-	P	V
		17989	51.42	-2.58	54	50.55	48.79	21.93	69.85	-	-	A	V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

WIFI	Note	Frequency	Level	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. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Margin(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

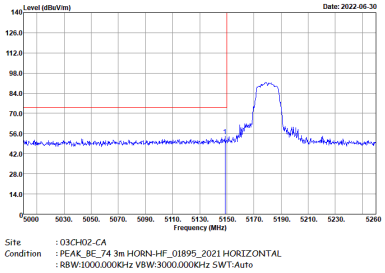
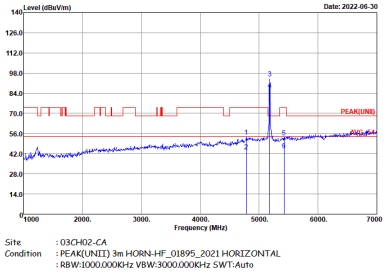
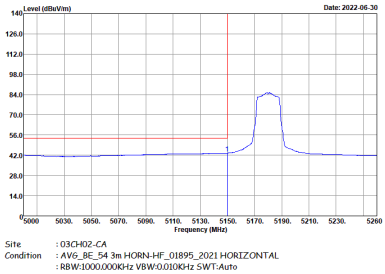
Test Engineer :	Fu Chen	**Temperature :**	20-25°C
		Relative Humidity :	42-50%

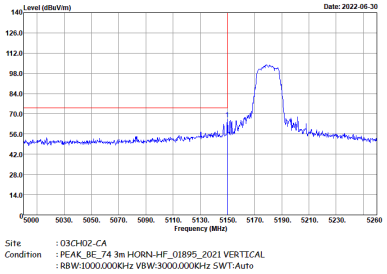
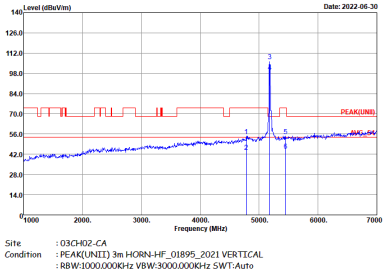
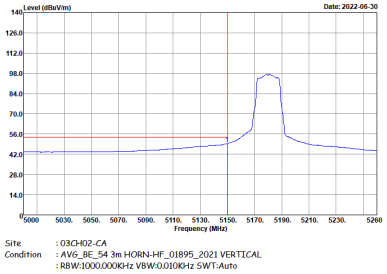
Note symbol

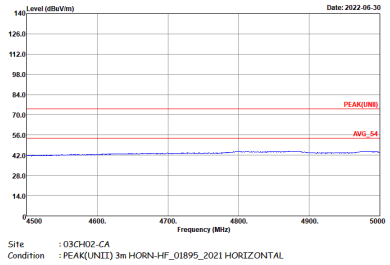
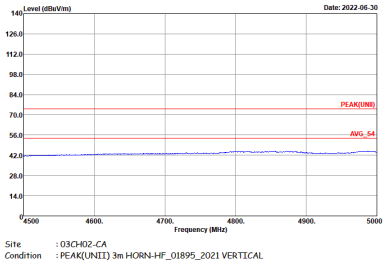
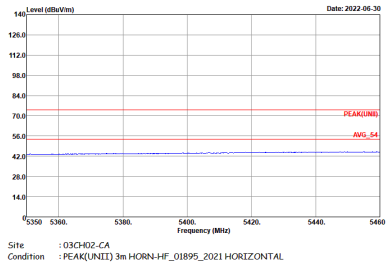
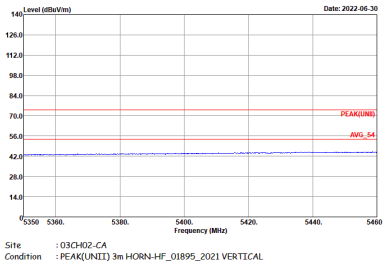
-L	**Low channel location**
-R	**High channel location**

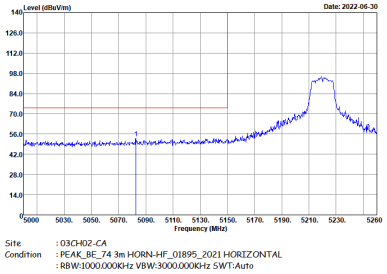
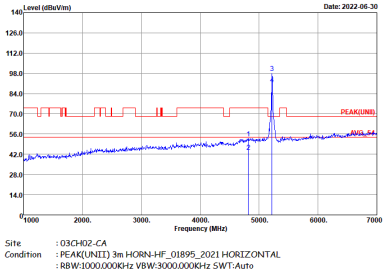
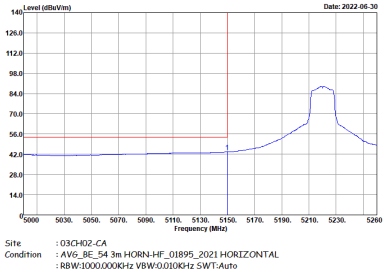
Band 1 - 5150~5250MHz

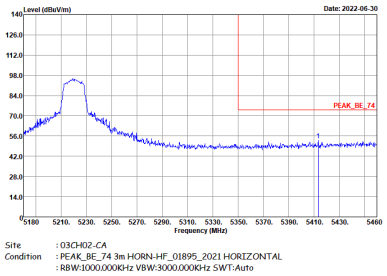
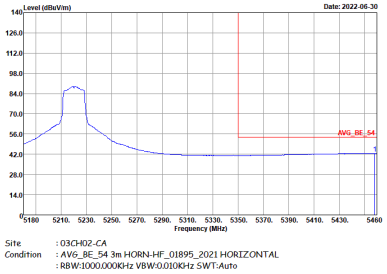
WIFI 802.11a (Band Edge @ 3m)

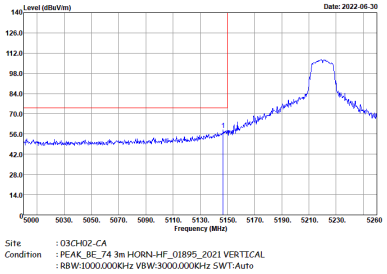
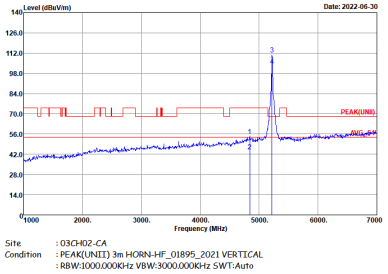
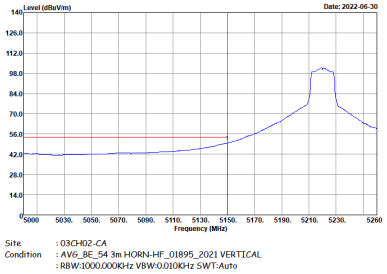
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

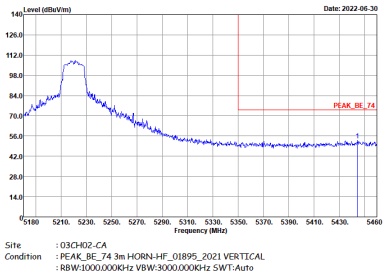
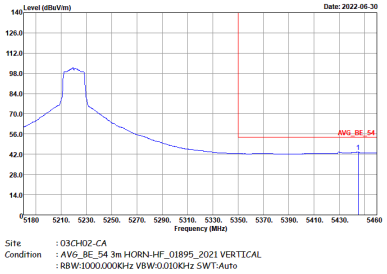
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

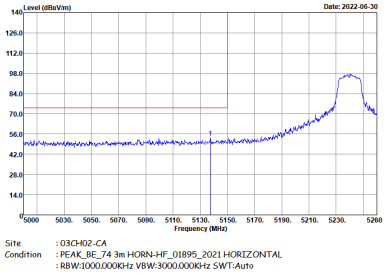
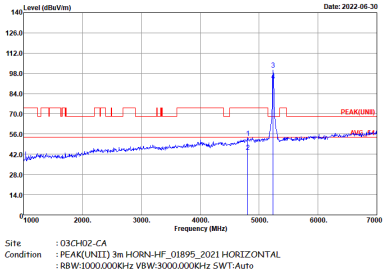
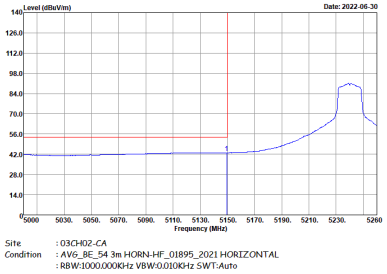
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Avg		
Avg.		

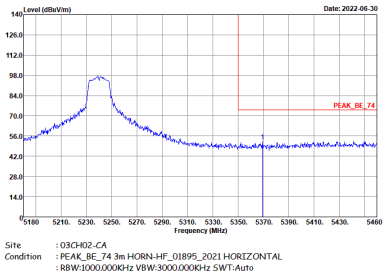
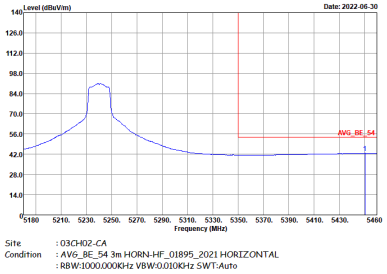
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

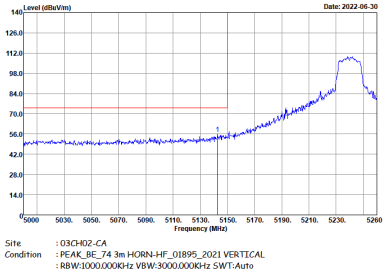
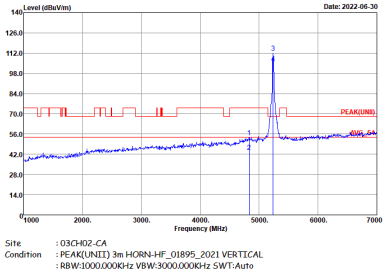
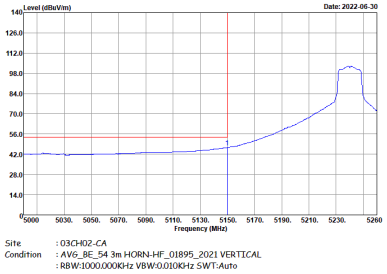
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

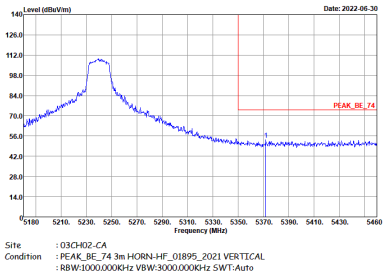
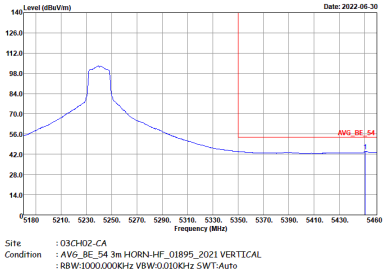
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

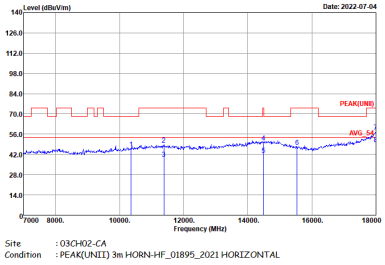
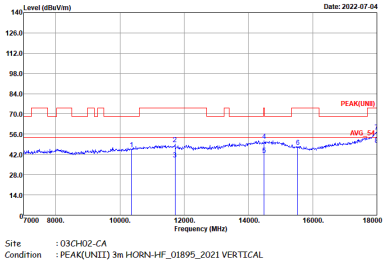
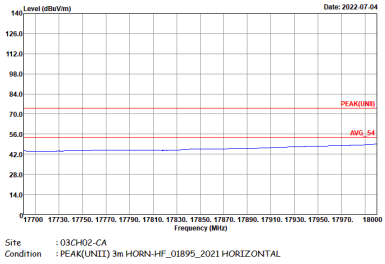
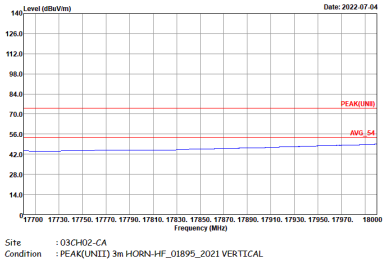
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

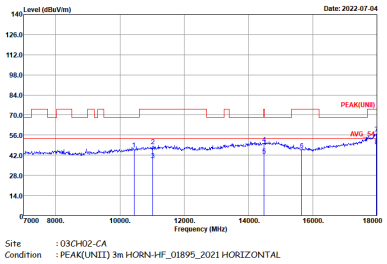
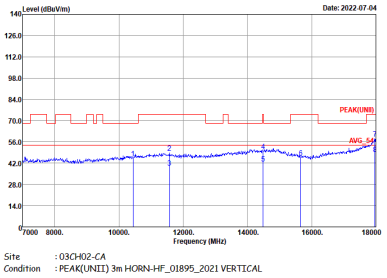
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

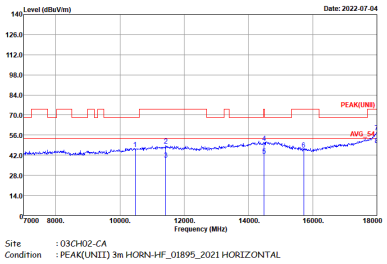
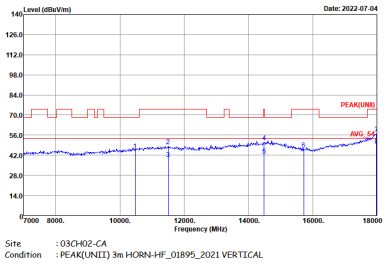
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

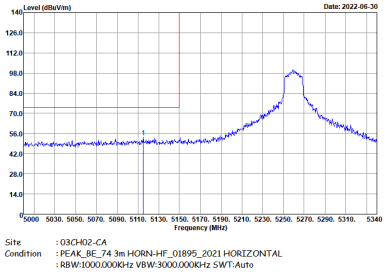
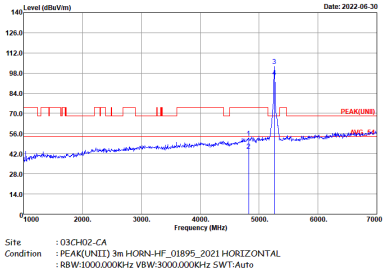
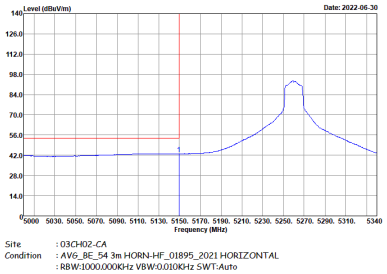
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak		
Avg.		

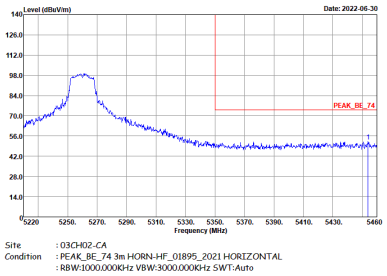
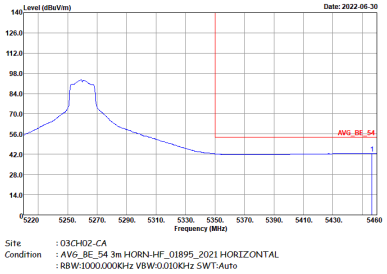
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

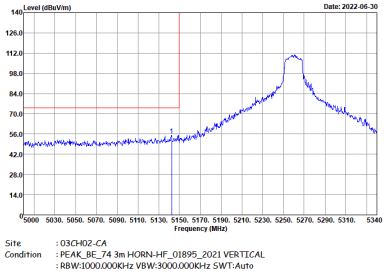
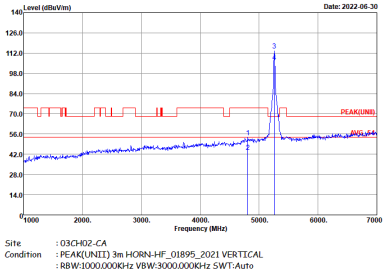
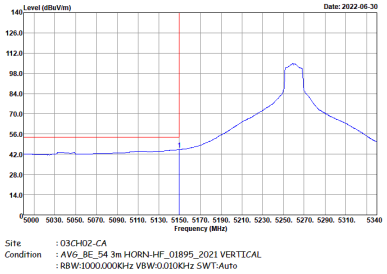
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

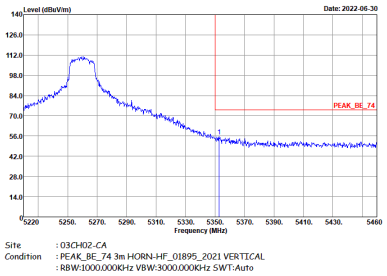
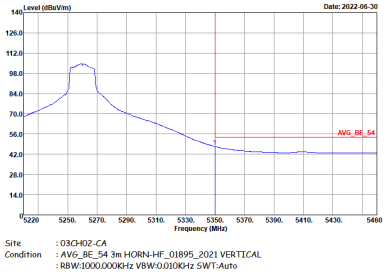
Band 2 - 5250~5350MHz

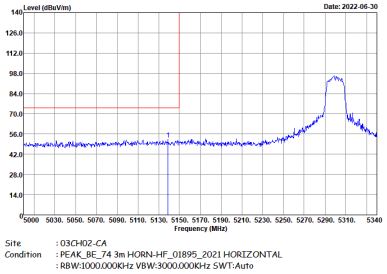
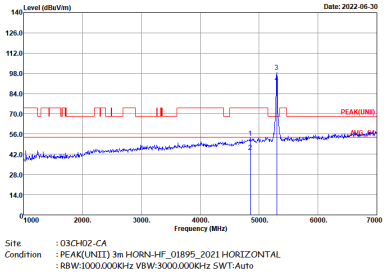
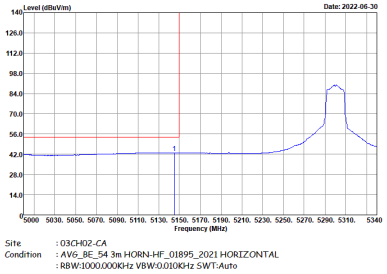
WIFI 802.11a (Band Edge @ 3m)

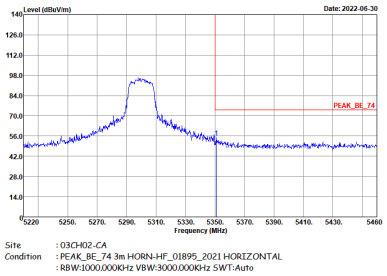
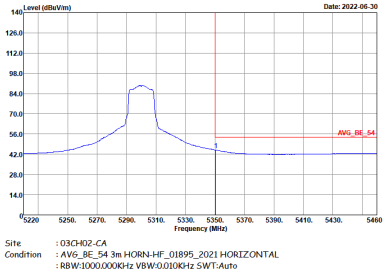
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

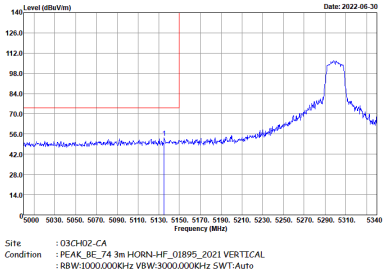
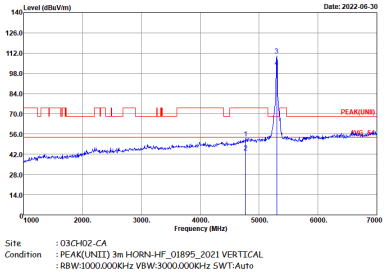
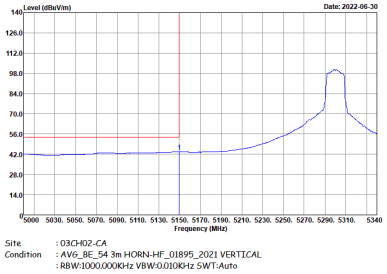
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

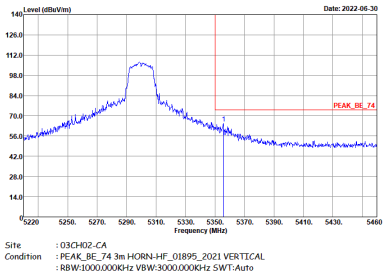
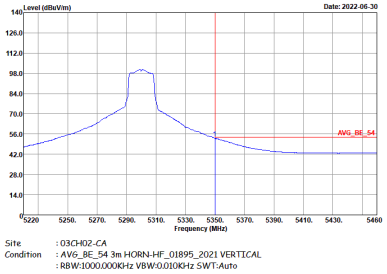
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

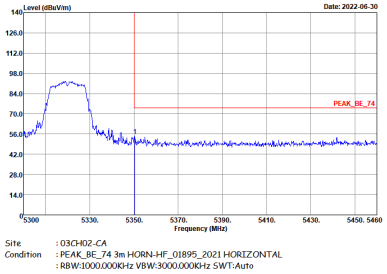
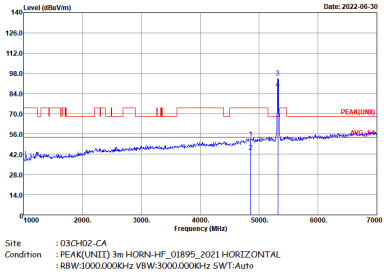
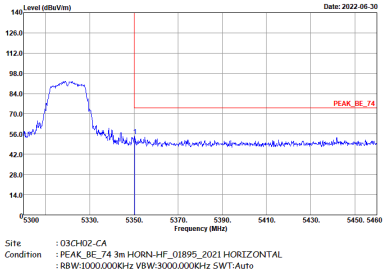
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

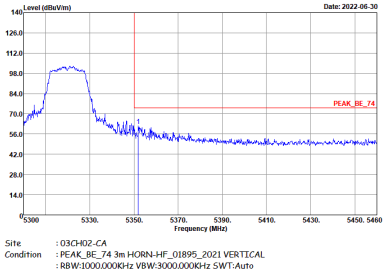
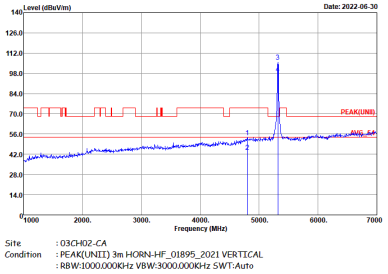
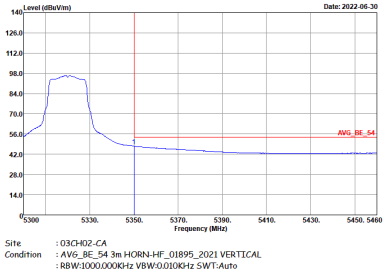
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

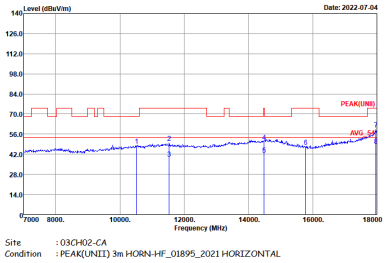
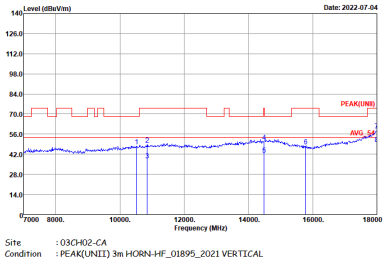
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

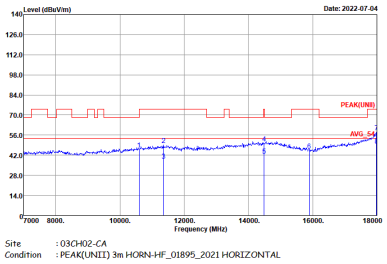
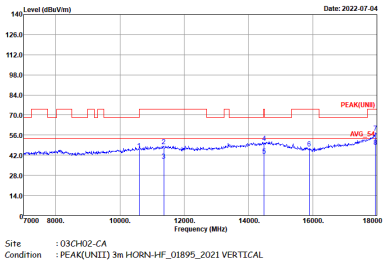
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

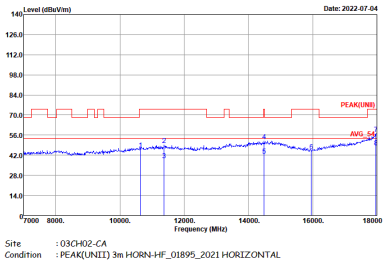
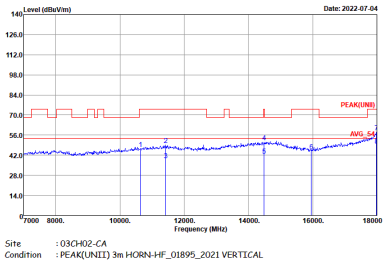
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

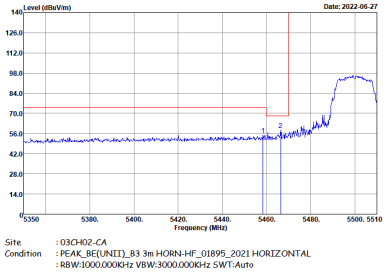
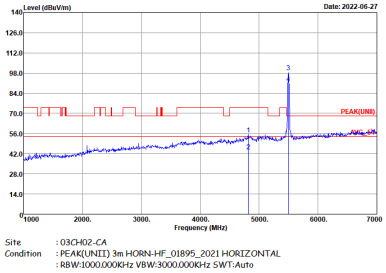
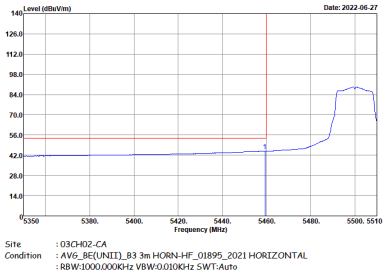
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

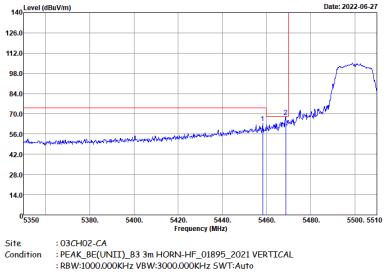
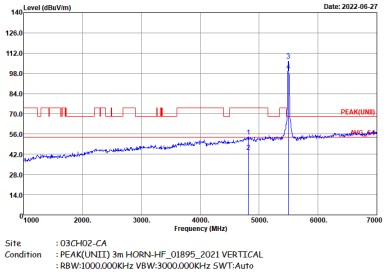
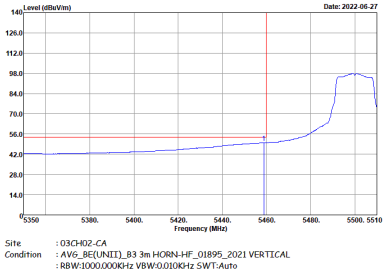
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

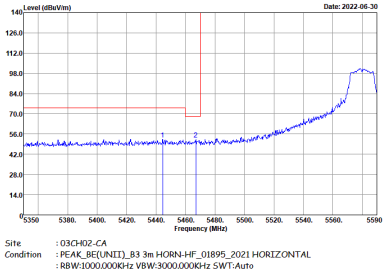
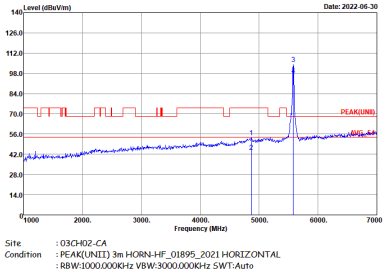
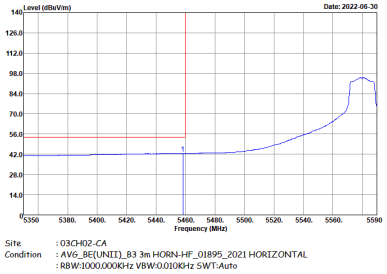
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

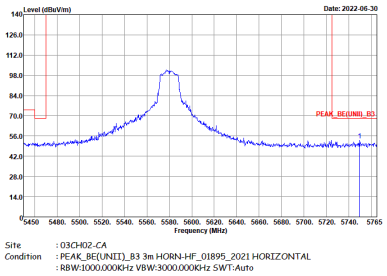
Band 3 - 5470~5725MHz

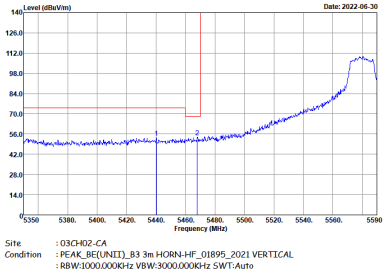
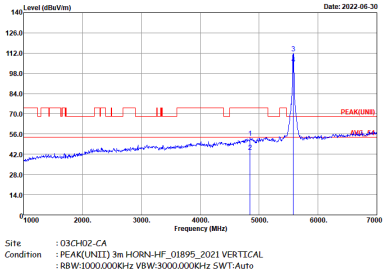
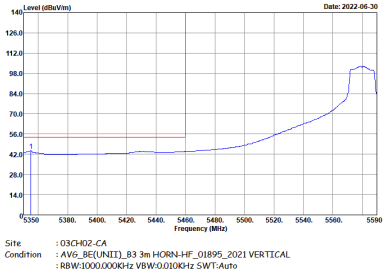
WIFI 802.11a (Band Edge @ 3m)

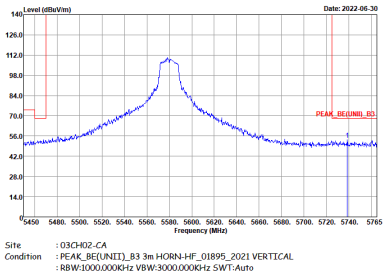
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

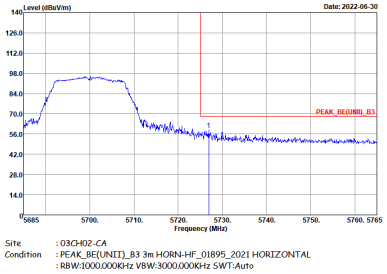
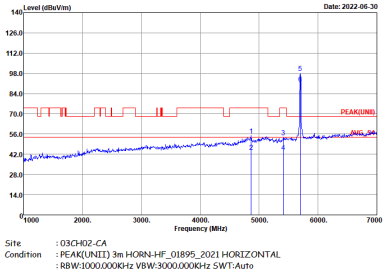
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

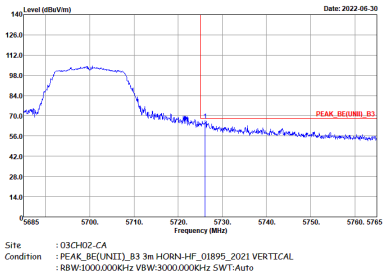
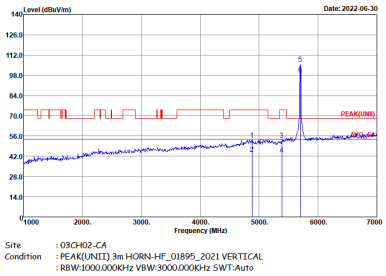
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

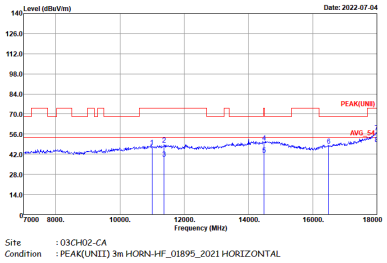
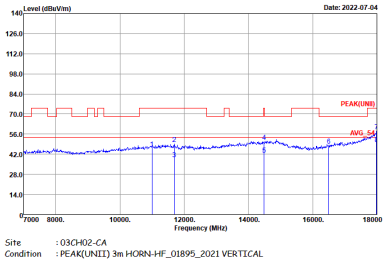
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

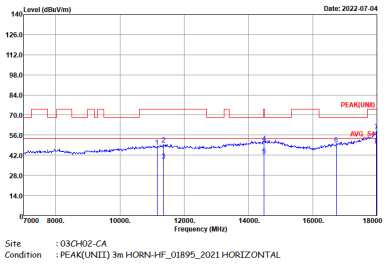
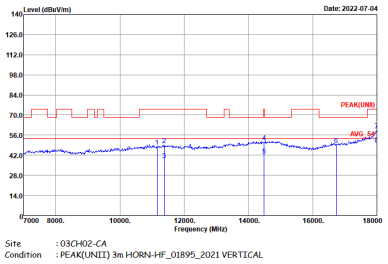
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

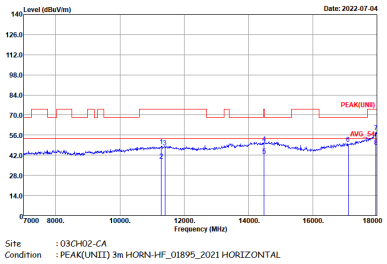
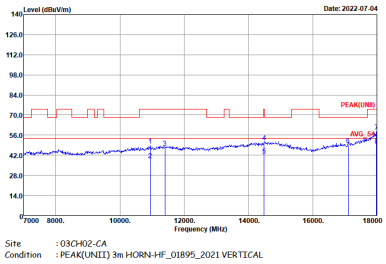
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

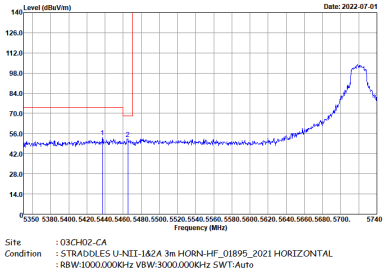
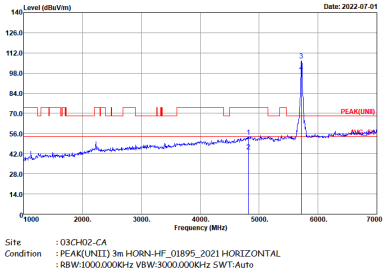
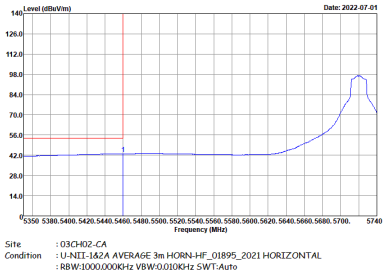
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

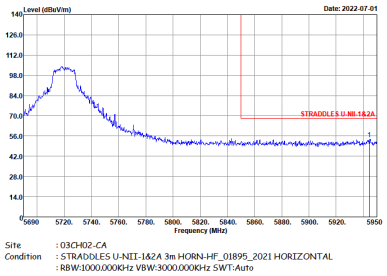
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.		

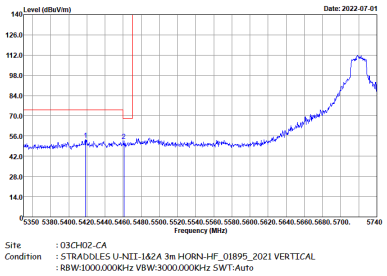
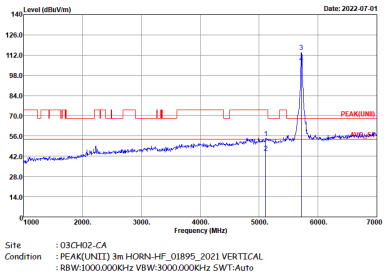
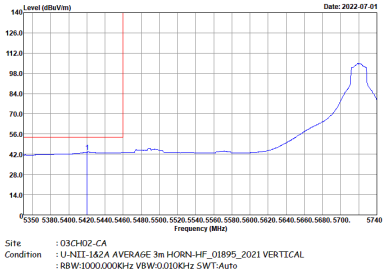
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.		

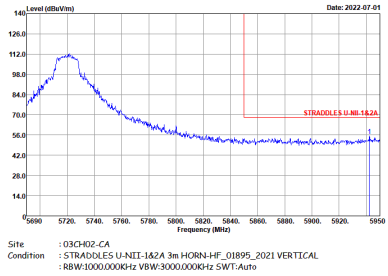
Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

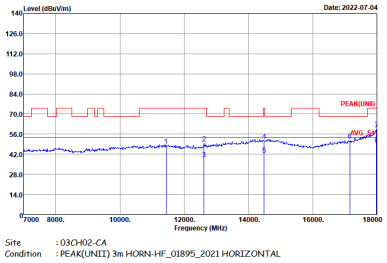
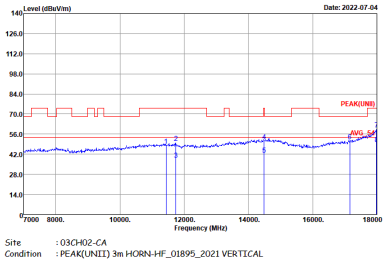
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
1	Vertical	Fundamental
Peak		Left blank

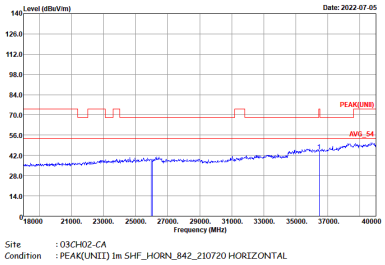
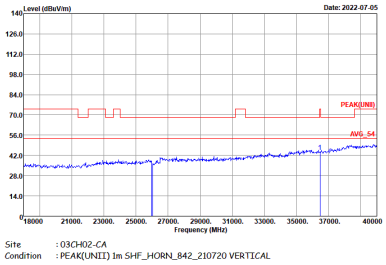
Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.		

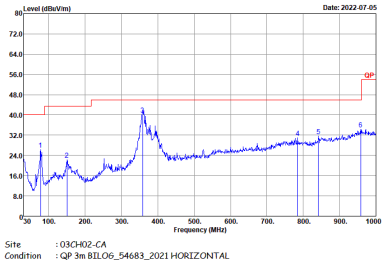
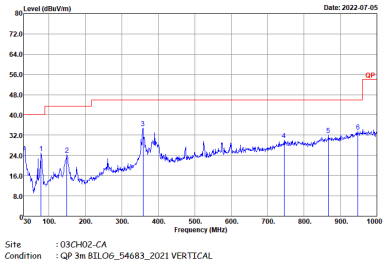
Emission above 18GHz

5GHz WIFI 802.11a (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11a SHF	
1	Horizontal	Vertical
Peak Avg.		

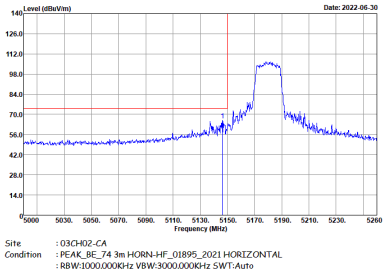
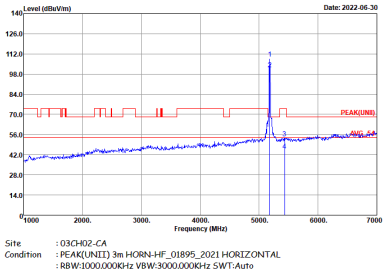
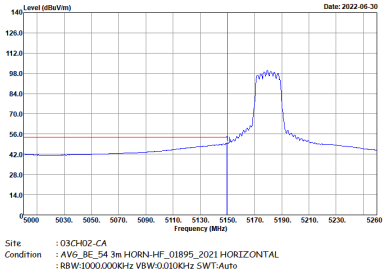
Emission below 1GHz

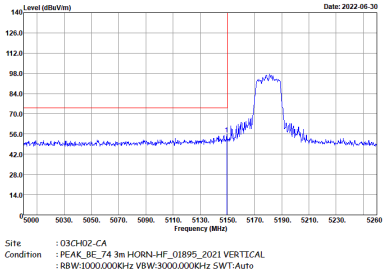
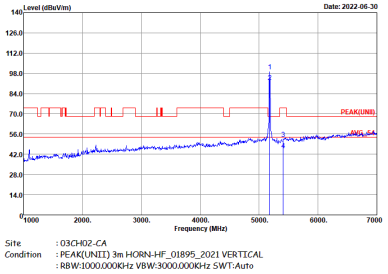
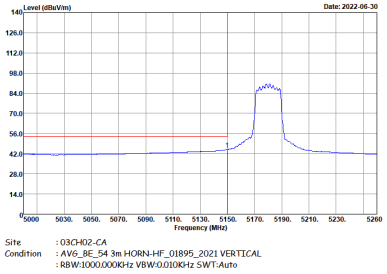
5GHz WIFI 802.11a (LF)

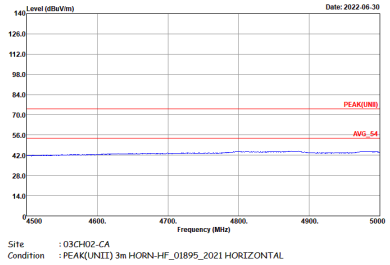
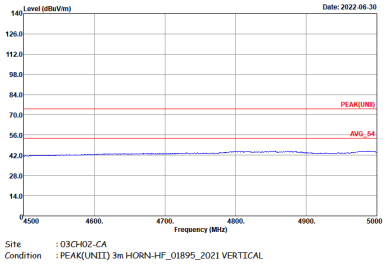
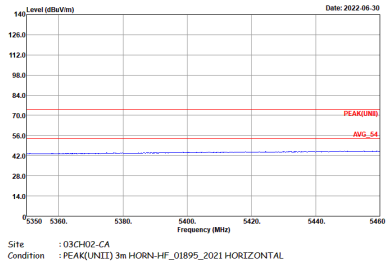
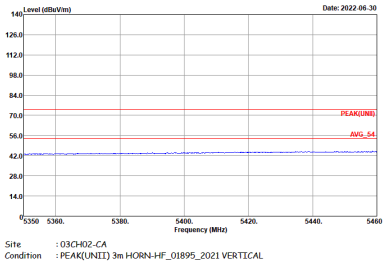
WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak		

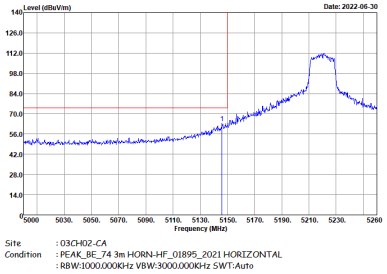
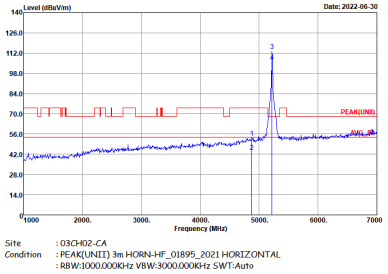
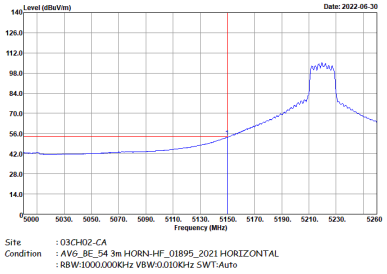
Band 1 - 5150~5250MHz

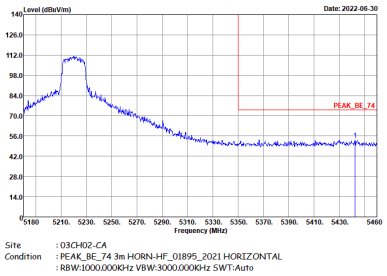
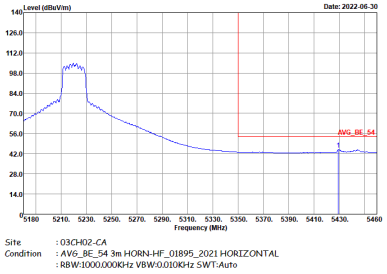
WIFI 802.11n HT20 (Band Edge @ 3m)

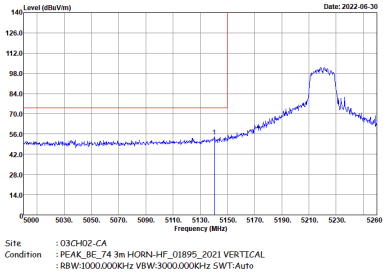
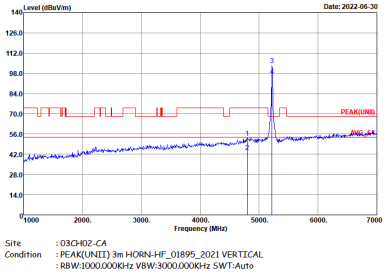
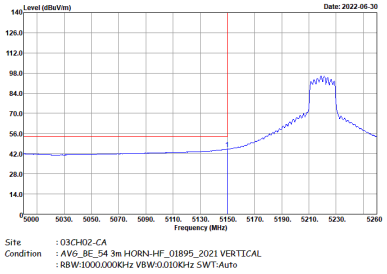
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

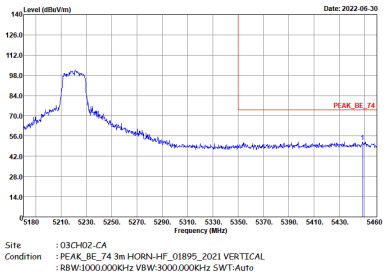
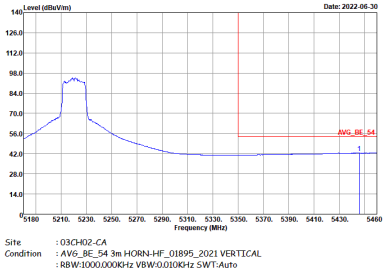
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

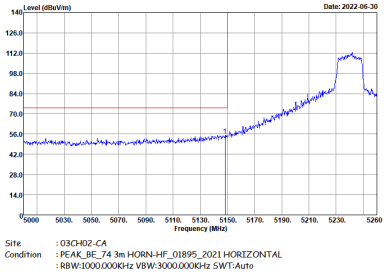
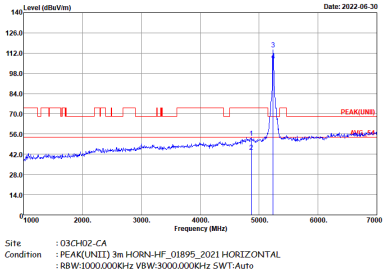
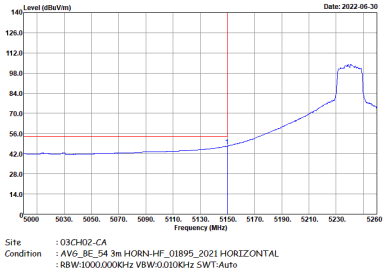
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Avg.		
Avg.		

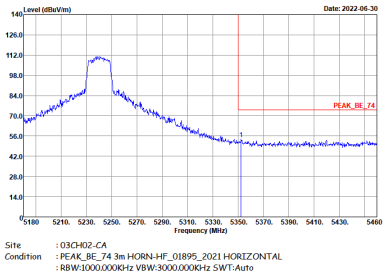
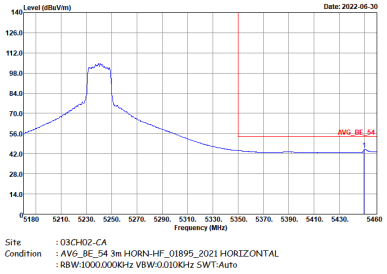
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

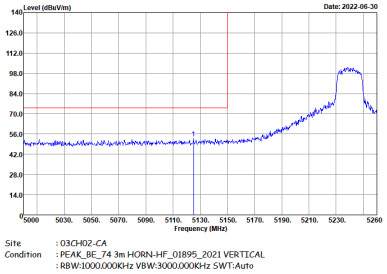
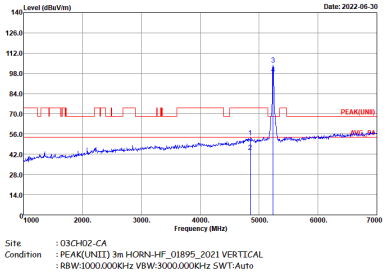
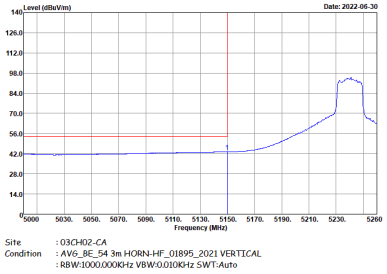
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

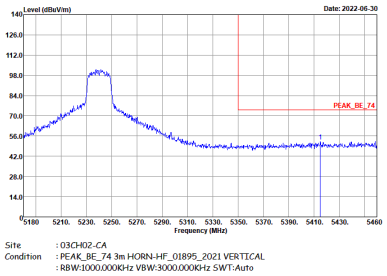
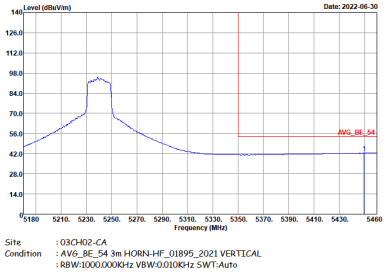
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

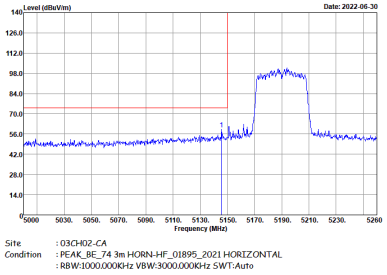
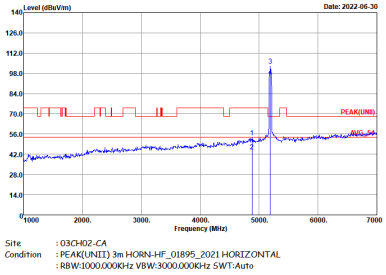
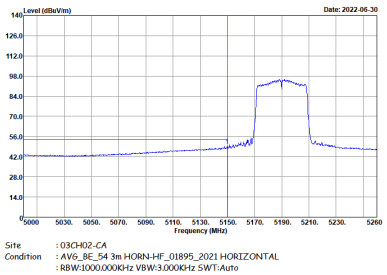
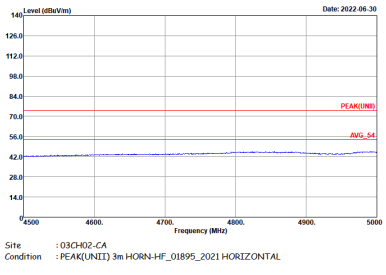
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

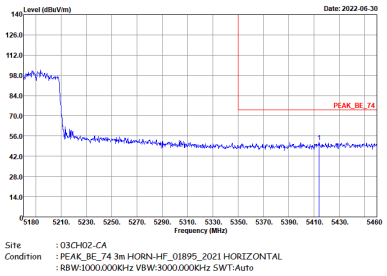
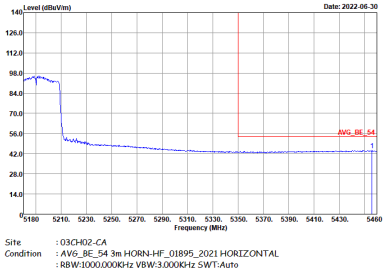
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

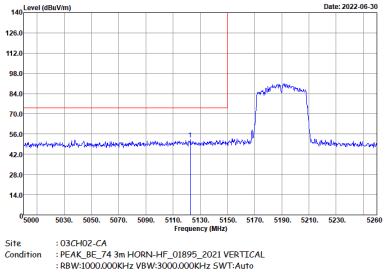
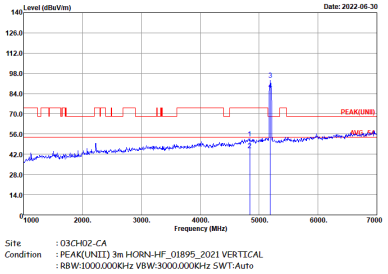
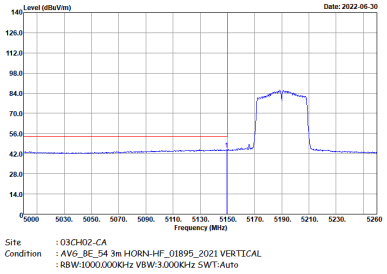
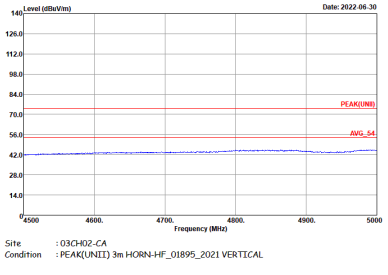
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

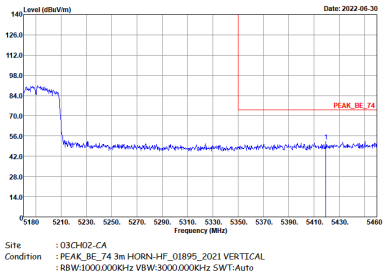
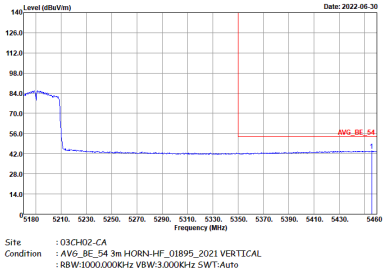
Band 1 5150~5250MHz

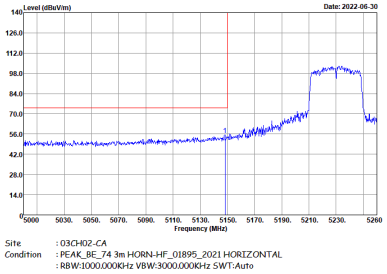
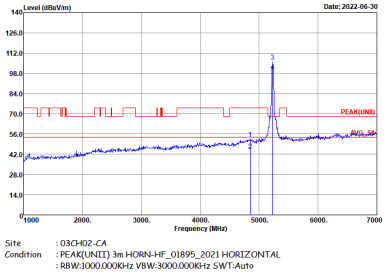
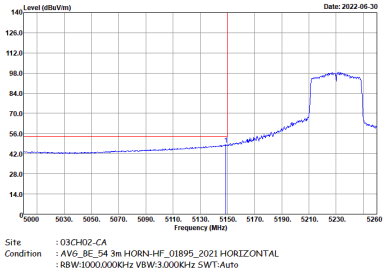
WIFI 802.11n HT40 (Band Edge @ 3m)

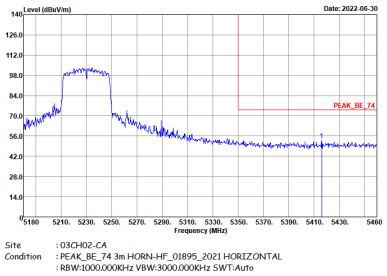
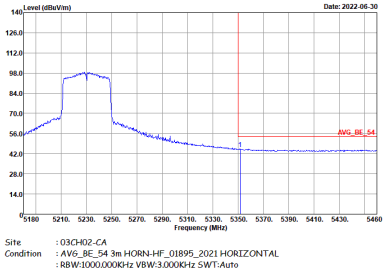
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL

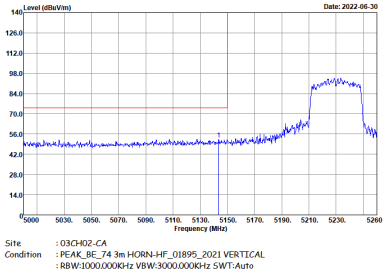
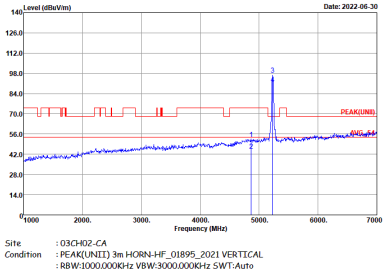
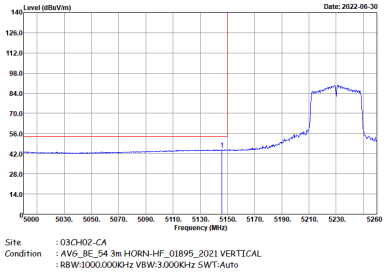
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

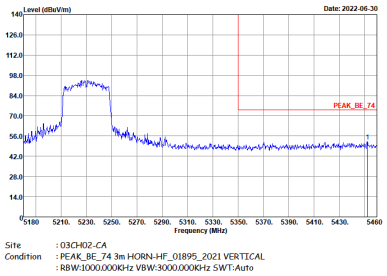
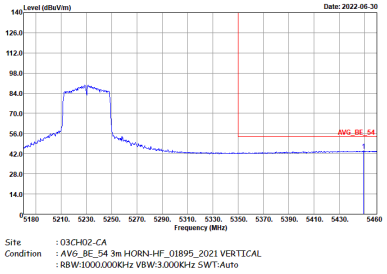
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

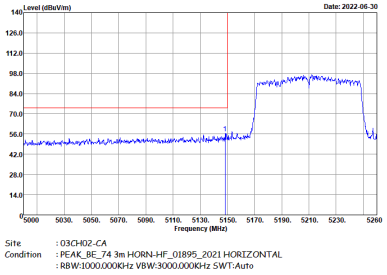
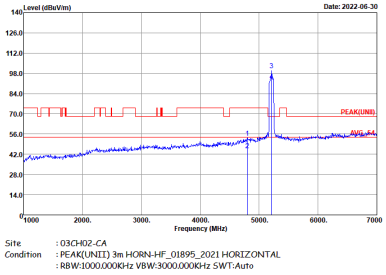
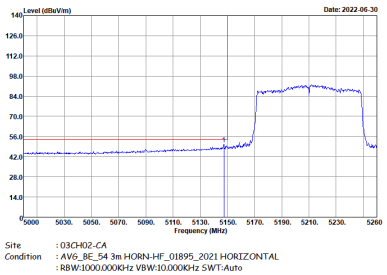
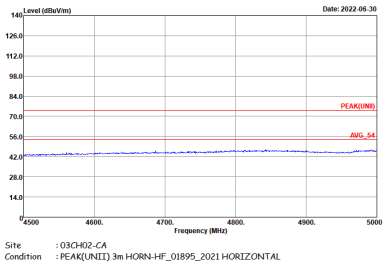
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

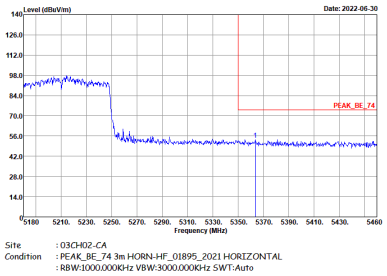
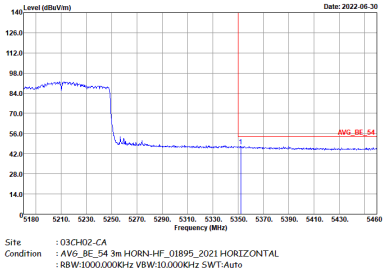
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

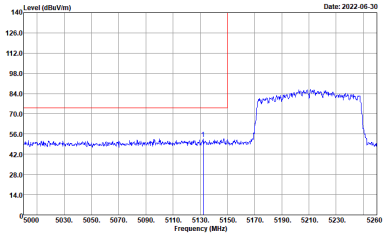
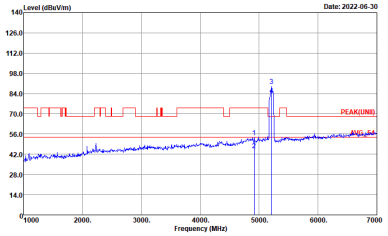
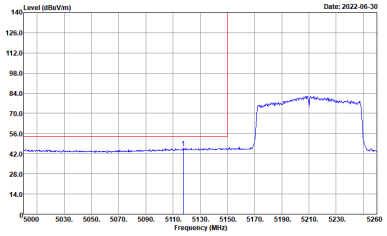
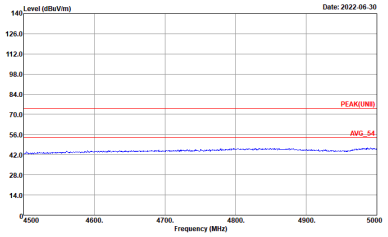
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

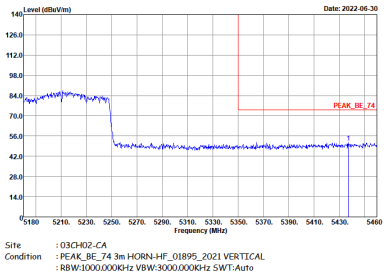
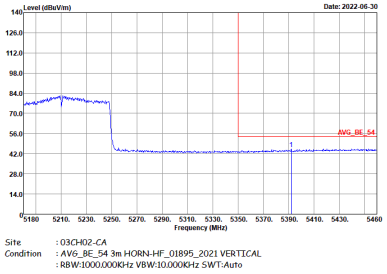
Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL

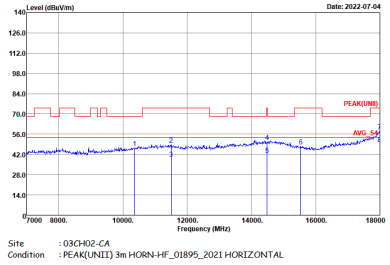
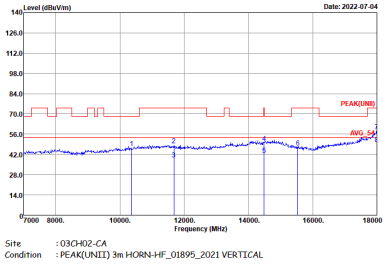
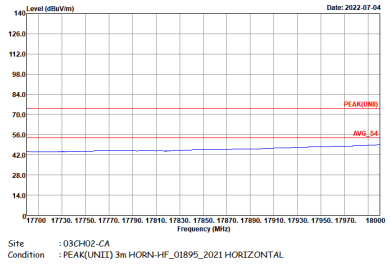
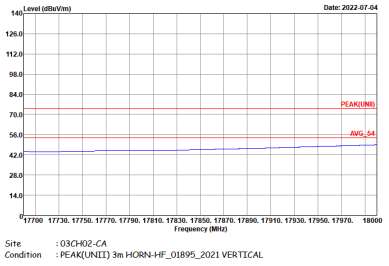
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

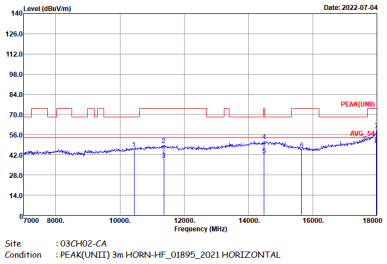
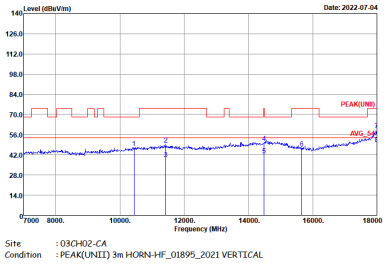
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

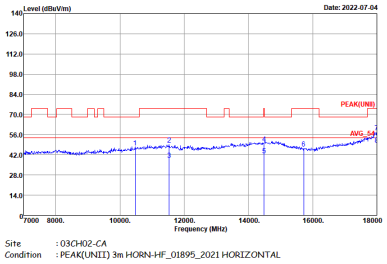
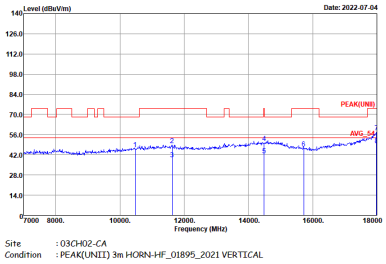
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

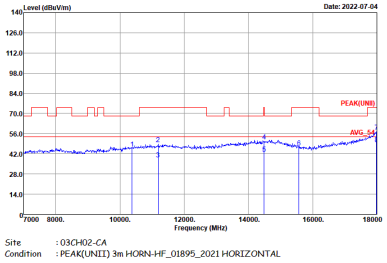
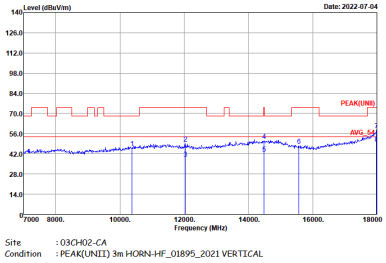
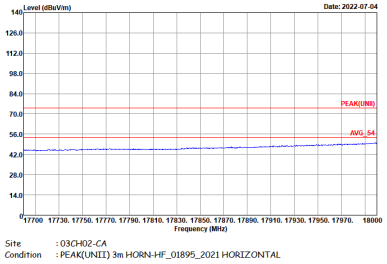
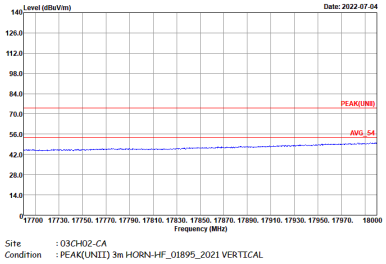
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak		
Avg		

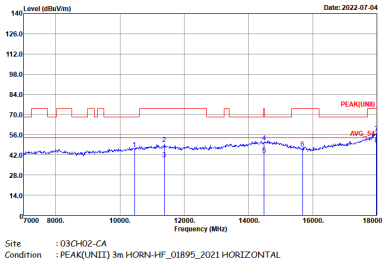
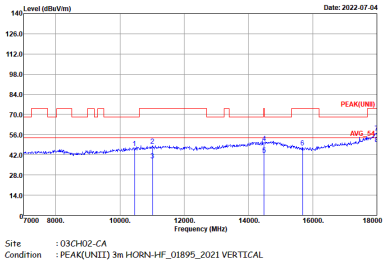
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

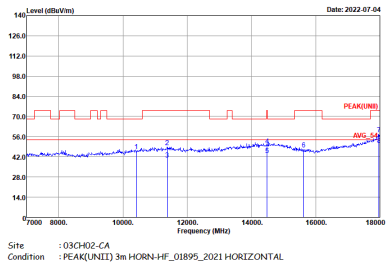
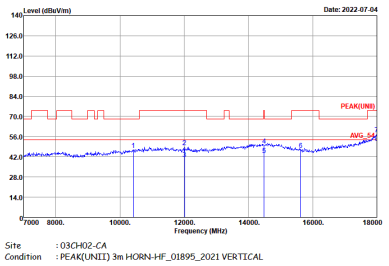
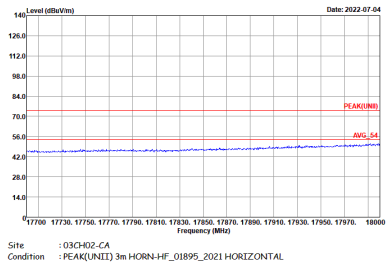
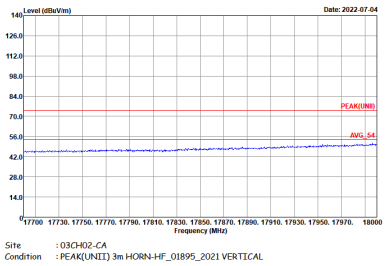
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.		
Avg		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.		

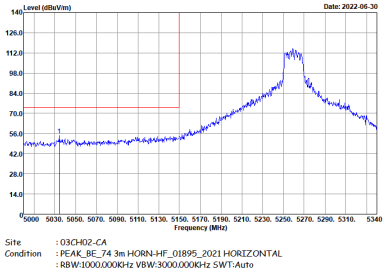
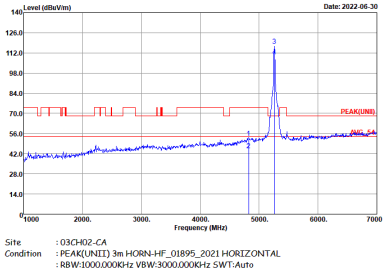
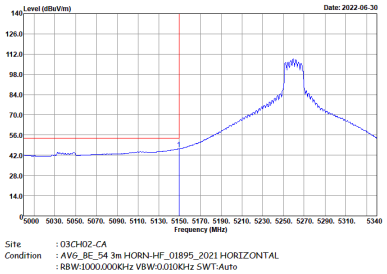
Band 1 5150~5250MHz

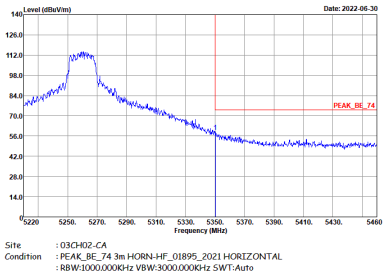
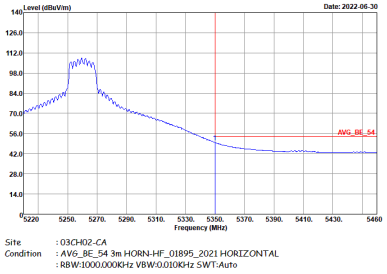
WIFI 802.11ac VHT80 (Harmonic @ 3m)

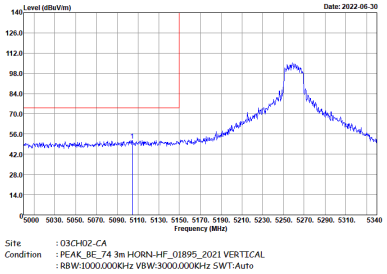
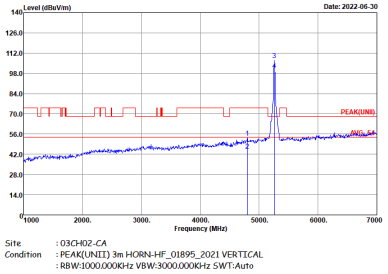
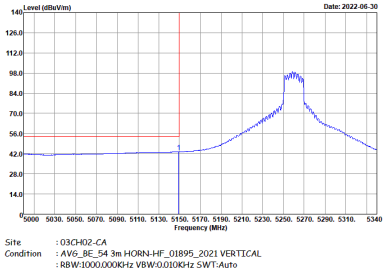
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		
Avg		

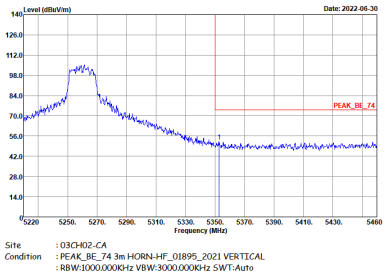
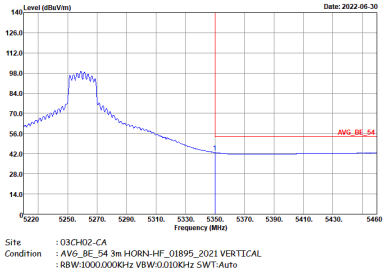
Band 2 - 5250~5350MHz

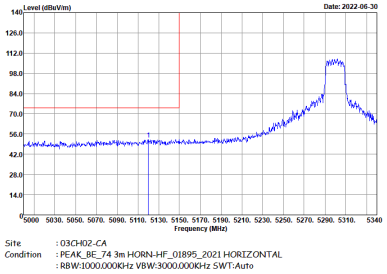
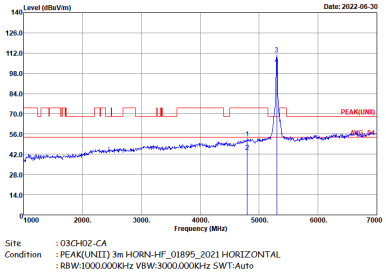
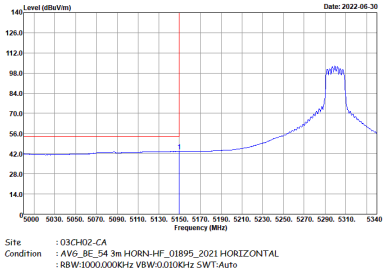
WIFI 802.11n HT20 (Band Edge @ 3m)

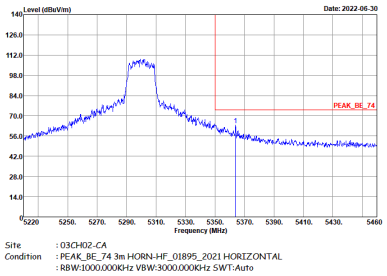
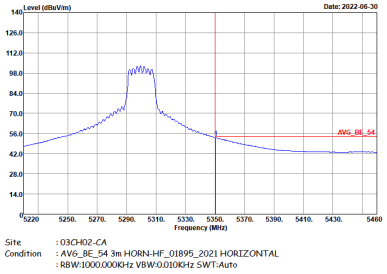
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

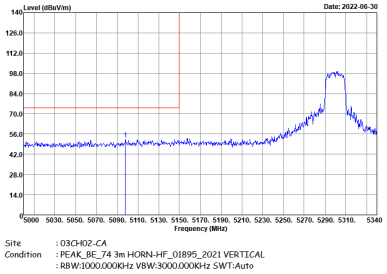
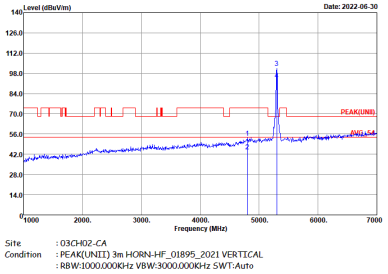
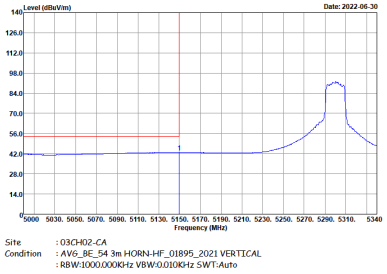
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

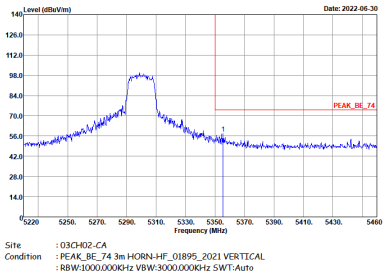
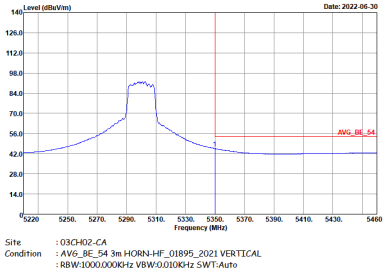
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

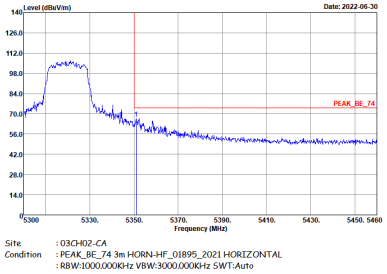
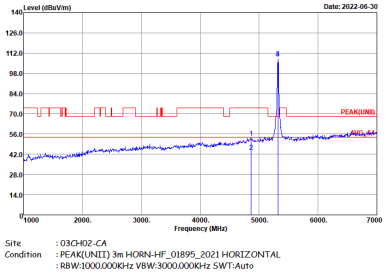
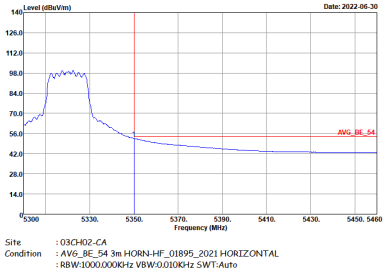
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

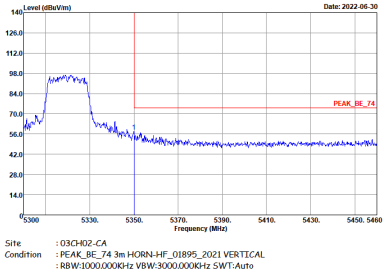
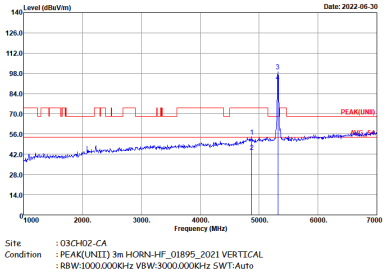
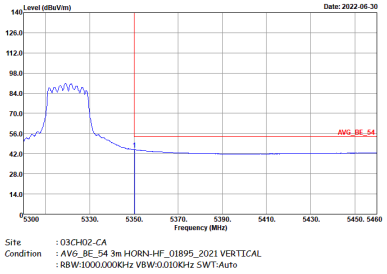
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Horizontal	Vertical
Peak		Left blank
Avg.		Left blank

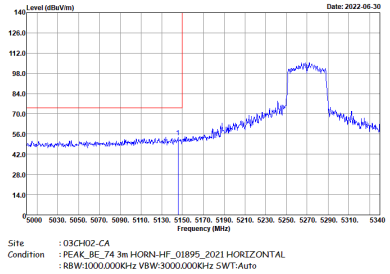
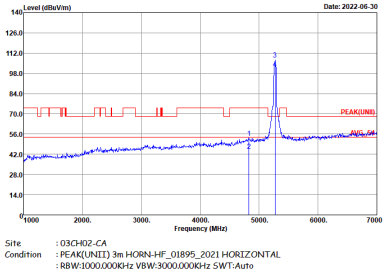
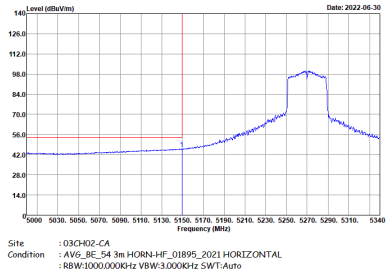
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

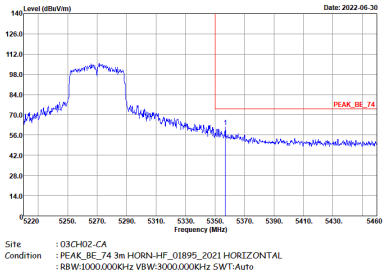
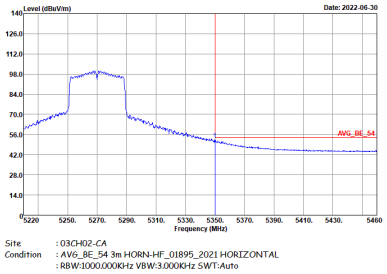
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

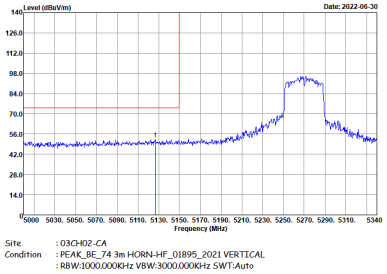
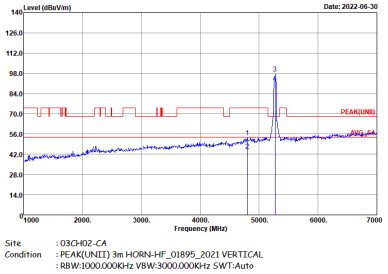
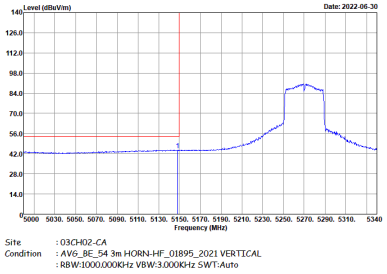
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AV6_BE_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

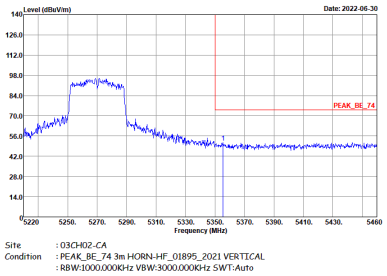
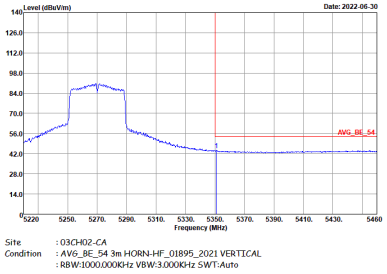
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

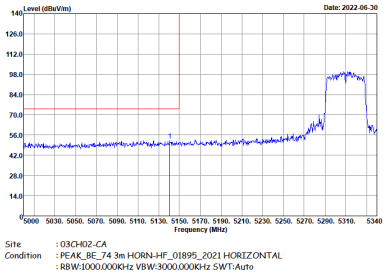
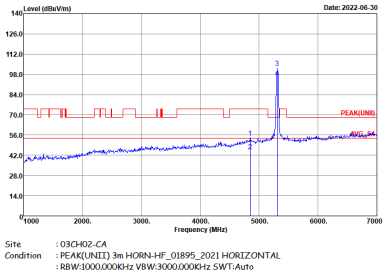
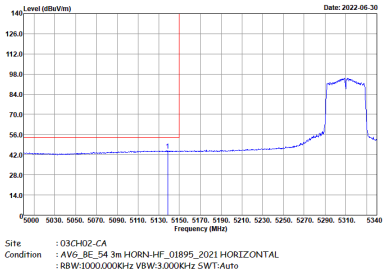
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

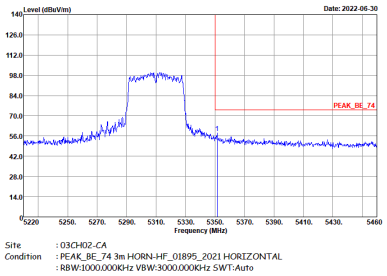
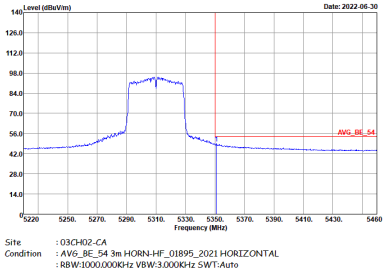
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

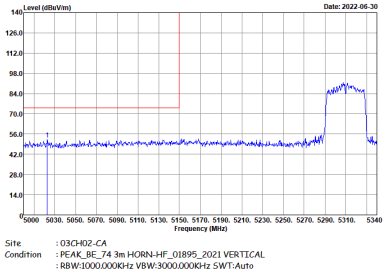
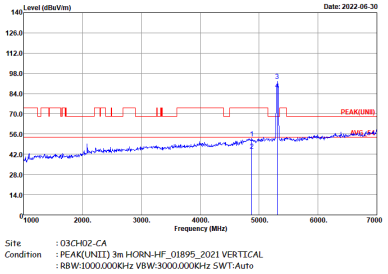
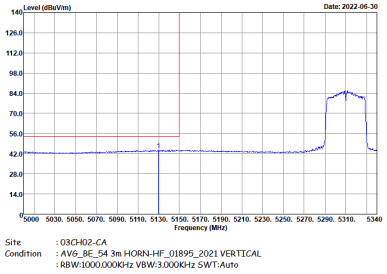
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

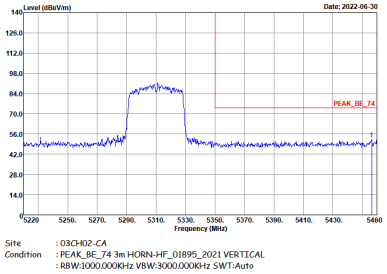
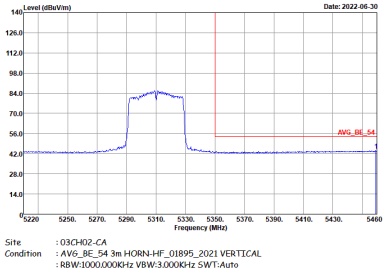
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1+2	Vertical	Vertical
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1+2	Vertical	Vertical
Peak		Left blank
Avg.		Left blank

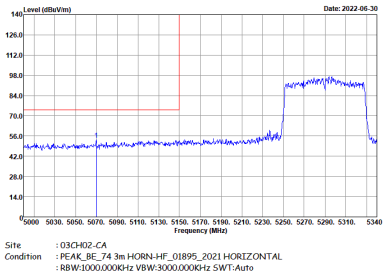
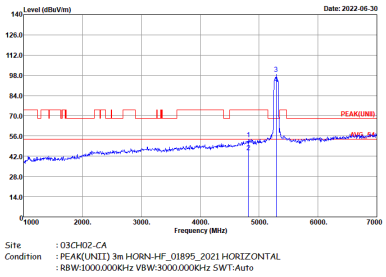
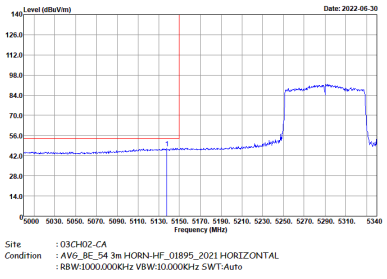
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

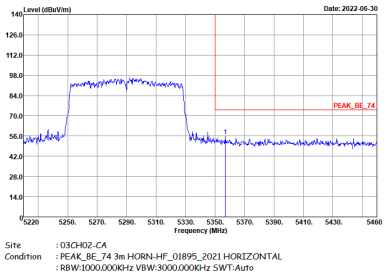
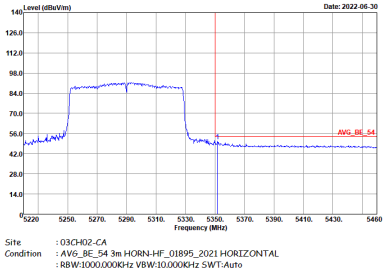
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

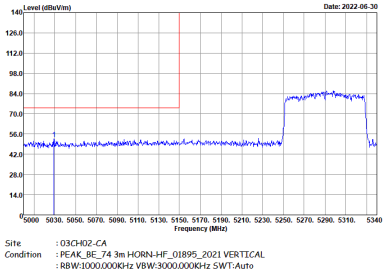
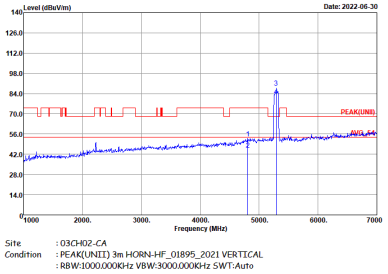
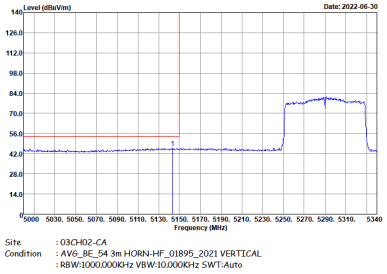
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

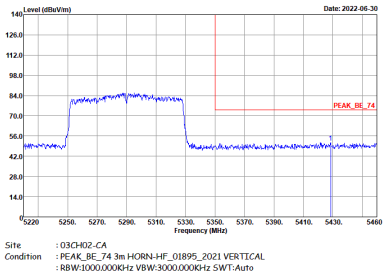
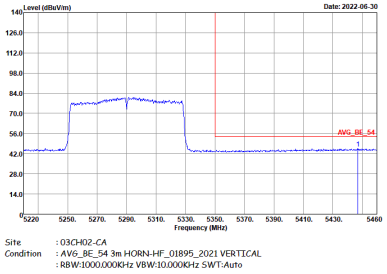
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

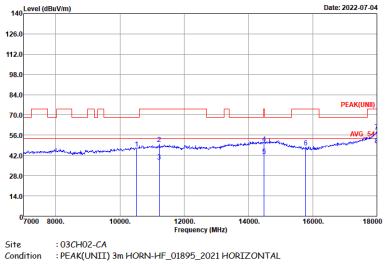
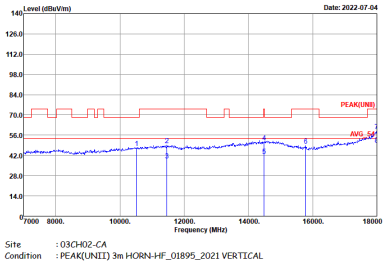
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

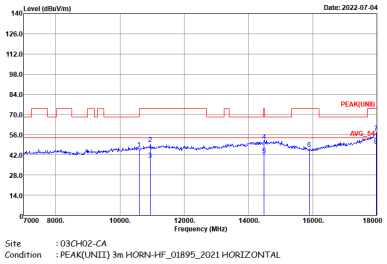
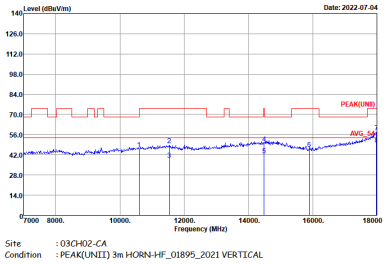
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

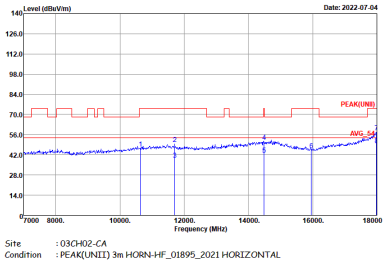
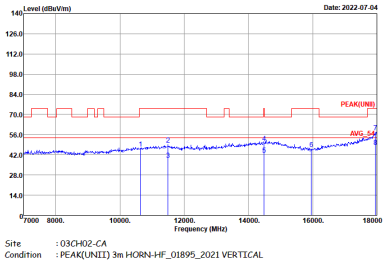
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

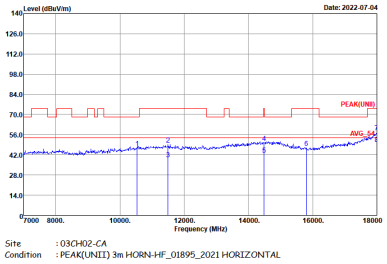
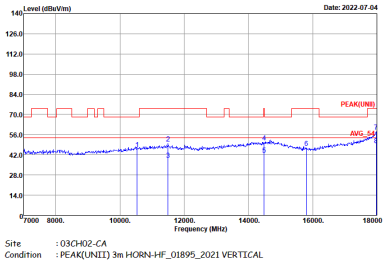
WIFI 802.11n HT20 (Harmonic @ 3m)

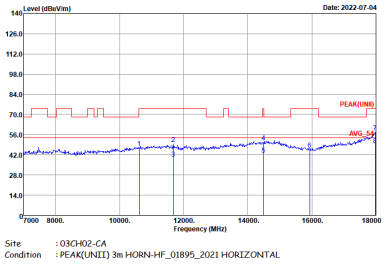
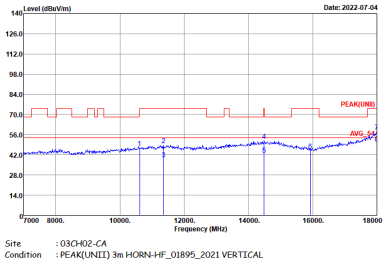
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

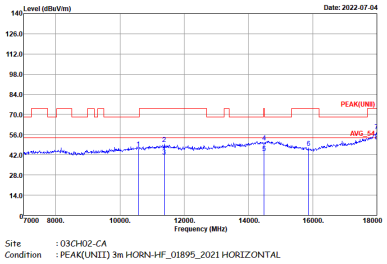
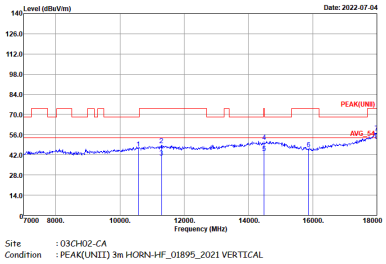
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270MHz	
1+2	Horizontal	Vertical
Peak Avg.		

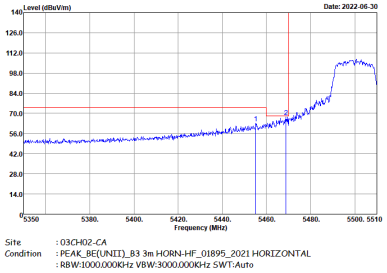
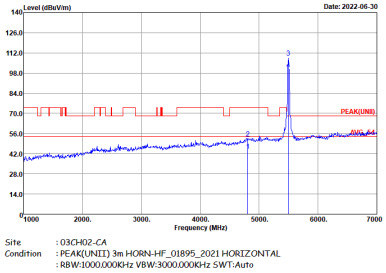
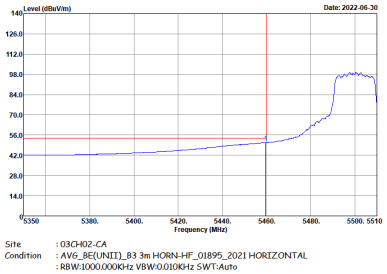
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank