



FCC RADIO TEST REPORT

FCC ID : 2AEUPBHASC081
Equipment : Stick Up Cam Pro
Brand Name : ring
Model Name : 5E72E9
Applicant : Ring LLC
12515 Cerise Ave, Hawthorne, CA 90250, USA
Manufacturer : Ring LLC
12515 Cerise Ave, Hawthorne, CA 90250, USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Apr. 28, 2022 and testing was performed from Jun. 07, 2022 to Sep. 02, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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History of this test report

Report No.	Version	Description	Issue Date
FR242615C	01	Initial issue of report	Sep. 19, 2022
FR242615C	02	1. This report is an updated version, replacing the report issued on Sep. 19, 2022. 2. Revise Product Feature	Mar. 27, 2023



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	2.22 dB under the limit at 11400.000 MHz
3.5	15.207	AC Conducted Emission	Pass	16.45 dB under the limit at 0.538 MHz
3.6	15.203	Antenna Requirement	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Keven Cheng

Report Producer: Dewi Huang



1 General Description

1.1 Product Feature of Equipment Under Test

Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n, LoRa, and 24G Radar.

Product Feature	
Antenna Type	WLAN: PIFA Antenna Bluetooth-LE: PIFA Antenna LoRa: PIFA Antenna 24GHz Radar: Patch Antenna
SW Version	1.12.21
HW Version	B6

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	2.11
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	2.11
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	3.78

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH05-HY, CO07-HY, 03CH15-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

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

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

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

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

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

Frequency Band	Channel	Freq. (MHz)
Straddle Channel	144	5720



2.2 Test Mode

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

Single Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : IR LED On + PIR Sensor On + Lora Tx + WLAN (5GHz) Link + Camera On + Mounting Plate (Base) + Charging Battery 1 + Adapter + Bluetooth-LE Link + Speaker + 24G Radar On
Remark: For Radiated Test Cases, the tests were performed with Battery 1	

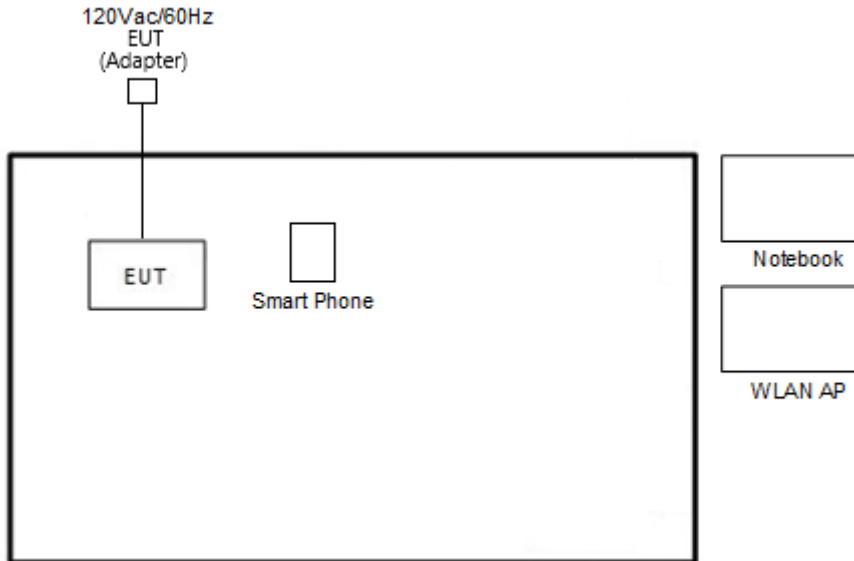
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

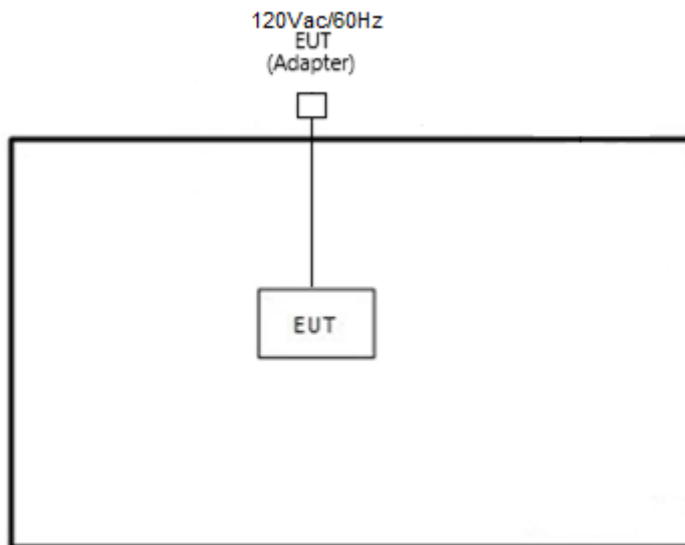
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC52	N/A	N/A	Unshielded, 1.8 m
2.	Notebook	Dell	P79G	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Smart Phone	HTC	M9pw	N/A	N/A	N/A



2.5 EUT Operation Test Setup

The RF test items, utility “Compliance 1.0.1.5” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

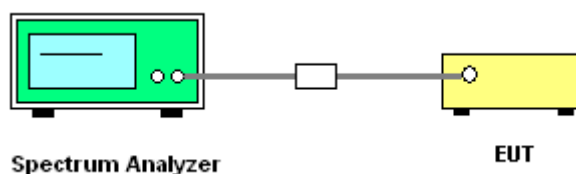
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup

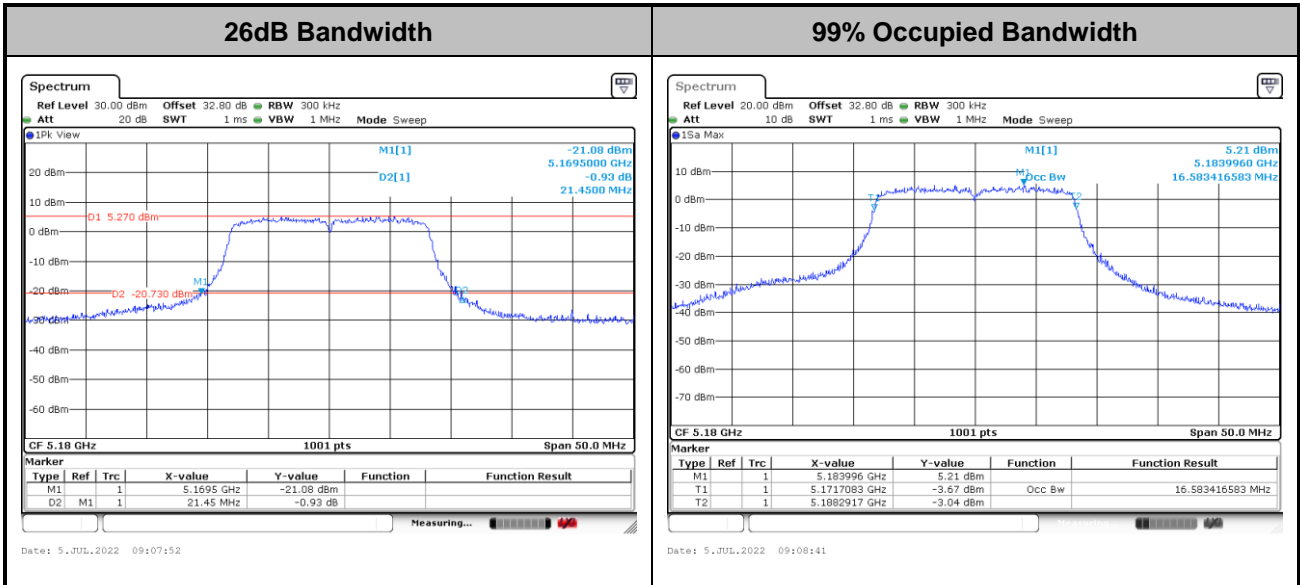


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

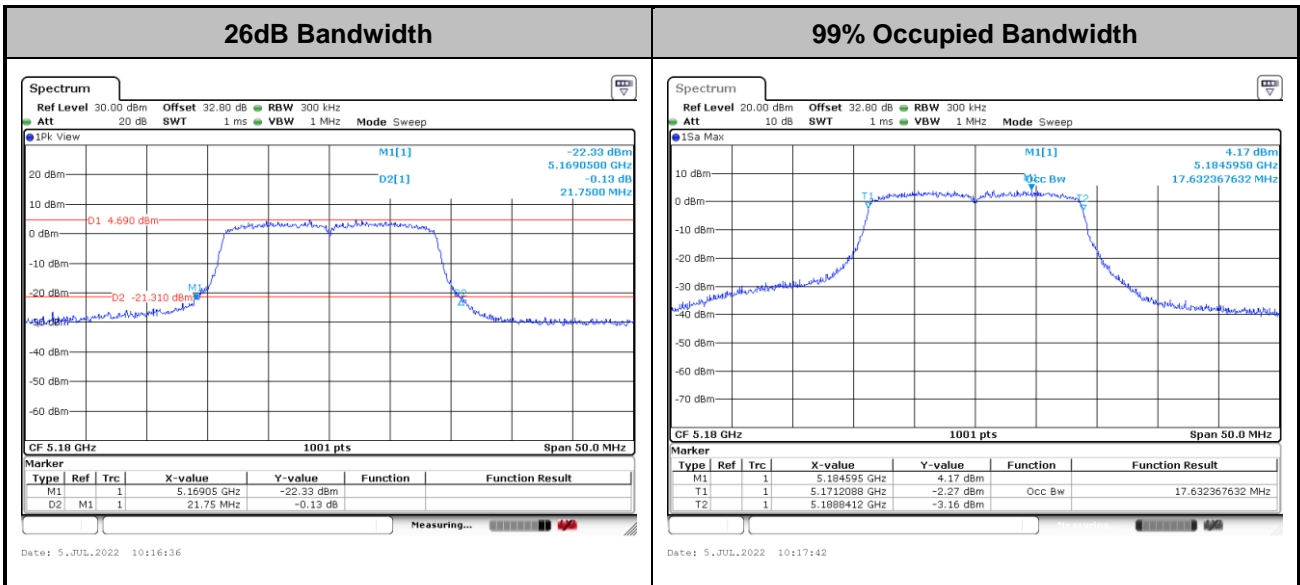


<802.11a>



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

<802.11n HT20>



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



3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

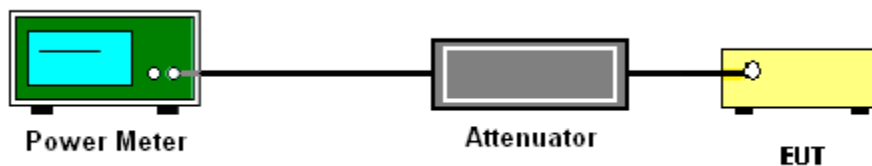
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

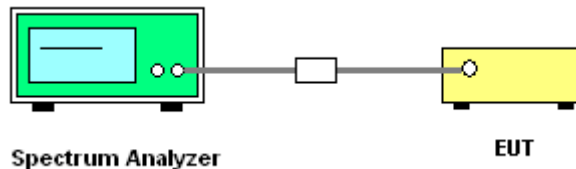
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

Method SA-3

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

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW \geq 3 MHz.
 - Number of points in sweep \geq 2 Span / RBW.
 - Sweep time \leq (number of points in sweep) \times T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Detector = power averaging (rms).
 - Trace mode = max hold.
 - Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup

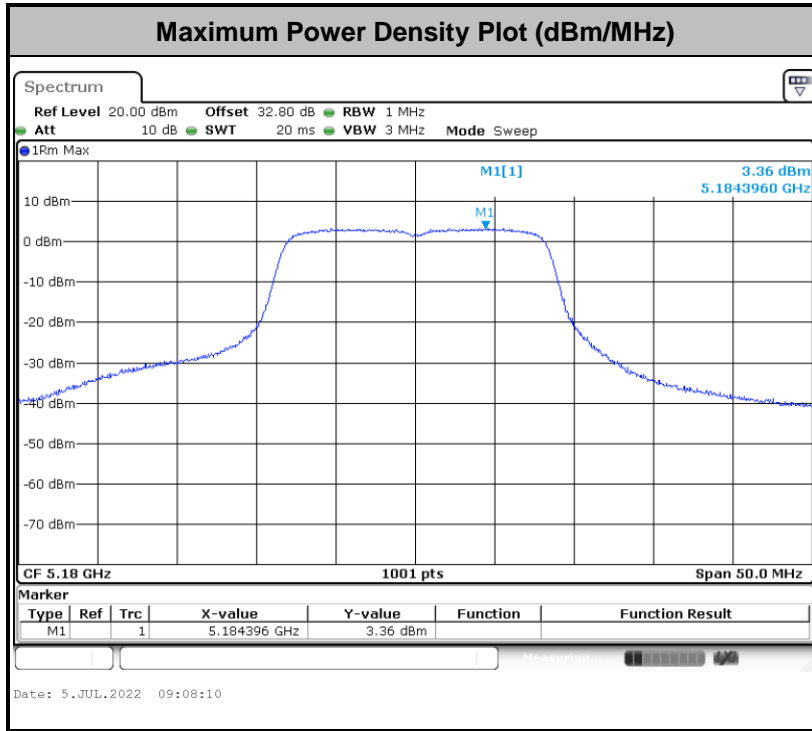


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

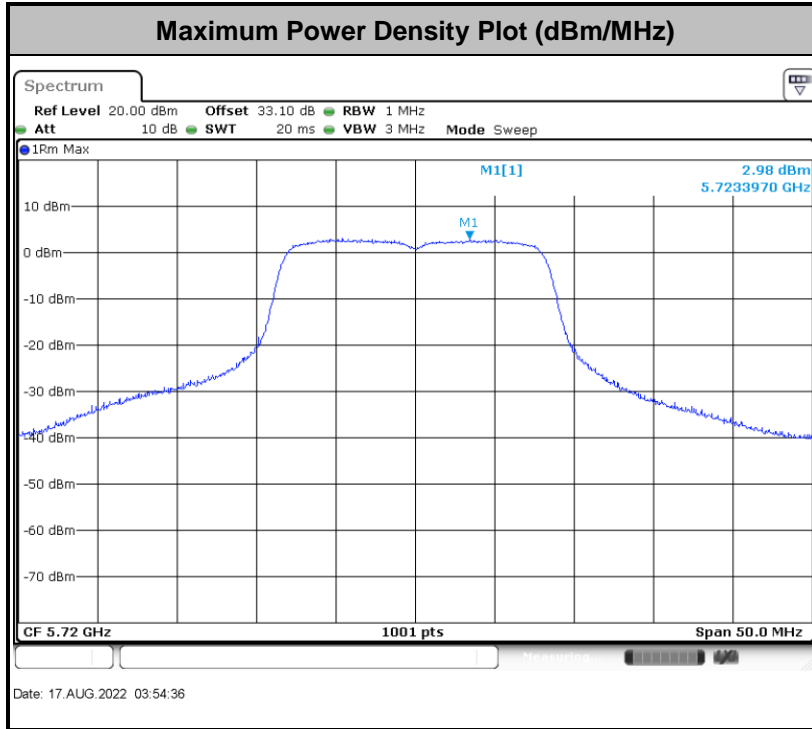


<802.11a>





<802.11n HT20>





3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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



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

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

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

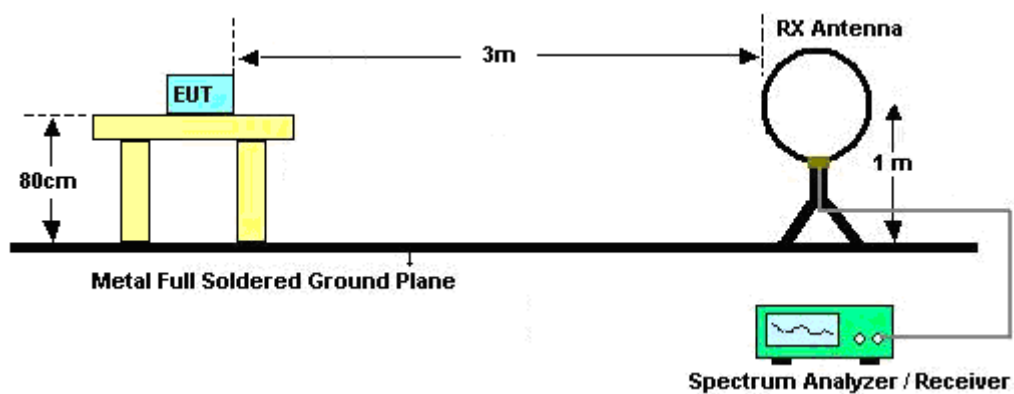
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

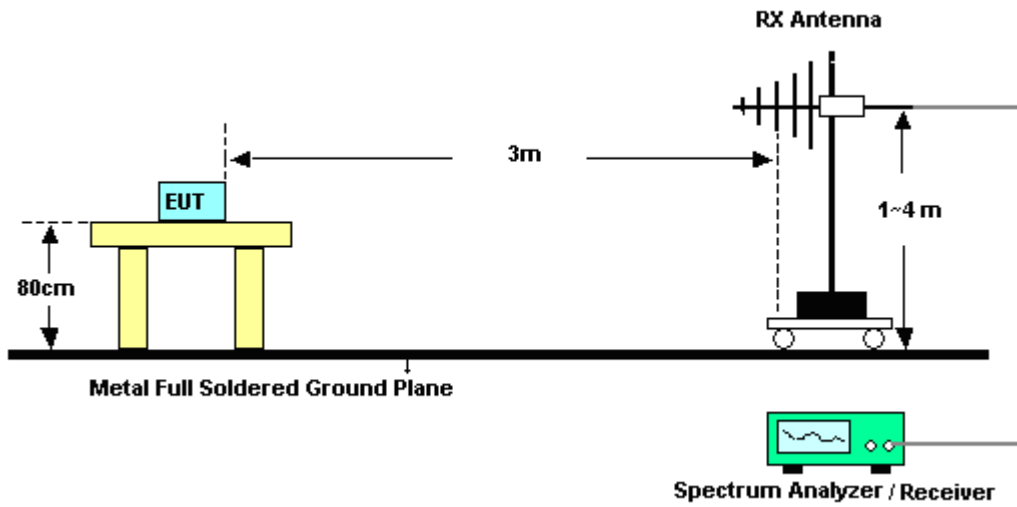
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

3.4.4 Test Setup

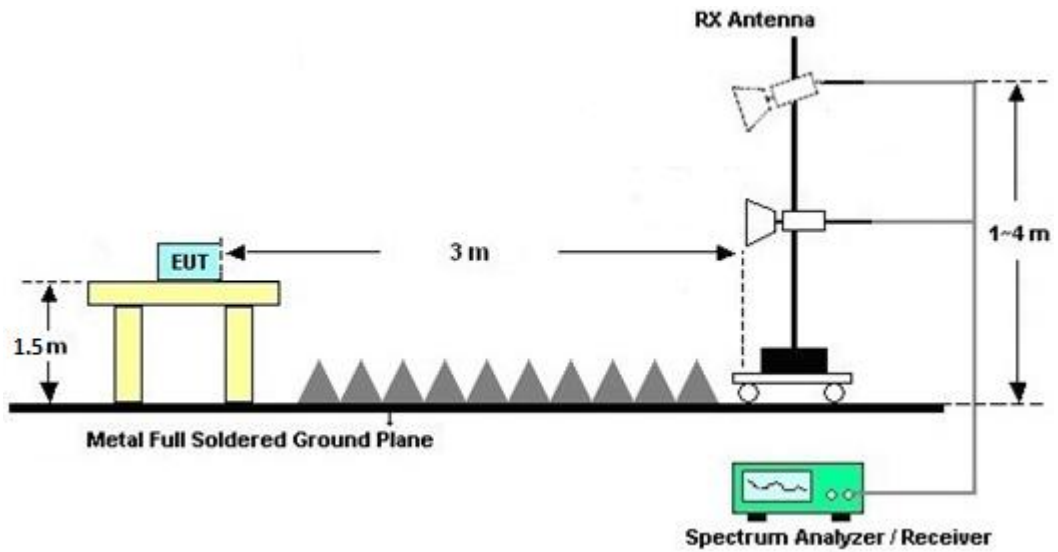
For radiated emissions test below 30MHz



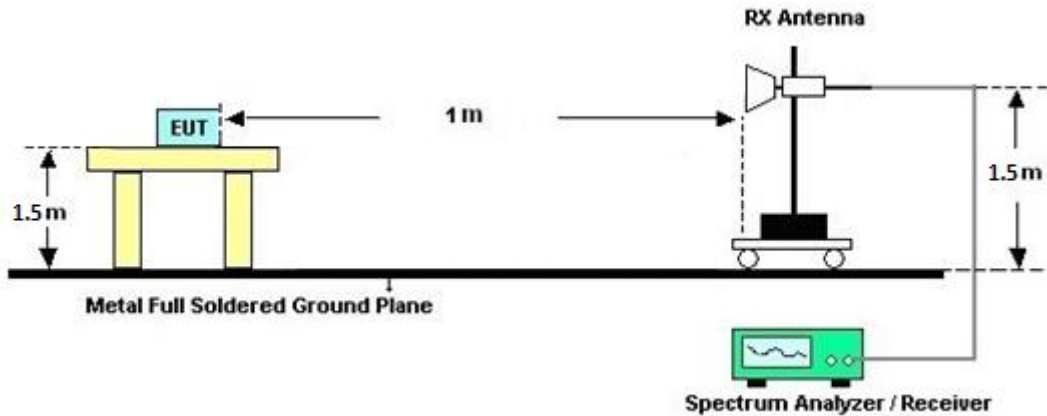
For radiated emissions test from 30MHz to 1GHz



For radiated emissions test from 1GHz to 18GHz



For radiated emissions test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Jun. 07, 2022~ Sep. 02, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Jun. 07, 2022~ Sep. 02, 2022	Dec. 28, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101756	10Hz - 40GHz	Jan. 05, 2022	Jun. 07, 2022~ Sep. 02, 2022	Jan. 04, 2023	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jul. 06, 2022	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 06, 2022	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz~200MHz	Oct. 29, 2021	Jul. 06, 2022	Oct. 28, 2022	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 16, 2022	Jul. 06, 2022	Mar. 15, 2023	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 16, 2022	Jul. 06, 2022	Feb. 15, 2023	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	9kHz~7GHz	Feb. 24, 2022	Jul. 06, 2022	Feb. 23, 2023	Conduction (CO07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	May 13, 2022	Jun. 20, 2022~ Aug. 26, 2022	May 12, 2023	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Jun. 20, 2022~ Aug. 26, 2022	Feb. 05, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2021	Jun. 20, 2022~ Aug. 26, 2022	Dec. 26, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02038	1GHz~18GHz	Aug. 04, 2021	Jun. 20, 2022~ Aug. 02, 2022	Aug. 03, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2022	Aug. 03, 2022~ Aug. 26, 2022	Jun. 22, 2023	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Jun. 20, 2022~ Aug. 26, 2022	Nov. 29, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	171000180005 5006	1GHz~18GHz	May 05, 2022	Jun. 20, 2022~ Aug. 26, 2022	May 04, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Dec. 16, 2021	Jun. 20, 2022~ Aug. 26, 2022	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	E MEC	EM18G40G	060801	18-40GHz	Jun. 22, 2021	Jun. 20, 2022	Jun. 21, 2022	Radiation (03CH15-HY)
Preamplifier	E MEC	EM18G40G	060715	18-40GHz	Dec. 22, 2021	Jun. 21, 2022~ Aug. 26, 2022	Dec. 21, 2022	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Jun. 20, 2022~ Aug. 26, 2022	Oct. 20, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 07, 2022	Jun. 20, 2022~ Aug. 26, 2022	Mar. 06, 2023	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jun. 20, 2022~ Aug. 26, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jun. 20, 2022~ Aug. 26, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Jun. 20, 2022~ Aug. 26, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY9838/4PE,5 08405/2E,5821 85/4	30MHz~18G	May 12, 2021	Jun. 20, 2022~ Aug. 26, 2022	May 11, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,8040 12/2	30MHz~40GHz	Jan. 04, 2022	Jun. 20, 2022~ Aug. 26, 2022	Jan. 03, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Jun. 20, 2022~ Aug. 26, 2022	Mar. 09, 2023	Radiation (03CH15-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.3 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.8 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.6 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu	Temperature:	21~25	°C
Test Date:	2022/6/7~2022/9/2	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	16.58	-	21.45	-	-	-	22.20	-	
11a	6Mbps	1	44	5220	16.58	-	21.00	-	-	-	22.20	-	
11a	6Mbps	1	48	5240	16.53	-	20.70	-	-	-	22.18	-	
HT20	MCS0	1	36	5180	17.63	-	21.75	-	-	-	22.46	-	
HT20	MCS0	1	44	5220	17.63	-	22.05	-	-	-	22.46	-	
HT20	MCS0	1	48	5240	17.63	-	21.75	-	-	-	22.46	-	

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	13.60	-		24.00	-	2.11	-	Pass
11a	6Mbps	1	44	5220	13.70	-		24.00	-	2.11	-	Pass
11a	6Mbps	1	48	5240	14.00	-		24.00	-	2.11	-	Pass
HT20	MCS0	1	36	5180	13.50	-		24.00	-	2.11	-	Pass
HT20	MCS0	1	44	5220	13.70	-		24.00	-	2.11	-	Pass
HT20	MCS0	1	48	5240	13.80	-		24.00	-	2.11	-	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	3.36	-		11.00	-	2.11	-	Pass
11a	6Mbps	1	44	5220	3.23	-		11.00	-	2.11	-	Pass
11a	6Mbps	1	48	5240	3.31	-		11.00	-	2.11	-	Pass
HT20	MCS0	1	36	5180	2.67	-		11.00	-	2.11	-	Pass
HT20	MCS0	1	44	5220	2.86	-		11.00	-	2.11	-	Pass
HT20	MCS0	1	48	5240	2.63	-		11.00	-	2.11	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.63	-	21.50	-	23.21	-	29.21	-	23.98	-	
11a	6Mbps	1	60	5300	16.58	-	21.60	-	23.20	-	29.20	-	23.98	-	
11a	6Mbps	1	64	5320	16.58	-	21.90	-	23.20	-	29.20	-	23.98	-	
HT20	MCS0	1	52	5260	17.63	-	22.15	-	23.46	-	29.46	-	23.98	-	
HT20	MCS0	1	60	5300	17.63	-	22.15	-	23.46	-	29.46	-	23.98	-	
HT20	MCS0	1	64	5320	17.68	-	21.95	-	23.48	-	29.48	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	13.80	-		23.98	-	2.11	-	26.99	Pass
11a	6Mbps	1	60	5300	13.90	-		23.98	-	2.11	-	26.99	Pass
11a	6Mbps	1	64	5320	13.50	-		23.98	-	2.11	-	26.99	Pass
HT20	MCS0	1	52	5260	13.60	-		23.98	-	2.11	-	26.99	Pass
HT20	MCS0	1	60	5300	13.60	-		23.98	-	2.11	-	26.99	Pass
HT20	MCS0	1	64	5320	13.40	-		23.98	-	2.11	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	3.22	-		11.00	-	2.11	-	Pass
11a	6Mbps	1	60	5300	3.10	-		11.00	-	2.11	-	Pass
11a	6Mbps	1	64	5320	2.66	-		11.00	-	2.11	-	Pass
HT20	MCS0	1	52	5260	2.83	-		11.00	-	2.11	-	Pass
HT20	MCS0	1	60	5300	2.98	-		11.00	-	2.11	-	Pass
HT20	MCS0	1	64	5320	2.44	-		11.00	-	2.11	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.63	-	20.95	-	23.21	-	29.21	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.53	-	20.70	-	23.18	-	29.18	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.58	-	22.45	-	23.20	-	29.20	-	23.98	-	----	----
HT20	MCS0	1	100	5500	17.68	-	22.35	-	23.48	-	29.48	-	23.98	-	----	----
HT20	MCS0	1	116	5580	17.68	-	21.95	-	23.48	-	29.48	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.68	-	24.40	-	23.47	-	29.47	-	23.98	-	----	----

Band III straddle channel single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	144	5720	13.24	-	15.55	-	22.22	-	28.22	-	22.92	-	3.25	-
HT20	MCS0	1	144	5720	13.84	-	17.00	-	22.41	-	28.41	-	23.30	-	3.831	-

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	12.60	-		23.98	-	3.78	-	26.99	Pass
11a	6Mbps	1	116	5580	11.80	-		23.98	-	3.78	-	26.99	Pass
11a	6Mbps	1	140	5700	11.50	-		23.98	-	3.78	-	26.99	Pass
HT20	MCS0	1	100	5500	13.00	-		23.98	-	3.78	-	26.99	Pass
HT20	MCS0	1	116	5580	11.80	-		23.98	-	3.78	-	26.99	Pass
HT20	MCS0	1	140	5700	11.40	-		23.98	-	3.78	-	26.99	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	11.60	-		22.92	-	3.78	-	26.99	Pass
HT20	MCS0	1	144	5720	13.30	-		23.30	-	3.78	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	2.40	-		11.00	-	3.78	-	Pass
11a	6Mbps	1	116	5580	1.17	-		11.00	-	3.78	-	Pass
11a	6Mbps	1	140	5700	1.02	-		11.00	-	3.78	-	Pass
HT20	MCS0	1	100	5500	2.19	-		11.00	-	3.78	-	Pass
HT20	MCS0	1	116	5580	0.85	-		11.00	-	3.78	-	Pass
HT20	MCS0	1	140	5700	0.55	-		11.00	-	3.78	-	Pass

Band III straddle channel single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	144	5720	1.17	-		11.00	-	3.78	-	Pass
HT20	MCS0	1	144	5720	2.98	-		11.00	-	3.78	-	Pass



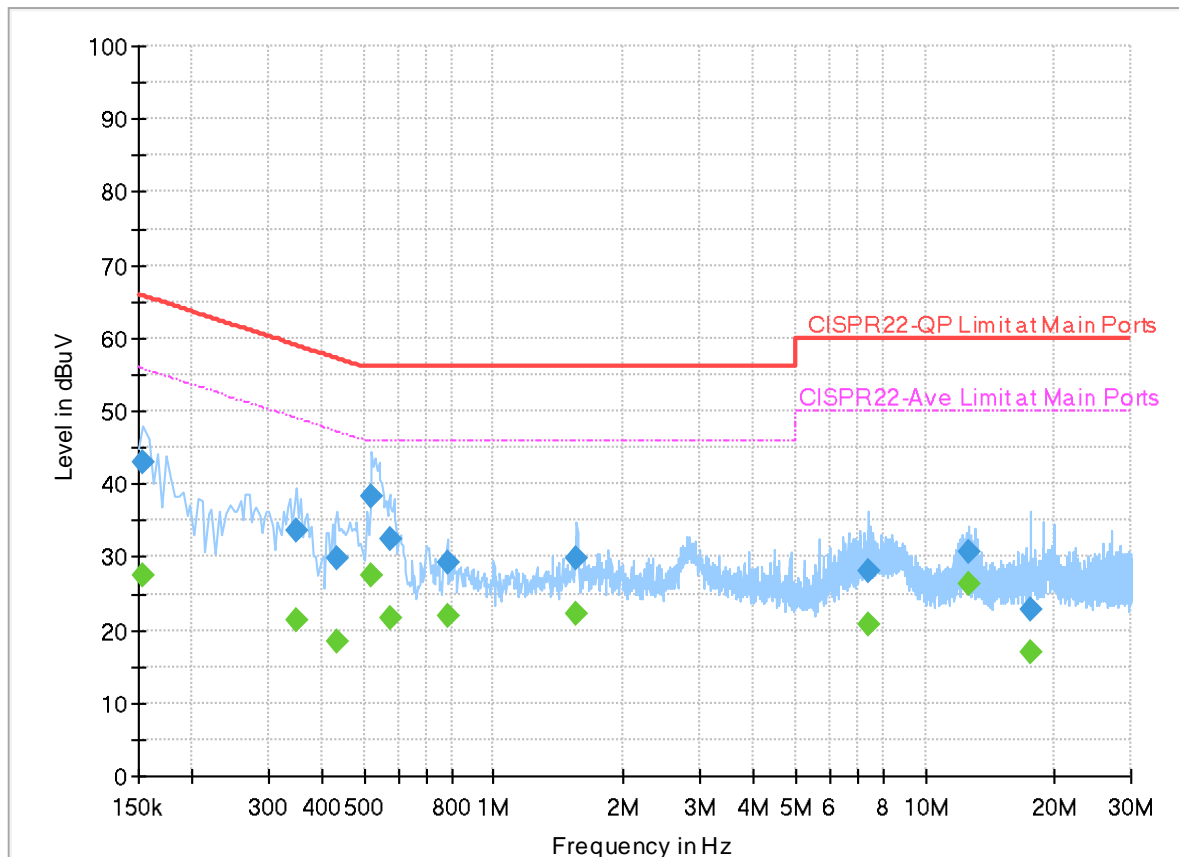
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	22.4~25.6°C
		Relative Humidity :	48.2~57.1%

EUT Information

Report NO : 242615
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final_Result

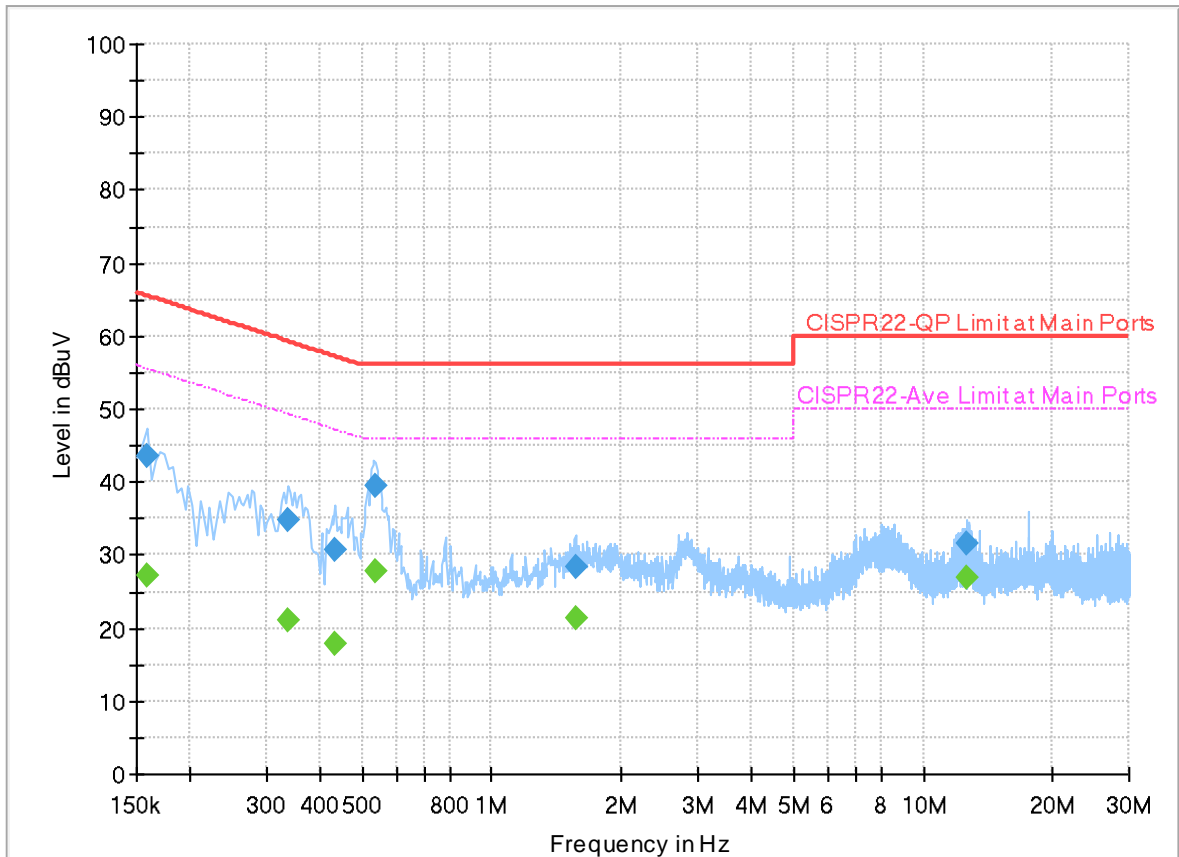
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154000	---	27.52	55.78	28.26	L1	OFF	20.0
0.154000	42.90	---	65.78	22.88	L1	OFF	20.0
0.350000	---	21.21	48.96	27.75	L1	OFF	20.0
0.350000	33.64	---	58.96	25.32	L1	OFF	20.0
0.434000	---	18.49	47.18	28.69	L1	OFF	20.0
0.434000	29.74	---	57.18	27.44	L1	OFF	20.0
0.522000	---	27.42	46.00	18.58	L1	OFF	20.0
0.522000	38.27	---	56.00	17.73	L1	OFF	20.0
0.574000	---	21.68	46.00	24.32	L1	OFF	20.0
0.574000	32.59	---	56.00	23.41	L1	OFF	20.0
0.782000	---	21.90	46.00	24.10	L1	OFF	20.0
0.782000	29.33	---	56.00	26.67	L1	OFF	20.0
1.558000	---	22.31	46.00	23.69	L1	OFF	20.0
1.558000	29.96	---	56.00	26.04	L1	OFF	20.0
7.410000	---	20.90	50.00	29.10	L1	OFF	20.1
7.410000	28.01	---	60.00	31.99	L1	OFF	20.1
12.606000	---	26.27	50.00	23.73	L1	OFF	20.2
12.606000	30.61	---	60.00	29.39	L1	OFF	20.2
17.646000	---	17.04	50.00	32.96	L1	OFF	20.2

17.646000	22.75	---	60.00	37.25	L1	OFF	20.2
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EUT Information

Report NO : 242615
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.158000	---	27.24	55.57	28.33	N	OFF	20.0
0.158000	43.59	---	65.57	21.98	N	OFF	20.0
0.338000	---	20.96	49.25	28.29	N	OFF	20.0
0.338000	34.82	---	59.25	24.43	N	OFF	20.0
0.434000	---	17.71	47.18	29.47	N	OFF	20.0
0.434000	30.58	---	57.18	26.60	N	OFF	20.0
0.538000	---	27.64	46.00	18.36	N	OFF	20.0
0.538000	39.55	---	56.00	16.45	N	OFF	20.0
1.562000	---	21.26	46.00	24.74	N	OFF	20.0
1.562000	28.25	---	56.00	27.75	N	OFF	20.0
12.606000	---	26.83	50.00	23.17	N	OFF	20.2
12.606000	31.46	---	60.00	28.54	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%



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		5146.38	53.43	-20.57	74	48.31	32.91	9.1	36.89	259	7	P	H	
		5150	45.06	-8.94	54	39.94	32.9	9.1	36.88	259	7	A	H	
	*	5180	108.83	-	-	103.7	32.84	9.16	36.87	259	7	P	H	
	*	5180	99.92	-	-	94.79	32.84	9.16	36.87	259	7	A	H	
													H	
													H	
			5147.68	49.56	-24.44	74	44.44	32.91	9.1	36.89	295	294	P	V
			5150	41.3	-12.7	54	36.18	32.9	9.1	36.88	295	294	A	V
	*		5180	103.97	-	-	98.84	32.84	9.16	36.87	295	294	P	V
	*		5180	95.51	-	-	90.38	32.84	9.16	36.87	295	294	A	V
													V	
													V	
802.11a CH 44 5220MHz		5142.48	47.99	-26.01	74	42.86	32.93	9.09	36.89	273	7	P	H	
		5142.22	37.16	-16.84	54	32.03	32.93	9.09	36.89	273	7	A	H	
	*	5220	109.1	-	-	103.89	32.84	9.22	36.85	273	7	P	H	
	*	5220	100.11	-	-	94.9	32.84	9.22	36.85	273	7	A	H	
			5377.12	48.45	-25.55	74	43.12	32.7	9.4	36.77	273	7	P	H
			5381.32	38.93	-15.07	54	33.59	32.7	9.41	36.77	273	7	A	H
			5006.24	46.91	-27.09	74	42.07	32.98	8.82	36.96	334	103	P	V
			5102.7	36.75	-17.25	54	31.56	33.09	9.01	36.91	334	103	A	V
	*		5220	102.14	-	-	96.93	32.84	9.22	36.85	334	103	P	V
	*		5220	93.85	-	-	88.64	32.84	9.22	36.85	334	103	A	V
			5364.8	46.87	-27.13	74	41.56	32.7	9.39	36.78	334	103	P	V
			5459.44	37.36	-16.64	54	31.91	32.72	9.46	36.73	334	103	A	V



802.11a CH 48 5240MHz		5131.56	47.37	-26.63	74	42.22	32.97	9.07	36.89	284	28	P	H
		5120.12	37.03	-16.97	54	31.87	33.02	9.04	36.9	284	28	A	H
	*	5240	108.35	-	-	103.06	32.88	9.25	36.84	284	28	P	H
	*	5240	100.09	-	-	94.8	32.88	9.25	36.84	284	28	A	H
		5455.52	48.6	-25.4	74	43.17	32.71	9.45	36.73	284	28	P	H
		5402.04	39.1	-14.9	54	33.73	32.7	9.43	36.76	284	28	A	H
		5124.28	47.22	-26.78	74	42.07	33	9.05	36.9	400	196	P	V
		5103.74	36.7	-17.3	54	31.51	33.09	9.01	36.91	400	196	A	V
	*	5240	101.49	-	-	96.2	32.88	9.25	36.84	400	196	P	V
	*	5240	93.69	-	-	88.4	32.88	9.25	36.84	400	196	A	V
		5429.2	46.99	-27.01	74	41.6	32.7	9.44	36.75	400	196	P	V
		5458.32	36.99	-17.01	54	31.54	32.72	9.46	36.73	400	196	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	51.49	-16.71	68.2	60.74	38.46	12.88	60.59	215	33	P	H
		10762	50.76	-23.24	74	59.62	38.92	13.11	60.89	-	-	P	H
		10762	41.97	-12.03	54	50.83	38.92	13.11	60.89	-	-	A	H
		14491	51.22	-22.78	74	59.02	40.51	15.17	63.48	-	-	P	H
		14491	42.43	-11.57	54	50.23	40.51	15.17	63.48	-	-	A	H
		15540	50.73	-23.27	74	59.37	38.12	15.57	62.33	-	-	P	H
		15540	40.95	-13.05	54	49.59	38.12	15.57	62.33	-	-	A	H
		17989	55.86	-18.14	74	53.02	43	17.02	57.18	-	-	P	H
		17989	47.07	-6.93	54	44.23	43	17.02	57.18	-	-	A	H
													H
													H
													H
802.11a													
CH 36													
5180MHz		10360	55.03	-13.17	68.2	64.28	38.46	12.88	60.59	100	73	P	V
		10784	50.6	-23.4	74	59.42	38.97	13.12	60.91	-	-	P	V
		10784	41.81	-12.19	54	50.63	38.97	13.12	60.91	-	-	A	V
		14480	50.84	-23.16	74	58.62	40.52	15.17	63.47	-	-	P	V
		14480	42.05	-11.95	54	49.83	40.52	15.17	63.47	-	-	A	V
		15540	50.3	-23.7	74	58.94	38.12	15.57	62.33	-	-	P	V
		15540	40.51	-13.49	54	49.15	38.12	15.57	62.33	-	-	A	V
		17989	56.18	-17.82	74	53.34	43	17.02	57.18	-	-	P	V
		17989	47.39	-6.61	54	44.55	43	17.02	57.18	-	-	A	V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	55.11	-13.09	68.2	64.39	38.46	12.93	60.67	215	32	P	H
		10795	50.22	-23.78	74	59.02	38.99	13.12	60.91	-	-	P	H
		10795	41.43	-12.57	54	50.23	38.99	13.12	60.91	-	-	A	H
		14491	50.6	-23.4	74	58.4	40.51	15.17	63.48	-	-	P	H
		14491	41.81	-12.19	54	49.61	40.51	15.17	63.48	-	-	A	H
		15660	48.83	-25.17	74	57.09	37.82	15.61	61.69	-	-	P	H
		15660	39.9	-14.1	54	48.16	37.82	15.61	61.69	-	-	A	H
		17978	55.8	-18.2	74	53.08	42.9	17.02	57.2	-	-	P	H
		17978	47.01	-6.99	54	44.29	42.9	17.02	57.2	-	-	A	H
													H
													H
													H
802.11a													
CH 44													
5220MHz		10440	56.02	-12.18	68.2	65.3	38.46	12.93	60.67	100	71	P	V
		10839	50.3	-23.7	74	59.21	38.88	13.15	60.94	-	-	P	V
		10839	41.51	-12.49	54	50.42	38.88	13.15	60.94	-	-	A	V
		14491	49.64	-24.36	74	57.44	40.51	15.17	63.48	-	-	P	V
		14491	40.85	-13.15	54	48.65	40.51	15.17	63.48	-	-	A	V
		15660	48.35	-25.65	74	56.61	37.82	15.61	61.69	-	-	P	V
		15660	39.17	-14.83	54	47.43	37.82	15.61	61.69	-	-	A	V
		18000	54.68	-19.32	74	51.72	43.1	17.03	57.17	-	-	P	V
		18000	45.89	-8.11	54	42.93	43.1	17.03	57.17	-	-	A	V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 48 5240MHz		10480	55.07	-13.13	68.2	64.41	38.42	12.95	60.71	207	310	P	H	
		10784	50.36	-23.64	74	59.18	38.97	13.12	60.91	-	-	P	H	
		10784	41.57	-12.43	54	50.39	38.97	13.12	60.91	-	-	A	H	
		14480	50.66	-23.34	74	58.44	40.52	15.17	63.47	-	-	P	H	
		14480	41.87	-12.13	54	49.65	40.52	15.17	63.47	-	-	A	H	
		15720	47.69	-26.31	74	55.78	37.64	15.64	61.37	-	-	P	H	
		17989	55.06	-18.94	74	52.22	43	17.02	57.18	-	-	P	H	
		17989	46.27	-7.73	54	43.43	43	17.02	57.18	-	-	A	H	
														H
														H
														H
														H
			10480	57.23	-10.97	68.2	66.57	38.42	12.95	60.71	217	354	P	V
			10773	50.01	-23.99	74	58.85	38.95	13.11	60.9	-	-	P	V
			10773	41.22	-12.78	54	50.06	38.95	13.11	60.9	-	-	A	V
			14480	50.42	-23.58	74	58.2	40.52	15.17	63.47	-	-	P	V
			14480	41.63	-12.37	54	49.41	40.52	15.17	63.47	-	-	A	V
			15720	48.83	-25.17	74	56.92	37.64	15.64	61.37	-	-	P	V
			15720	39.87	-14.13	54	47.96	37.64	15.64	61.37	-	-	A	V
			17978	55.18	-18.82	74	52.46	42.9	17.02	57.2	-	-	P	V
		17978	46.39	-7.61	54	43.67	42.9	17.02	57.2	-	-	A	V	
													V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. 													



Band 1 5150~5250MHz
WIFI 802.11n HT20 (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)	
802.11n HT20 CH 36 5180MHz		5149.53	55.86	-18.14	74	50.29	33.2	9.1	36.73	270	22	P	H	
		5149.91	44.22	-9.78	54	38.65	33.2	9.1	36.73	270	22	A	H	
	*	5180	108.14	-	-	102.57	33.14	9.16	36.73	270	22	P	H	
	*	5180	99.57	-	-	94	33.14	9.16	36.73	270	22	A	H	
													H	
														H
			5147.44	50.79	-23.21	74	45.22	33.2	9.1	36.73	383	278	P	V
			5149.91	41.02	-12.98	54	35.45	33.2	9.1	36.73	383	278	A	V
		*	5180	104.22	-	-	98.65	33.14	9.16	36.73	383	278	P	V
		*	5180	95.97	-	-	90.4	33.14	9.16	36.73	383	278	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5135.2	48.8	-25.2	74	43.66	32.96	9.07	36.89	262	353	P	H	
		5143.78	37.58	-16.42	54	32.46	32.92	9.09	36.89	262	353	A	H	
		*	5220	108.69	-	-	103.48	32.84	9.22	36.85	262	353	P	H
		*	5220	100.68	-	-	95.47	32.84	9.22	36.85	262	353	A	H
			5379.08	49.36	-24.64	74	44.02	32.7	9.41	36.77	262	353	P	H
			5384.96	39.85	-14.15	54	34.51	32.7	9.41	36.77	262	353	A	H
			5111.54	47.87	-26.13	74	42.69	33.05	9.03	36.9	400	251	P	V
			5102.44	36.56	-17.44	54	31.37	33.09	9.01	36.91	400	251	A	V
		*	5220	102.42	-	-	97.21	32.84	9.22	36.85	400	251	P	V
		*	5220	94.64	-	-	89.43	32.84	9.22	36.85	400	251	A	V
		5459.72	47.17	-26.83	74	41.72	32.72	9.46	36.73	400	251	P	V	
		5360.32	37.04	-16.96	54	31.74	32.7	9.38	36.78	400	251	A	V	



802.11n HT20 CH 48 5240MHz		5059.8	47.75	-26.25	74	42.89	32.86	8.93	36.93	261	352	P	H
		5086.32	37.17	-16.83	54	32.09	33.02	8.98	36.92	261	352	A	H
	*	5240	110.47	-	-	105.18	32.88	9.25	36.84	261	352	P	H
	*	5240	102.29	-	-	97	32.88	9.25	36.84	261	352	A	H
		5399.24	50.67	-23.33	74	45.3	32.7	9.43	36.76	261	352	P	H
		5403.44	40.63	-13.37	54	35.26	32.7	9.43	36.76	261	352	A	H
		5104.78	47.22	-26.78	74	42.04	33.08	9.01	36.91	391	288	P	V
		5103.22	36.77	-17.23	54	31.58	33.09	9.01	36.91	391	288	A	V
	*	5240	104.47	-	-	99.18	32.88	9.25	36.84	391	288	P	V
	*	5240	96.46	-	-	91.17	32.88	9.25	36.84	391	288	A	V
		5356.12	48.44	-25.56	74	43.14	32.7	9.38	36.78	391	288	P	V
		5398.4	37.84	-16.16	54	32.47	32.7	9.43	36.76	391	288	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11n HT20 (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)	
802.11n HT20 CH 36 5180MHz		10360	51.4	-16.8	68.2	60.65	38.46	12.88	60.59	212	312	P	H	
		10652	49.82	-24.18	74	58.8	38.8	13.04	60.82	-	-	P	H	
		10652	41.03	-12.97	54	50.01	38.8	13.04	60.82	-	-	A	H	
		14491	50.29	-23.71	74	58.09	40.51	15.17	63.48	-	-	P	H	
		14491	41.5	-12.5	54	49.3	40.51	15.17	63.48	-	-	A	H	
		15540	49.59	-24.41	74	58.23	38.12	15.57	62.33	-	-	P	H	
		15540	40.69	-13.31	54	49.33	38.12	15.57	62.33	-	-	A	H	
		17989	54.93	-19.07	74	52.09	43	17.02	57.18	-	-	P	H	
		17989	46.14	-7.86	54	43.3	43	17.02	57.18	-	-	A	H	
														H
														H
														H
			10360	53.57	-14.63	68.2	62.82	38.46	12.88	60.59	100	69	P	V
			10784	49.58	-24.42	74	58.4	38.97	13.12	60.91	-	-	P	V
			10784	40.79	-13.21	54	49.61	38.97	13.12	60.91	-	-	A	V
			14491	50.64	-23.36	74	58.44	40.51	15.17	63.48	-	-	P	V
			14491	41.85	-12.15	54	49.65	40.51	15.17	63.48	-	-	A	V
			15540	50.43	-23.57	74	59.07	38.12	15.57	62.33	-	-	P	V
			15540	41.54	-12.46	54	50.18	38.12	15.57	62.33	-	-	A	V
		17890	55.79	-18.21	74	54.09	42.06	16.96	57.32	-	-	P	V	
		17890	47	-7	54	45.3	42.06	16.96	57.32	-	-	A	V	
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
i802.11n HT20 CH 44 5220MHz		10440	53.1	-15.1	68.2	62.38	38.46	12.93	60.67	214	311	P	H	
		10795	52.18	-21.82	74	60.98	38.99	13.12	60.91	-	-	P	H	
		10795	43.39	-10.61	54	52.19	38.99	13.12	60.91	-	-	A	H	
		14491	50.23	-23.77	74	58.03	40.51	15.17	63.48	-	-	P	H	
		14491	41.44	-12.56	54	49.24	40.51	15.17	63.48	-	-	A	H	
		15660	48.09	-25.91	74	56.35	37.82	15.61	61.69	-	-	P	H	
		15660	39.12	-14.88	54	47.38	37.82	15.61	61.69	-	-	A	H	
		18000	55.16	-18.84	74	52.2	43.1	17.03	57.17	-	-	P	H	
		18000	46.37	-7.63	54	43.41	43.1	17.03	57.17	-	-	A	H	
														H
														H
														H
			10440	55.69	-12.51	68.2	64.97	38.46	12.93	60.67	219	355	P	V
			10795	49.45	-24.55	74	58.25	38.99	13.12	60.91	-	-	P	V
			10795	40.66	-13.34	54	49.46	38.99	13.12	60.91	-	-	A	V
			14480	50.32	-23.68	74	58.1	40.52	15.17	63.47	-	-	P	V
			14480	41.53	-12.47	54	49.31	40.52	15.17	63.47	-	-	A	V
			15660	49.18	-24.82	74	57.44	37.82	15.61	61.69	-	-	P	V
			15660	40.23	-13.77	54	48.49	37.82	15.61	61.69	-	-	A	V
		17978	55.05	-18.95	74	52.33	42.9	17.02	57.2	-	-	P	V	
		17978	46.26	-7.74	54	43.54	42.9	17.02	57.2	-	-	A	V	
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 48 5240MHZ		10480	53.69	-14.51	68.2	63.03	38.42	12.95	60.71	214	311	P	H	
		10784	50.49	-23.51	74	59.31	38.97	13.12	60.91	-	-	P	H	
		10784	41.7	-12.3	54	50.52	38.97	13.12	60.91	-	-	A	H	
		14491	50.57	-23.43	74	58.37	40.51	15.17	63.48	-	-	P	H	
		14491	41.78	-12.22	54	49.58	40.51	15.17	63.48	-	-	A	H	
		15720	47.44	-26.56	74	55.53	37.64	15.64	61.37	-	-	P	H	
		18000	54.98	-19.02	74	52.02	43.1	17.03	57.17	-	-	P	H	
		18000	46.19	-7.81	54	43.23	43.1	17.03	57.17	-	-	A	H	
														H
														H
														H
														H
			10480	56.59	-11.61	68.2	65.93	38.42	12.95	60.71	211	355	P	V
			10806	52.02	-21.98	74	60.83	38.98	13.13	60.92	-	-	P	V
			10806	43.23	-10.77	54	52.04	38.98	13.13	60.92	-	-	A	V
			14480	50.93	-23.07	74	58.71	40.52	15.17	63.47	-	-	P	V
			14480	42.14	-11.86	54	49.92	40.52	15.17	63.47	-	-	A	V
			15720	47.61	-26.39	74	55.7	37.64	15.64	61.37	-	-	P	V
			18000	55.47	-18.53	74	52.51	43.1	17.03	57.17	-	-	P	V
		18000	46.68	-7.32	54	43.72	43.1	17.03	57.17	-	-	A	V	
													V	
													V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. 													



Band 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		5109.48	46.92	-27.08	74	41.75	33.06	9.02	36.91	300	26	P	H
		5102	37.23	-16.77	54	32.04	33.09	9.01	36.91	300	26	A	H
	*	5260	108.96	-	-	103.62	32.9	9.27	36.83	300	26	P	H
	*	5260	99.81	-	-	94.47	32.9	9.27	36.83	300	26	A	H
		5419.2	48.63	-25.37	74	43.24	32.7	9.44	36.75	300	26	P	H
		5417.52	39.06	-14.94	54	33.67	32.7	9.44	36.75	300	26	A	H
		5069.02	46.36	-27.64	74	41.44	32.91	8.94	36.93	313	112	P	V
		5105.4	36.8	-17.2	54	31.61	33.08	9.02	36.91	313	112	A	V
	*	5260	102.27	-	-	96.93	32.9	9.27	36.83	313	112	P	V
	*	5260	94.02	-	-	88.68	32.9	9.27	36.83	313	112	A	V
		5397.84	47	-27	74	41.63	32.7	9.43	36.76	313	112	P	V
		5418.72	37.48	-16.52	54	32.09	32.7	9.44	36.75	313	112	A	V
802.11a CH 60 5300MHz		5063.86	47.41	-26.59	74	42.01	33.2	8.93	36.73	282	7	P	H
		5146.01	37.24	-16.76	54	31.68	33.2	9.09	36.73	282	7	A	H
	*	5300	110.38	-	-	104.98	32.8	9.32	36.72	282	7	P	H
	*	5300	101.55	-	-	96.15	32.8	9.32	36.72	282	7	A	H
		5376.7	51.48	-22.52	74	45.85	32.95	9.4	36.72	282	7	P	H
		5384.86	41.99	-12.01	54	36.33	32.97	9.41	36.72	282	7	A	H
		5055.49	46.62	-27.38	74	41.23	33.2	8.92	36.73	348	7	P	V
		5104.16	36.56	-17.44	54	31.08	33.2	9.01	36.73	348	7	A	V
	*	5300	96.12	-	-	90.72	32.8	9.32	36.72	348	7	P	V
	*	5300	88	-	-	82.6	32.8	9.32	36.72	348	7	A	V
		5373.98	47.62	-26.38	74	41.99	32.95	9.4	36.72	348	7	P	V
		5382.31	36.98	-17.02	54	31.33	32.96	9.41	36.72	348	7	A	V



802.11a CH 64 5320MHz	*	5320	107.91	-	-	102.45	32.84	9.34	36.72	263	360	P	H
	*	5320	99.9	-	-	94.44	32.84	9.34	36.72	263	360	A	H
		5350.08	55.33	-18.67	74	49.78	32.9	9.37	36.72	263	360	P	H
		5350.08	44.98	-9.02	54	39.43	32.9	9.37	36.72	263	360	A	H
													H
													H
	*	5320	104.89	-	-	99.43	32.84	9.34	36.72	386	285	P	V
	*	5320	96.75	-	-	91.29	32.84	9.34	36.72	386	285	A	V
		5350.72	49.61	-24.39	74	44.06	32.9	9.37	36.72	386	285	P	V
		5350.08	40.79	-13.21	54	35.24	32.9	9.37	36.72	386	285	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 52 5260MHz		10520	51.86	-16.34	68.2	61.15	38.48	12.97	60.74	213	311	P	H	
		10828	49.93	-24.07	74	58.8	38.92	13.14	60.93	-	-	P	H	
		10828	41.14	-12.86	54	50.01	38.92	13.14	60.93	-	-	A	H	
		14491	50.01	-23.99	74	57.81	40.51	15.17	63.48	-	-	P	H	
		14491	41.22	-12.78	54	49.02	40.51	15.17	63.48	-	-	A	H	
		15780	47.99	-26.01	74	55.92	37.46	15.66	61.05	-	-	P	H	
		18000	54.96	-19.04	74	52	43.1	17.03	57.17	-	-	P	H	
		18000	46.17	-7.83	54	43.21	43.1	17.03	57.17	-	-	A	H	
														H
														H
														H
														H
			10520	56.19	-12.01	68.2	65.48	38.48	12.97	60.74	213	354	P	V
			10817	50.91	-23.09	74	59.76	38.95	13.13	60.93	-	-	P	V
			10817	42.12	-11.88	54	50.97	38.95	13.13	60.93	-	-	A	V
			14480	50.03	-23.97	74	57.81	40.52	15.17	63.47	-	-	P	V
			14480	41.24	-12.76	54	49.02	40.52	15.17	63.47	-	-	A	V
			15780	39.65	-34.35	74	47.58	37.46	15.66	61.05	-	-	P	V
			15780	48.62	-25.38	74	56.55	37.46	15.66	61.05	-	-	P	V
			17978	55.52	-18.48	74	52.8	42.9	17.02	57.2	-	-	P	V
		17978	46.73	-7.27	54	44.01	42.9	17.02	57.2	-	-	A	V	
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
i802.11a CH 60 5300MHz		10600	55.66	-18.34	74	64.63	38.8	13.02	60.79	200	308	P	H	
		10600	46.23	-7.77	54	55.2	38.8	13.02	60.79	200	308	A	H	
		11356	50.68	-23.32	74	59.07	39.01	13.43	60.83	-	-	P	H	
		11356	41.89	-12.11	54	50.28	39.01	13.43	60.83	-	-	A	H	
		14480	50.57	-23.43	74	58.35	40.52	15.17	63.47	-	-	P	H	
		14480	41.78	-12.22	54	49.56	40.52	15.17	63.47	-	-	A	H	
		15900	48.4	-25.6	74	55.51	37.6	15.7	60.41	-	-	P	H	
		17978	55.15	-18.85	74	52.43	42.9	17.02	57.2	-	-	P	H	
		17978	46.36	-7.64	54	43.64	42.9	17.02	57.2	-	-	A	H	
														H
														H
														H
			10600	57.82	-16.18	74	66.79	38.8	13.02	60.79	205	355	P	V
			10600	47.68	-6.32	54	56.65	38.8	13.02	60.79	205	355	A	V
			11455	51.49	-22.51	74	59.85	38.93	13.49	60.78	-	-	P	V
			11455	42.7	-11.3	54	51.06	38.93	13.49	60.78	-	-	A	V
			14491	50.34	-23.66	74	58.14	40.51	15.17	63.48	-	-	P	V
			14491	41.55	-12.45	54	49.35	40.51	15.17	63.48	-	-	A	V
			15900	48.5	-25.5	74	55.61	37.6	15.7	60.41	-	-	P	V
			17989	55.57	-18.43	74	52.73	43	17.02	57.18	-	-	P	V
		17989	46.78	-7.22	54	43.94	43	17.02	57.18	-	-	A	V	
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 64 5320MHz		10640	55.37	-18.63	74	64.35	38.8	13.04	60.82	200	309	P	H	
		10640	44.72	-9.28	54	53.7	38.8	13.04	60.82	200	309	A	H	
		12005	50.06	-23.94	74	59	38.61	13.79	61.34	-	-	P	H	
		12005	41.27	-12.73	54	50.21	38.61	13.79	61.34	-	-	A	H	
		14491	50.15	-23.85	74	57.95	40.51	15.17	63.48	-	-	P	H	
		14491	41.36	-12.64	54	49.16	40.51	15.17	63.48	-	-	A	H	
		15960	47.23	-26.77	74	53.94	37.66	15.72	60.09	-	-	P	H	
		17989	55.46	-18.54	74	52.62	43	17.02	57.18	-	-	P	H	
		17989	46.67	-7.33	54	43.83	43	17.02	57.18	-	-	A	H	
														H
														H
														H
			10640	57.4	-16.6	74	66.38	38.8	13.04	60.82	198	354	P	V
			10640	46.9	-7.1	54	55.88	38.8	13.04	60.82	198	354	A	V
			11510	50.72	-23.28	74	59.18	38.78	13.52	60.76	-	-	P	V
			11510	41.93	-12.07	54	50.39	38.78	13.52	60.76	-	-	A	V
			14491	50.16	-23.84	74	57.96	40.51	15.17	63.48	-	-	P	V
			14491	41.37	-12.63	54	49.17	40.51	15.17	63.48	-	-	A	V
			15960	48.67	-25.33	74	55.38	37.66	15.72	60.09	204	325	P	V
			15960	38.81	-15.19	54	45.52	37.66	15.72	60.09	204	325	A	V
		17989	55.12	-18.88	74	52.28	43	17.02	57.18	-	-	P	V	
		17989	46.33	-7.67	54	43.49	43	17.02	57.18	-	-	A	V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. 													



Band 2 5250~5350MHz
WIFI 802.11n HT20 (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)
802.11n HT20 CH 52 5260MHz		5067.32	47.62	-26.38	74	42.71	32.9	8.94	36.93	258	352	P	H
		5102.68	37.29	-16.71	54	32.1	33.09	9.01	36.91	258	352	A	H
	*	5260	110.91	-	-	105.57	32.9	9.27	36.83	258	352	P	H
	*	5260	102.71	-	-	97.37	32.9	9.27	36.83	258	352	A	H
		5350.32	50.57	-23.43	74	45.28	32.7	9.37	36.78	258	352	P	H
		5424.72	40.92	-13.08	54	35.53	32.7	9.44	36.75	258	352	A	H
		5102.34	48.19	-25.81	74	43	33.09	9.01	36.91	387	288	P	V
		5103.7	36.8	-17.2	54	31.61	33.09	9.01	36.91	387	288	A	V
	*	5260	105.33	-	-	99.99	32.9	9.27	36.83	387	288	P	V
	*	5260	97.06	-	-	91.72	32.9	9.27	36.83	387	288	A	V
		5418.96	47.84	-26.16	74	42.45	32.7	9.44	36.75	387	288	P	V
		5421.84	38.03	-15.97	54	32.64	32.7	9.44	36.75	387	288	A	V
802.11n HT20 CH 60 5300MHz		5087.11	47.37	-26.63	74	41.92	33.2	8.98	36.73	319	6	P	H
		5146.32	36.7	-17.3	54	31.13	33.2	9.1	36.73	319	6	A	H
	*	5300	107.72	-	-	102.32	32.8	9.32	36.72	319	6	P	H
	*	5300	98.71	-	-	93.31	32.8	9.32	36.72	319	6	A	H
		5385.88	48.87	-25.13	74	43.21	32.97	9.41	36.72	319	6	P	H
		5385.54	39.55	-14.45	54	33.89	32.97	9.41	36.72	319	6	A	H
		5140.74	47.82	-26.18	74	42.27	33.2	9.08	36.73	254	26	P	V
		5084.01	36.56	-17.44	54	31.12	33.2	8.97	36.73	254	26	A	V
	*	5300	96.12	-	-	90.72	32.8	9.32	36.72	254	26	P	V
	*	5300	88.24	-	-	82.84	32.8	9.32	36.72	254	26	A	V
	5380.61	47.3	-26.7	74	41.65	32.96	9.41	36.72	254	26	P	V	
	5383.84	37.16	-16.84	54	31.5	32.97	9.41	36.72	254	26	A	V	



802.11n HT20 CH 64 5320MHz	*	5320	110.1	-	-	104.74	32.82	9.34	36.8	100	7	P	H
	*	5320	101.52	-	-	96.16	32.82	9.34	36.8	100	7	A	H
		5351.36	54.11	-19.89	74	48.82	32.7	9.37	36.78	100	7	P	H
		5405.44	44.05	-9.95	54	38.68	32.7	9.43	36.76	100	7	A	H
													H
													H
	*	5320	102.56	-	-	97.2	32.82	9.34	36.8	300	248	P	V
	*	5320	94.44	-	-	89.08	32.82	9.34	36.8	300	248	A	V
		5403.84	49.3	-24.7	74	43.93	32.7	9.43	36.76	300	248	P	V
		5404.48	39.7	-14.3	54	34.33	32.7	9.43	36.76	300	248	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	50.41	-17.79	68.2	59.7	38.48	12.97	60.74	-	-	P	H
		11378	51.09	-22.91	74	59.41	39.06	13.44	60.82	-	-	P	H
		11378	42.3	-11.7	54	50.62	39.06	13.44	60.82	-	-	A	H
		14480	51.16	-22.84	74	58.94	40.52	15.17	63.47	-	-	P	H
		14480	42.37	-11.63	54	50.15	40.52	15.17	63.47	-	-	A	H
		15780	48.28	-25.72	74	56.21	37.46	15.66	61.05	300	52	P	H
		15780	38.06	-15.94	54	45.99	37.46	15.66	61.05	300	52	A	H
		17989	56.1	-17.9	74	53.26	43	17.02	57.18	-	-	P	H
		17989	47.31	-6.69	54	44.47	43	17.02	57.18	-	-	A	H
													H
													H
													H
802.11n													
HT20													
CH 52													
5260MHz													
		10520	51.69	-16.51	68.2	60.98	38.48	12.97	60.74	-	-	P	V
		11433	50.65	-23.35	74	58.96	39	13.48	60.79	-	-	P	V
		11433	41.86	-12.14	54	50.17	39	13.48	60.79	-	-	A	V
		14480	50.67	-23.33	74	58.45	40.52	15.17	63.47	-	-	P	V
		14480	41.88	-12.12	54	49.66	40.52	15.17	63.47	-	-	A	V
		15780	48.65	-25.35	74	56.58	37.46	15.66	61.05	301	332	P	V
		15780	37.85	-16.15	54	45.78	37.46	15.66	61.05	301	332	A	V
		18000	56.42	-17.58	74	53.46	43.1	17.03	57.17	-	-	P	V
		18000	47.63	-6.37	54	44.67	43.1	17.03	57.17	-	-	A	V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	51.04	-22.96	74	59.81	39	13.02	60.79	211	320	P	H
		10600	42.34	-11.66	54	51.11	39	13.02	60.79	211	320	A	H
		11829	48.55	-25.45	74	57.2	38.79	13.7	61.14	-	-	P	H
		11829	38.54	-15.46	54	47.19	38.79	13.7	61.14	-	-	A	H
		14491	48.18	-25.82	74	56.49	40	15.17	63.48	-	-	P	H
		14491	39.02	-14.98	54	47.33	40	15.17	63.48	-	-	A	H
		15900	45.3	-28.7	74	52.51	37.5	15.7	60.41	-	-	P	H
		17978	51.86	-22.14	74	50.73	41.31	17.02	57.2	-	-	P	H
		17978	42.01	-11.99	54	40.88	41.31	17.02	57.2	-	-	A	H
													H
													H
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802.11n													
HT20													
CH 60		10600	53.1	-20.9	74	61.87	39	13.02	60.79	218	353	P	V
5300MHz		10600	44.94	-9.06	54	53.71	39	13.02	60.79	218	353	A	V
		12049	48.76	-25.24	74	57.11	39.2	13.82	61.37	-	-	P	V
		12049	38.61	-15.39	54	46.96	39.2	13.82	61.37	-	-	A	V
		14491	48.2	-25.8	74	56.51	40	15.17	63.48	-	-	P	V
		14491	38.58	-15.42	54	46.89	40	15.17	63.48	-	-	A	V
		15900	46.87	-27.13	74	54.08	37.5	15.7	60.41	-	-	P	V
		18000	52.44	-21.56	74	51.18	41.4	17.03	57.17	-	-	P	V
		18000	42.11	-11.89	54	40.85	41.4	17.03	57.17	-	-	A	V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	53.34	-20.66	74	62.08	39.04	13.04	60.82	209	310	P	H
		10640	42.29	-11.71	54	51.03	39.04	13.04	60.82	209	310	A	H
		12313	48.85	-25.15	74	57.16	39.26	13.98	61.55	-	-	P	H
		12313	40.06	-13.94	54	48.37	39.26	13.98	61.55	-	-	A	H
		14480	47.25	-26.75	74	55.55	40	15.17	63.47	-	-	P	H
		14480	38.46	-15.54	54	46.76	40	15.17	63.47	-	-	A	H
		15960	43.96	-30.04	74	50.83	37.5	15.72	60.09	-	-	P	H
		17989	52.31	-21.69	74	51.11	41.36	17.02	57.18	-	-	P	H
		17989	43.52	-10.48	54	42.32	41.36	17.02	57.18	-	-	A	H
													H
													H
													H
802.11n HT20 CH 64 5320MHz		10640	53.33	-20.67	74	62.07	39.04	13.04	60.82	236	352	P	V
		10640	43.12	-10.88	54	51.86	39.04	13.04	60.82	236	352	A	V
		12258	48.76	-25.24	74	57.03	39.3	13.95	61.52	-	-	P	V
		12258	39.97	-14.03	54	48.24	39.3	13.95	61.52	-	-	A	V
		14480	46.56	-27.44	74	54.86	40	15.17	63.47	-	-	P	V
		14480	37.77	-16.23	54	46.07	40	15.17	63.47	-	-	A	V
		15960	44.85	-29.15	74	51.72	37.5	15.72	60.09	-	-	P	V
		17813	51.19	-22.81	74	51.48	40.22	16.91	57.42	-	-	P	V
		17813	42.4	-11.6	54	42.69	40.22	16.91	57.42	-	-	A	V
													V
													V
													V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. 												



Band 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		5459.76	50.58	-23.42	74	44.84	33	9.46	36.72	265	5	P	H	
		5469.04	54.5	-13.7	68.2	48.76	33	9.46	36.72	265	5	P	H	
		5459.44	41.82	-12.18	54	36.08	33	9.46	36.72	265	5	A	H	
	*	5500	107.81	-	-	102.05	33	9.48	36.72	265	5	P	H	
	*	5500	99.52	-	-	93.76	33	9.48	36.72	265	5	A	H	
														H
			5460	49.18	-24.82	74	43.44	33	9.46	36.72	400	282	P	V
			5466.32	51.22	-16.98	68.2	45.48	33	9.46	36.72	400	282	P	V
			5459.92	39.14	-14.86	54	33.4	33	9.46	36.72	400	282	A	V
	*		5500	102.8	-	-	97.04	33	9.48	36.72	400	282	P	V
	*		5500	95.18	-	-	89.42	33	9.48	36.72	400	282	A	V
														V
802.11a CH 116 5580MHz		5398.24	48.76	-25.24	74	43.05	33	9.43	36.72	256	358	P	H	
		5460.4	47.61	-20.59	68.2	41.87	33	9.46	36.72	256	358	P	H	
		5422	38.18	-15.82	54	32.46	33	9.44	36.72	256	358	A	H	
	*	5580	108.86	-	-	103.11	32.96	9.51	36.72	256	358	P	H	
	*	5580	100.73	-	-	94.98	32.96	9.51	36.72	256	358	A	H	
			5758.7	48.55	-19.65	68.2	41.64	34.03	9.59	36.71	256	358	P	H
			5459.2	47.87	-26.13	74	42.13	33	9.46	36.72	400	284	P	V
			5465.2	47.74	-20.46	68.2	42	33	9.46	36.72	400	284	P	V
			5459.68	37.33	-16.67	54	31.59	33	9.46	36.72	400	284	A	V
	*		5580	104.42	-	-	98.67	32.96	9.51	36.72	400	284	P	V
	*		5580	96.55	-	-	90.8	32.96	9.51	36.72	400	284	A	V
			5738.855	47.89	-20.31	68.2	41.1	33.93	9.58	36.72	400	284	P	V



802.11a CH 140 5700MHz	*	5700	107.5	-	-	100.95	33.7	9.57	36.72	264	347	P	H
	*	5700	98.45	-	-	91.9	33.7	9.57	36.72	264	347	A	H
		5725	56.23	-11.97	68.2	49.52	33.85	9.58	36.72	264	347	P	H
													H
													H
													H
	*	5700	101.95	-	-	95.4	33.7	9.57	36.72	400	282	P	V
	*	5700	93.42	-	-	86.87	33.7	9.57	36.72	400	282	A	V
		5725	51.74	-16.46	68.2	45.03	33.85	9.58	36.72	400	282	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	61.07	-12.93	74	70.28	38.6	13.23	61.04	100	306	P	H
		11000	49.93	-4.07	54	59.14	38.6	13.23	61.04	100	306	A	H
		12192	50.28	-23.72	74	58.95	38.9	13.9	61.47	-	-	P	H
		12192	41.49	-12.51	54	50.16	38.9	13.9	61.47	-	-	A	H
		14491	50.62	-23.38	74	58.42	40.51	15.17	63.48	-	-	P	H
		14491	41.83	-12.17	54	49.63	40.51	15.17	63.48	-	-	A	H
		16500	48.91	-19.29	68.2	53.18	38.6	16.06	58.93	-	-	P	H
		17967	55.05	-18.95	74	52.45	42.8	17.01	57.21	-	-	P	H
		17967	46.26	-7.74	54	43.66	42.8	17.01	57.21	-	-	A	H
													H
													H
													H
802.11a													
CH 100													
5500MHz		11000	61.82	-12.18	74	71.03	38.6	13.23	61.04	102	120	P	V
		11000	50.48	-3.52	54	59.69	38.6	13.23	61.04	102	120	A	V
		12599	50.3	-23.7	74	59.03	38.8	14.14	61.67	-	-	P	V
		12599	41.51	-12.49	54	50.24	38.8	14.14	61.67	-	-	A	V
		14480	50.46	-23.54	74	58.24	40.52	15.17	63.47	-	-	P	V
		14480	41.67	-12.33	54	49.45	40.52	15.17	63.47	-	-	A	V
		16500	49.05	-19.15	68.2	53.32	38.6	16.06	58.93	-	-	P	V
		17978	55.55	-18.45	74	52.83	42.9	17.02	57.2	-	-	P	V
		17978	46.76	-7.24	54	44.04	42.9	17.02	57.2	-	-	A	V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 116 5580MHz		11160	60.96	-13.04	74	69.87	38.72	13.32	60.95	100	306	P	H	
		11160	48.86	-5.14	54	57.77	38.72	13.32	60.95	100	306	A	H	
		12060	51.16	-22.84	74	59.94	38.78	13.82	61.38	-	-	P	H	
		12060	42.37	-11.63	54	51.15	38.78	13.82	61.38	-	-	A	H	
		14480	50.57	-23.43	74	58.35	40.52	15.17	63.47	-	-	P	H	
		14480	41.78	-12.22	54	49.56	40.52	15.17	63.47	-	-	A	H	
		16740	49.5	-18.7	68.2	53.85	38.24	16.22	58.81	-	-	P	H	
		18000	56.12	-17.88	74	53.16	43.1	17.03	57.17	-	-	P	H	
		18000	47.33	-6.67	54	44.37	43.1	17.03	57.17	-	-	A	H	
														H
														H
														H
			11160	60.63	-13.37	74	69.54	38.72	13.32	60.95	212	36	P	V
			11160	50.49	-3.51	54	59.4	38.72	13.32	60.95	212	36	A	V
			12687	50.73	-23.27	74	59.22	38.97	14.21	61.67	-	-	P	V
			12687	41.94	-12.06	54	50.43	38.97	14.21	61.67	-	-	A	V
			14480	50.49	-23.51	74	58.27	40.52	15.17	63.47	-	-	P	V
			14480	41.7	-12.3	54	49.48	40.52	15.17	63.47	-	-	A	V
			16740	49.91	-18.29	68.2	54.26	38.24	16.22	58.81	-	-	P	V
			17989	55.41	-18.59	74	52.57	43	17.02	57.18	-	-	P	V
		17989	46.62	-7.38	54	43.78	43	17.02	57.18	-	-	A	V	
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 140 5700MHz		11400	58.51	-15.49	74	66.77	39.1	13.45	60.81	200	133	P	H	
		11400	47.92	-6.08	54	56.18	39.1	13.45	60.81	200	133	A	H	
		12698	50.72	-23.28	74	59.18	39	14.21	61.67	-	-	P	H	
		12698	41.93	-12.07	54	50.39	39	14.21	61.67	-	-	A	H	
		14480	49.92	-24.08	74	57.7	40.52	15.17	63.47	-	-	P	H	
		14480	41.13	-12.87	54	48.91	40.52	15.17	63.47	-	-	A	H	
		17100	49.57	-18.63	68.2	53.73	37.9	16.45	58.51	-	-	P	H	
		17989	55.37	-18.63	74	52.53	43	17.02	57.18	-	-	P	H	
		17989	46.58	-7.42	54	43.74	43	17.02	57.18	-	-	A	H	
														H
														H
														H
			11400	62.91	-11.09	74	71.17	39.1	13.45	60.81	206	36	P	V
			11400	51.78	-2.22	54	60.04	39.1	13.45	60.81	206	36	A	V
			11873	50.31	-23.69	74	59.23	38.55	13.72	61.19	-	-	P	V
			11873	41.52	-12.48	54	50.44	38.55	13.72	61.19	-	-	A	V
			14491	49.94	-24.06	74	57.74	40.51	15.17	63.48	-	-	P	V
			14491	41.15	-12.85	54	48.95	40.51	15.17	63.48	-	-	A	V
			17100	50.06	-18.14	68.2	54.22	37.9	16.45	58.51	-	-	P	V
			17989	54.9	-19.1	74	52.06	43	17.02	57.18	-	-	P	V
		17989	46.11	-7.89	54	43.27	43	17.02	57.18	-	-	A	V	
													V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. 													



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (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)	
802.11n HT20 CH 100 5500MHz		5460.08	52.44	-15.76	68.2	46.99	32.72	9.46	36.73	266	359	P	H	
		5469.2	56.86	-11.34	68.2	51.39	32.74	9.46	36.73	266	359	P	H	
		5460	42.32	-11.68	54	36.87	32.72	9.46	36.73	266	359	A	H	
	*	5500	108.23	-	-	102.66	32.8	9.48	36.71	266	359	P	H	
	*	5500	99.69	-	-	94.12	32.8	9.48	36.71	266	359	A	H	
														H
			5457.04	48.07	-25.93	74	42.63	32.71	9.46	36.73	240	247	P	V
			5468.4	49.48	-18.72	68.2	44.01	32.74	9.46	36.73	240	247	P	V
			5460	38.39	-15.61	54	32.94	32.72	9.46	36.73	240	247	A	V
	*		5500	100.8	-	-	95.23	32.8	9.48	36.71	240	247	P	V
	*		5500	92.18	-	-	86.61	32.8	9.48	36.71	240	247	A	V
													V	
802.11n HT20 CH 116 5580MHz		5414.56	48.25	-25.75	74	42.53	33	9.44	36.72	258	357	P	H	
		5460.64	47.78	-20.42	68.2	42.04	33	9.46	36.72	258	357	P	H	
		5413.6	38.03	-15.97	54	32.31	33	9.44	36.72	258	357	A	H	
	*	5580	108.79	-	-	103.04	32.96	9.51	36.72	258	357	P	H	
	*	5580	100.23	-	-	94.48	32.96	9.51	36.72	258	357	A	H	
			5747.675	48.73	-19.47	68.2	41.87	33.99	9.59	36.72	258	357	P	H
			5373.52	47.87	-26.13	74	42.24	32.95	9.4	36.72	400	286	P	V
			5465.44	48.13	-20.07	68.2	42.39	33	9.46	36.72	400	286	P	V
			5459.92	37.35	-16.65	54	31.61	33	9.46	36.72	400	286	A	V
	*		5580	104.67	-	-	98.92	32.96	9.51	36.72	400	286	P	V
	*		5580	96.38	-	-	90.63	32.96	9.51	36.72	400	286	A	V
		5729.72	49.37	-18.83	68.2	42.63	33.88	9.58	36.72	400	286	P	V	



802.11n HT20 CH 140 5700MHz	*	5700	108.12	-	-	101.57	33.7	9.57	36.72	247	348	P	H
	*	5700	100.05	-	-	93.5	33.7	9.57	36.72	247	348	A	H
		5725.7	59.56	-8.64	68.2	52.85	33.85	9.58	36.72	247	348	P	H
													H
													H
													H
	*	5700	104.55	-	-	98	33.7	9.57	36.72	384	274	P	V
	*	5700	96.18	-	-	89.63	33.7	9.57	36.72	384	274	A	V
		5726.225	54.86	-13.34	68.2	48.14	33.86	9.58	36.72	384	274	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (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)	
802.11n HT20 CH 100 5500MHz		11000	61.62	-12.38	74	70.83	38.6	13.23	61.04	100	305	P	H	
		11000	50.2	-3.8	54	59.41	38.6	13.23	61.04	100	305	A	H	
		12104	50.48	-23.52	74	59.14	38.9	13.85	61.41	-	-	P	H	
		12104	41.69	-12.31	54	50.35	38.9	13.85	61.41	-	-	A	H	
		14491	50.02	-23.98	74	57.82	40.51	15.17	63.48	-	-	P	H	
		14491	41.23	-12.77	54	49.03	40.51	15.17	63.48	-	-	A	H	
		16500	49.46	-18.74	68.2	53.73	38.6	16.06	58.93	-	-	P	H	
		17989	55.27	-18.73	74	52.43	43	17.02	57.18	-	-	P	H	
		17989	46.48	-7.52	54	43.64	43	17.02	57.18	-	-	A	H	
														H
														H
														H
			11000	62.4	-11.6	74	71.61	38.6	13.23	61.04	100	118	P	V
			11000	50.44	-3.56	54	59.65	38.6	13.23	61.04	100	118	A	V
			12313	50.07	-23.93	74	58.85	38.79	13.98	61.55	-	-	P	V
			12313	41.28	-12.72	54	50.06	38.79	13.98	61.55	-	-	A	V
			14491	50.65	-23.35	74	58.45	40.51	15.17	63.48	-	-	P	V
			14491	41.86	-12.14	54	49.66	40.51	15.17	63.48	-	-	A	V
		16500	49.9	-18.3	68.2	54.17	38.6	16.06	58.93	-	-	P	V	
		17989	55.93	-18.07	74	53.09	43	17.02	57.18	-	-	P	V	
		17989	47.14	-6.86	54	44.3	43	17.02	57.18	-	-	A	V	
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 116 5580MHz		11160	59.63	-14.37	74	68.54	38.72	13.32	60.95	214	133	P	H	
		11160	47.96	-6.04	54	56.87	38.72	13.32	60.95	214	133	A	H	
		12258	50.07	-23.93	74	58.8	38.84	13.95	61.52	-	-	P	H	
		12258	41.28	-12.72	54	50.01	38.84	13.95	61.52	-	-	A	H	
		14480	50.28	-23.72	74	58.06	40.52	15.17	63.47	-	-	P	H	
		14480	41.49	-12.51	54	49.27	40.52	15.17	63.47	-	-	A	H	
		16740	49.4	-18.8	68.2	53.75	38.24	16.22	58.81	-	-	P	H	
		17978	54.55	-19.45	74	51.83	42.9	17.02	57.2	-	-	P	H	
		17978	45.76	-8.24	54	43.04	42.9	17.02	57.2	-	-	A	H	
														H
														H
														H
			11160	62.28	-11.72	74	71.19	38.72	13.32	60.95	213	35	P	V
			11160	50.41	-3.59	54	59.32	38.72	13.32	60.95	213	35	A	V
			12335	51.46	-22.54	74	60.28	38.76	13.99	61.57	-	-	P	V
			12335	42.67	-11.33	54	51.49	38.76	13.99	61.57	-	-	A	V
			14491	50.35	-23.65	74	58.15	40.51	15.17	63.48	-	-	P	V
			14491	41.56	-12.44	54	49.36	40.51	15.17	63.48	-	-	A	V
			16740	49.39	-18.81	68.2	53.74	38.24	16.22	58.81	-	-	P	V
		17989	55.27	-18.73	74	52.43	43	17.02	57.18	-	-	P	V	
		17989	46.48	-7.52	54	43.64	43	17.02	57.18	-	-	A	V	
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 140 5700MHz		11400	55.42	-18.58	74	63.68	39.1	13.45	60.81	201	134	P	H	
		11400	44.46	-9.54	54	52.72	39.1	13.45	60.81	201	134	A	H	
		12346	50.24	-23.76	74	59.07	38.75	14	61.58	-	-	P	H	
		12346	41.45	-12.55	54	50.28	38.75	14	61.58	-	-	A	H	
		14491	49.86	-24.14	74	57.66	40.51	15.17	63.48	-	-	P	H	
		14491	41.07	-12.93	54	48.87	40.51	15.17	63.48	-	-	A	H	
		17100	50.02	-18.18	68.2	54.18	37.9	16.45	58.51	-	-	P	H	
		17989	55.29	-18.71	74	52.45	43	17.02	57.18	-	-	P	H	
		17989	46.5	-7.5	54	43.66	43	17.02	57.18	-	-	A	H	
														H
														H
														H
			11400	61.55	-12.45	74	69.81	39.1	13.45	60.81	207	34	P	V
			11400	51.31	-2.69	54	59.57	39.1	13.45	60.81	207	34	A	V
			12049	50.26	-23.74	74	59.06	38.75	13.82	61.37	-	-	P	V
			12049	41.47	-12.53	54	50.27	38.75	13.82	61.37	-	-	A	V
			14480	50	-24	74	57.78	40.52	15.17	63.47	-	-	P	V
			14480	41.21	-12.79	54	48.99	40.52	15.17	63.47	-	-	A	V
			17100	50.53	-17.67	68.2	54.69	37.9	16.45	58.51	-	-	P	V
		17989	55.59	-18.41	74	52.75	43	17.02	57.18	-	-	P	V	
		17989	46.8	-7.2	54	43.96	43	17.02	57.18	-	-	A	V	
													V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. 													



Band 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		5387.62	46.86	-27.14	74	41.18	32.98	9.42	36.72	269	349	P	H
		5466.28	46.53	-21.67	68.2	40.79	33	9.46	36.72	269	349	P	H
		5459.82	37.89	-16.11	54	32.15	33	9.46	36.72	269	349	A	H
	*	5720	109.67	-	-	103	33.82	9.57	36.72	269	349	P	H
	*	5720	101.47	-	-	94.8	33.82	9.57	36.72	269	349	A	H
		5887.34	49.72	-18.48	68.2	42.43	34.27	9.73	36.71	269	349	P	H
		5361.78	47.01	-26.99	74	41.42	32.92	9.39	36.72	350	285	P	V
		5466.28	45.68	-22.52	68.2	39.94	33	9.46	36.72	350	285	P	V
		5392.18	36.85	-17.15	54	31.17	32.98	9.42	36.72	350	285	A	V
	*	5720	105.18	-	-	98.51	33.82	9.57	36.72	350	285	P	V
	*	5720	97.37	-	-	90.7	33.82	9.57	36.72	350	285	A	V
		5895.4	48.12	-20.08	68.2	40.8	34.29	9.74	36.71	350	285	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	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	55.46	-18.54	74	63.78	38.98	13.48	60.78	199	133	P	H	
		11440	44.33	-9.67	54	52.65	38.98	13.48	60.78	199	133	A	H	
		12115	50.29	-23.71	74	58.95	38.9	13.86	61.42	-	-	P	H	
		12115	41.5	-12.5	54	50.16	38.9	13.86	61.42	-	-	A	H	
		14491	51.2	-22.8	74	59	40.51	15.17	63.48	-	-	P	H	
		14491	42.41	-11.59	54	50.21	40.51	15.17	63.48	-	-	A	H	
		17160	51.13	-17.07	68.2	55.16	37.9	16.48	58.41	-	-	P	H	
		18000	55.37	-18.63	74	52.41	43.1	17.03	57.17	-	-	P	H	
		18000	46.58	-7.42	54	43.62	43.1	17.03	57.17	-	-	A	H	
														H
														H
														H
			11440	62.44	-11.56	74	70.76	38.98	13.48	60.78	205	35	P	V
			11440	51.15	-2.85	54	59.47	38.98	13.48	60.78	205	35	A	V
			12104	50.41	-23.59	74	59.07	38.9	13.85	61.41	-	-	P	V
			12104	41.62	-12.38	54	50.28	38.9	13.85	61.41	-	-	A	V
			14480	50.83	-23.17	74	58.61	40.52	15.17	63.47	-	-	P	V
			14480	42.04	-11.96	54	49.82	40.52	15.17	63.47	-	-	A	V
			17160	51.97	-16.23	68.2	56	37.9	16.48	58.41	-	-	P	V
			17989	55.21	-18.79	74	52.37	43	17.02	57.18	-	-	P	V
		17989	46.42	-7.58	54	43.58	43	17.02	57.18	-	-	A	V	
													V	
													V	
													V	

Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only.
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**Band 3 - Straddle Channel
WIFI 802.11n HT20 (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)
802.11n HT20 CH 144 5720MHz		5416.69	48.78	-25.22	74	43.39	32.7	9.44	36.75	261	350	P	H
		5469.73	47.03	-21.17	68.2	41.56	32.74	9.46	36.73	261	350	P	H
		5392.9	38.72	-15.28	54	33.36	32.7	9.42	36.76	261	350	A	H
	*	5720	106.35	-	-	100.43	33.22	9.57	36.87	261	350	P	H
	*	5720	98.24	-	-	92.32	33.22	9.57	36.87	261	350	A	H
		5926.6	48.63	-19.57	68.2	41.87	34	9.78	37.02	261	350	P	H
		5450.62	47.57	-26.43	74	42.15	32.7	9.45	36.73	400	273	P	V
		5463.1	47.49	-20.71	68.2	42.03	32.73	9.46	36.73	400	273	P	V
		5459.2	37.29	-16.71	54	31.84	32.72	9.46	36.73	400	273	A	V
	*	5720	102.89	-	-	96.97	33.22	9.57	36.87	400	273	P	V
	*	5720	93.6	-	-	87.68	33.22	9.57	36.87	400	273	A	V
		5859.78	48.74	-19.46	68.2	42.1	33.92	9.69	36.97	400	273	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT20 (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)
		10751	48.47	-25.53	74	57.21	39.05	13.1	60.89	-	-	P	H
		10751	37.92	-16.08	54	46.66	39.05	13.1	60.89	-	-	A	H
		11440	52.35	-21.65	74	60.65	39	13.48	60.78	198	132	P	H
		11440	44.01	-9.99	54	52.31	39	13.48	60.78	198	132	A	H
		14491	48.3	-25.7	74	56.61	40	15.17	63.48	-	-	P	H
		14491	38.07	-15.93	54	46.38	40	15.17	63.48	-	-	A	H
		17160	49.6	-18.6	68.2	53.57	37.96	16.48	58.41	-	-	P	H
		17978	52.45	-21.55	74	51.32	41.31	17.02	57.2	-	-	P	H
		17978	41.19	-12.81	54	40.06	41.31	17.02	57.2	-	-	A	H
													H
													H
													H
802.11n													
HT20													
CH 144		10773	48.25	-25.75	74	57.01	39.03	13.11	60.9	-	-	P	V
5720MHz		10773	37.82	-16.18	54	46.58	39.03	13.11	60.9	-	-	A	V
		11440	55.04	-18.96	74	63.34	39	13.48	60.78	204	34	P	V
		11440	47.12	-6.88	54	55.42	39	13.48	60.78	204	34	A	V
		14491	48.39	-25.61	74	56.7	40	15.17	63.48	-	-	P	V
		14491	38.51	-15.49	54	46.82	40	15.17	63.48	-	-	A	V
		17160	50.85	-17.35	68.2	54.82	37.96	16.48	58.41	-	-	P	V
		17978	52.26	-21.74	74	51.13	41.31	17.02	57.2	-	-	P	V
		17978	41.24	-12.76	54	40.11	41.31	17.02	57.2	-	-	A	V
													V
													V
													V

Remark

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



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)
802.11a SHF		23520	42.87	-31.13	74	60.39	38.8	-2.33	53.99	-	-	P	H
		35708	47.59	-26.41	74	64.76	42.5	-0.87	58.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			23592	43.45	-30.55	74	60.92	38.8	-2.31	53.96	-	-	P
		39869.5	47.4	-26.6	74	59.03	44.5	-0.17	55.96	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

- No other spurious found.
- All results are PASS against limit line.
- 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 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 LF		30	25.5	-14.5	40	33.03	24.3	0.64	32.47	-	-	P	H	
		51.34	22.89	-17.11	40	40.94	13.6	0.92	32.57	-	-	P	H	
		147.37	26.49	-17.01	43.5	40.3	17.1	1.57	32.48	-	-	P	H	
		183.26	27.55	-15.95	43.5	43.7	14.71	1.62	32.48	-	-	P	H	
		248.25	25.6	-20.4	46	37.97	18.1	1.98	32.45	-	-	P	H	
		708.03	32.63	-13.37	46	35.44	26.37	3.2	32.38	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
														H
														H
			30	33.13	-6.87	40	40.66	24.3	0.64	32.47	-	-	P	V
			58.13	32.5	-7.5	40	52.28	11.82	0.95	32.55	-	-	P	V
			145.43	28.25	-15.25	43.5	41.96	17.22	1.56	32.49	-	-	P	V
		182.29	29.64	-13.86	43.5	45.74	14.76	1.62	32.48	-	-	P	V	
		245.34	28.4	-17.6	46	41.15	17.74	1.96	32.45	-	-	P	V	
		890.39	34.6	-11.4	46	33.82	28.75	3.63	31.6	-	-	P	V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against limit line. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only. 													



Note symbol

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



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		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 36		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
5180MHz													

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Marrgin(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. Marrgin (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. Marrgin (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 :	Leo Lee and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%

Note symbol

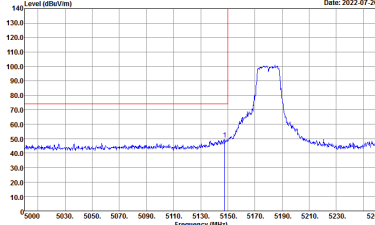
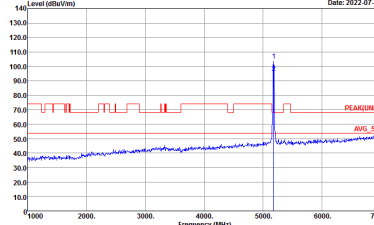
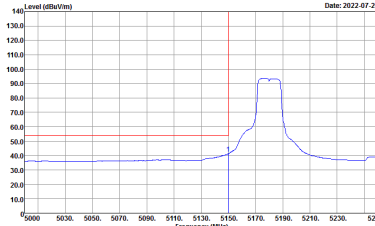
-L	Low channel location
-R	High channel location



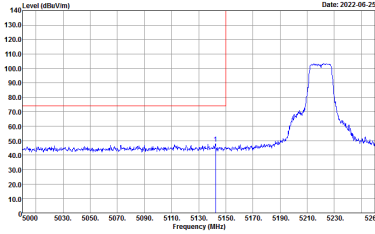
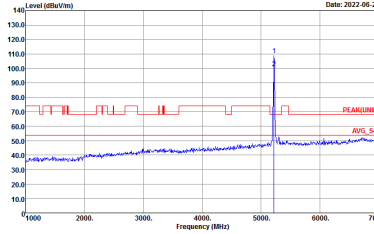
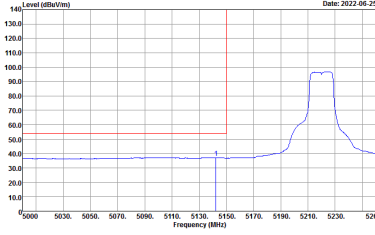
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

Table with 2 columns (WIFI, ANT) and 2 rows (Peak, Avg.). The table contains spectral analysis plots for 'Horizontal' and 'Fundamental' views. The 'Peak' row shows a peak at 5180MHz in the horizontal view and a peak at 5180MHz in the fundamental view. The 'Avg.' row shows an average signal in the horizontal view and a 'Left blank' in the fundamental view.

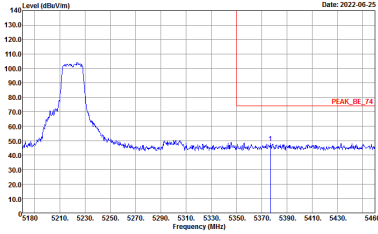
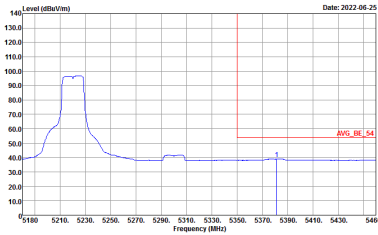


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

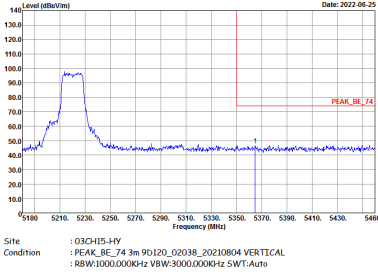
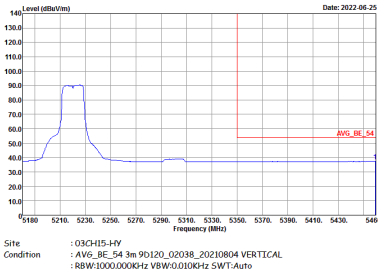


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3.010KHz SWF:Auto</p>	Left blank

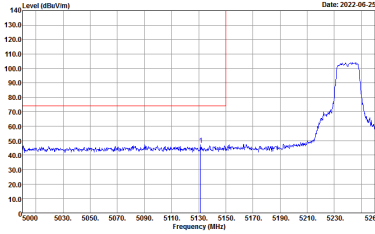
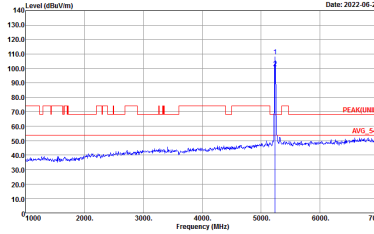
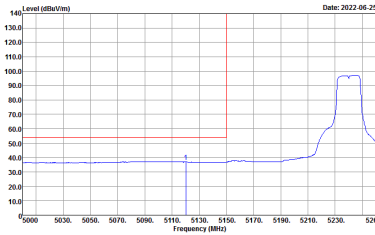


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

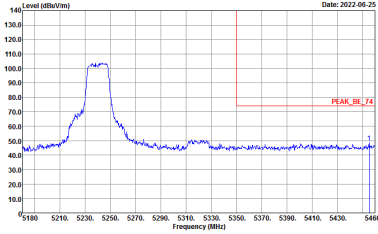
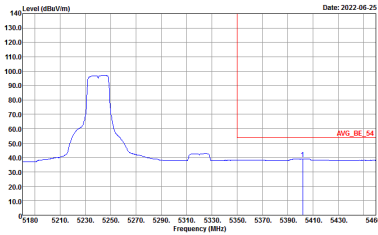


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

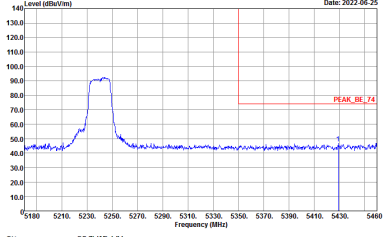
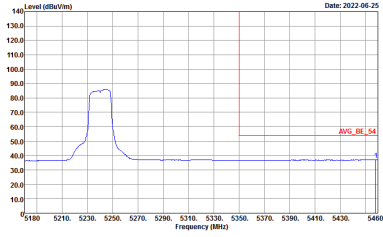


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3.010KHz SWF:Auto</p>	Left blank



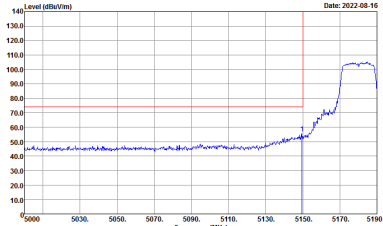
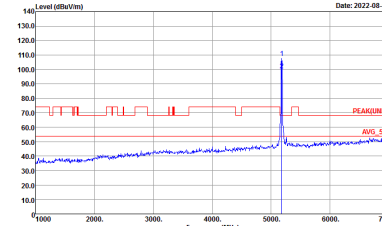
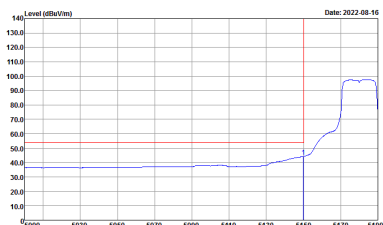
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



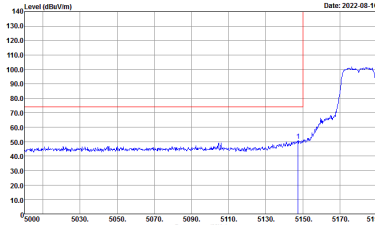
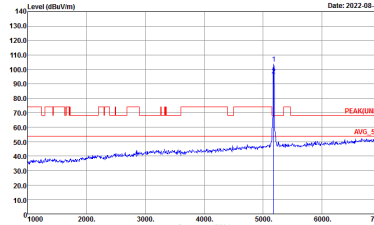
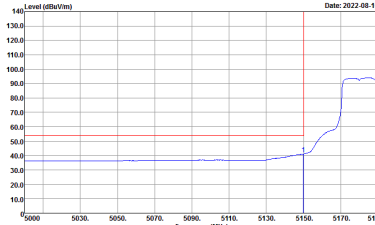
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



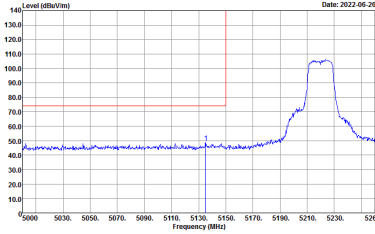
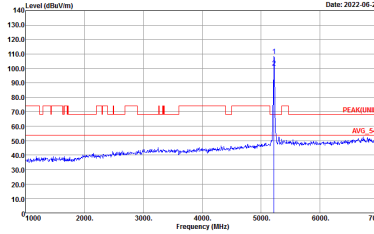
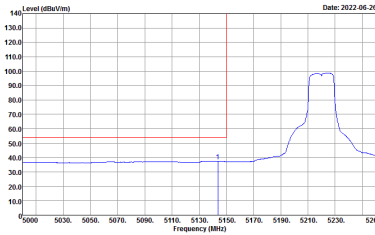
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank

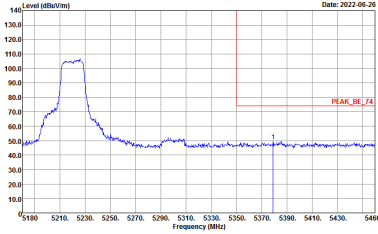
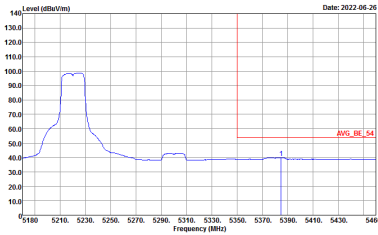


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LIMB) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

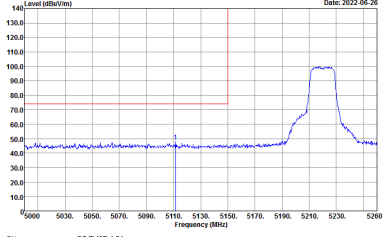
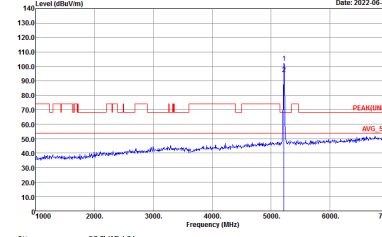
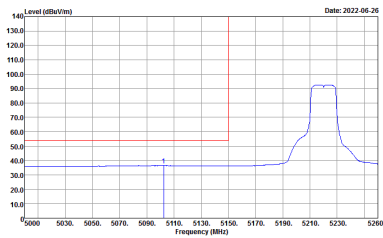


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3.010KHz SWT:Auto</p>	Left blank

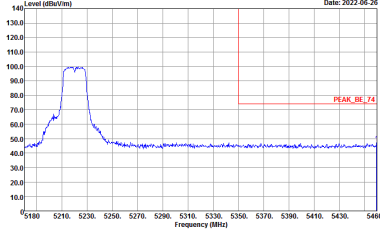
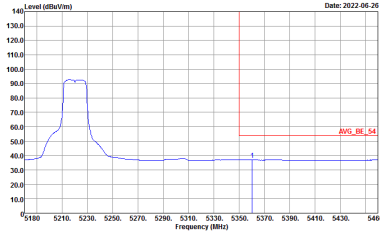


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3.010KHz SWF:Auto</p>	Left blank

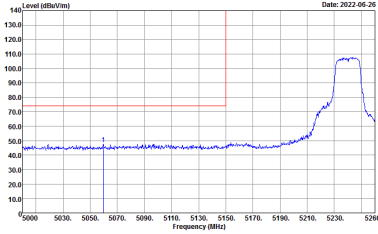
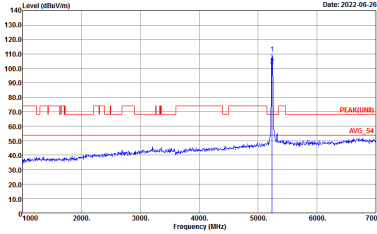
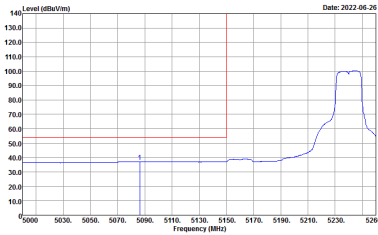


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3.010KHz SWT:Auto</p>	Left blank

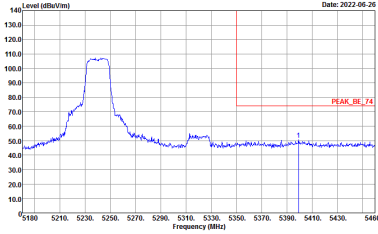
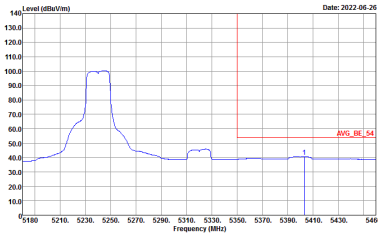


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3.010KHz SWF:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

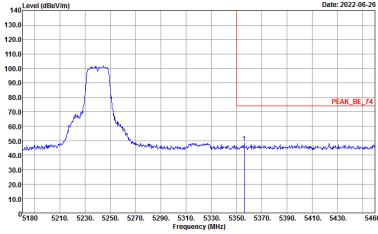
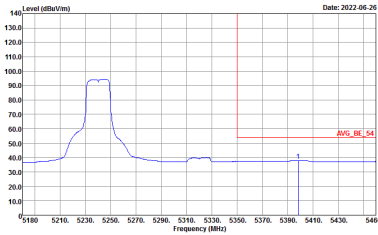


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3.010KHz SWF:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3.010KHz SWF:Auto</p>	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.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 90120_02038_20210804 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 VERTICAL</p>



Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9D120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9D120_02038_20210804 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 VERTICAL</p>



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	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(FUND) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank

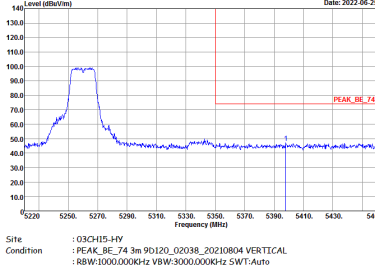
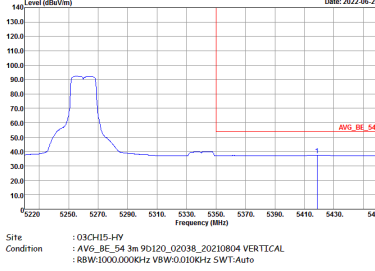


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3.010KHz SWF:Auto</p>	Left blank

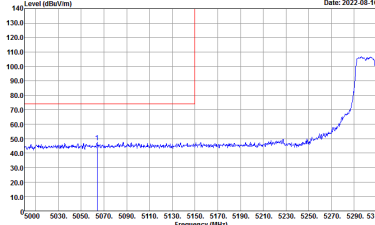
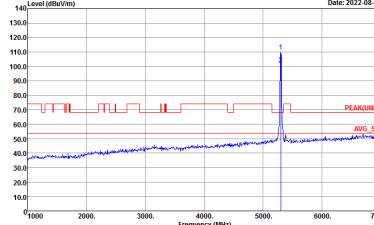
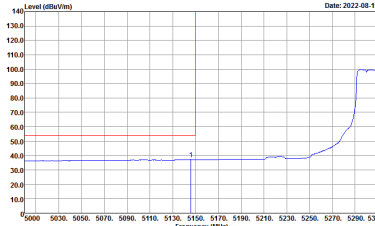


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

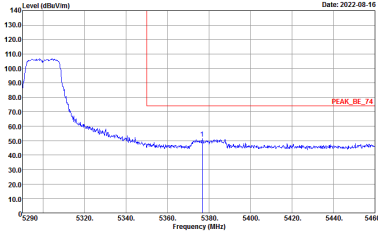
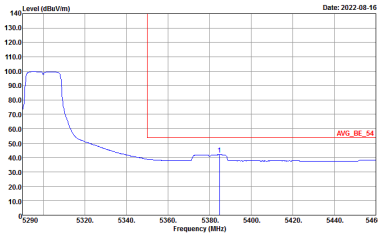


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank

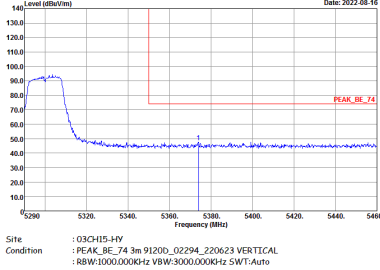
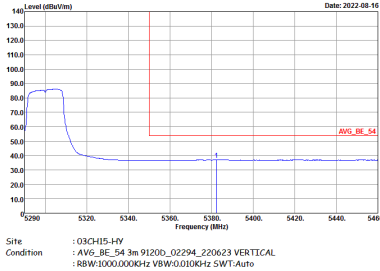


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWF:Auto</p>	Left blank

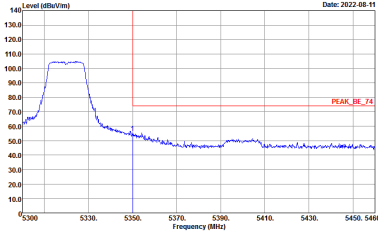
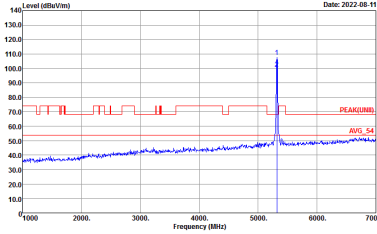
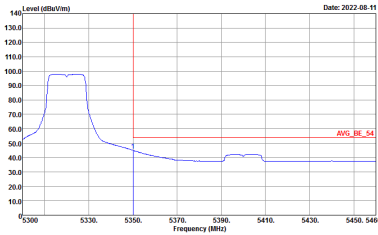


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	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	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



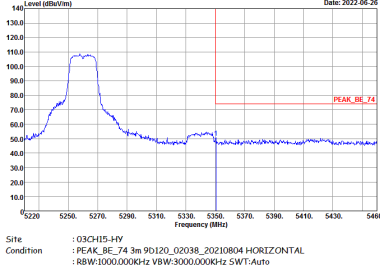
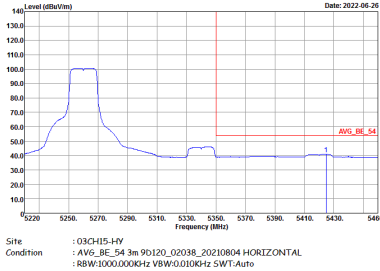
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



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	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9D120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 9D120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9D120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank

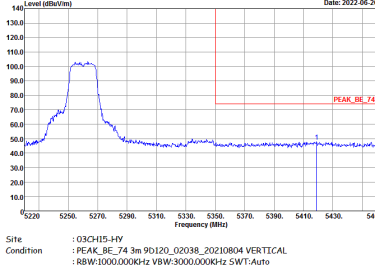
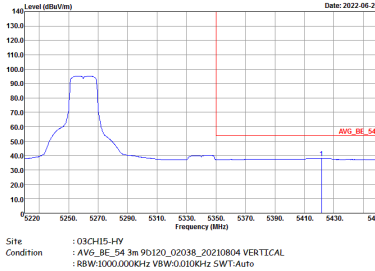


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

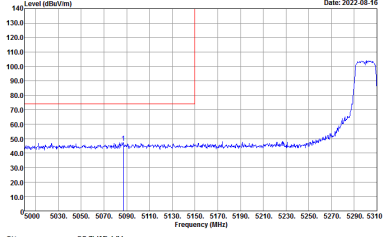
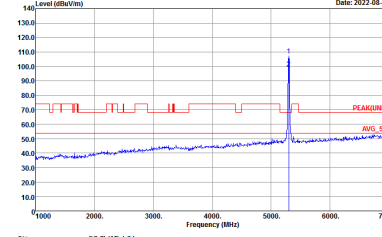
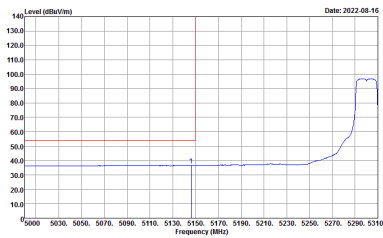


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



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



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank

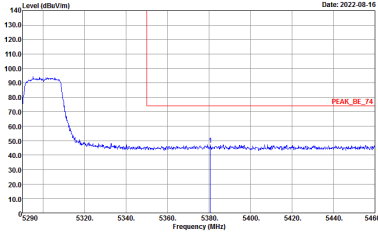
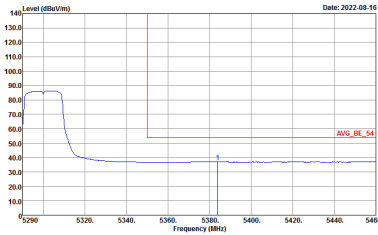


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWF:Auto</p>	Left blank

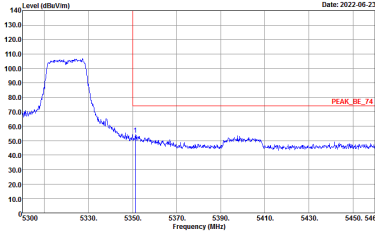
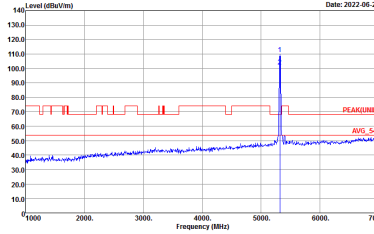
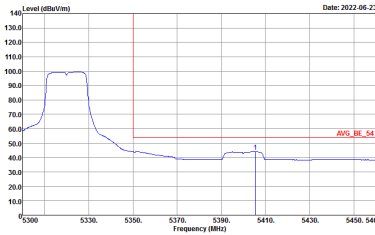


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank

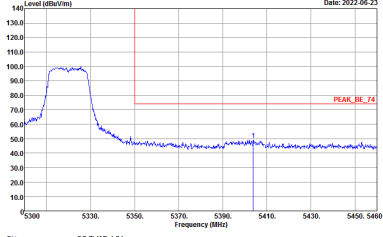
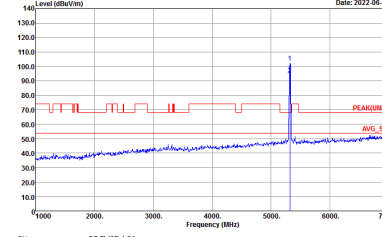
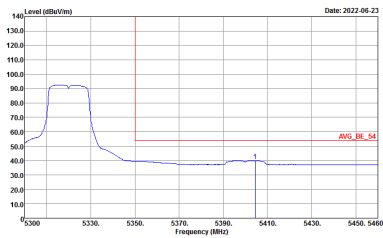


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWF:Auto</p>	Left blank



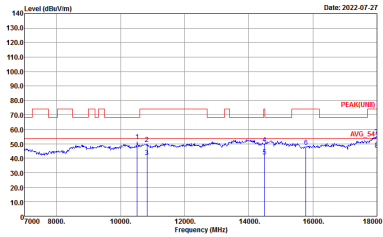
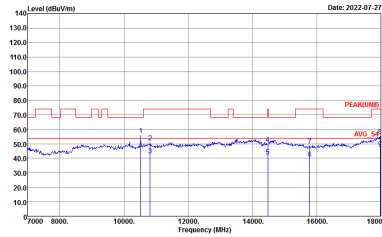
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	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
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 90120_02038_20210804 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 90120_02038_20210804 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 VERTICAL</p>



Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9D120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9D120_02038_20210804 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 VERTICAL</p>



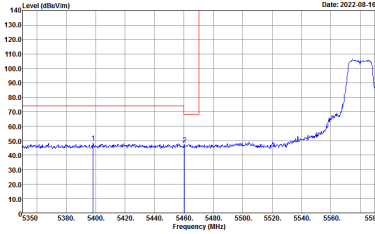
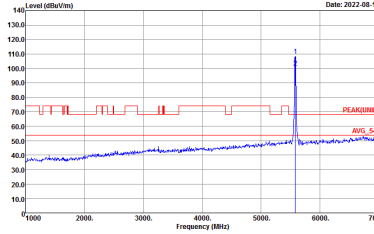
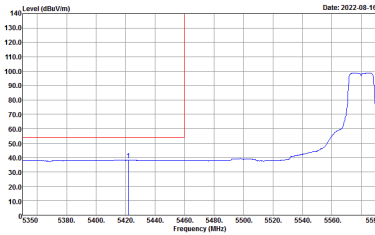
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank

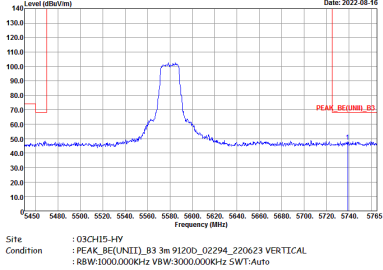


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : DACH15-3-FV Condition : PEAK_REC(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank

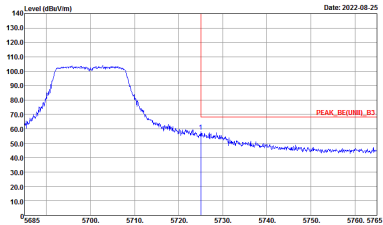
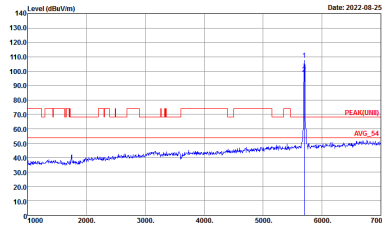


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	Left blank



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



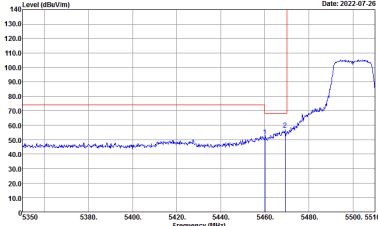
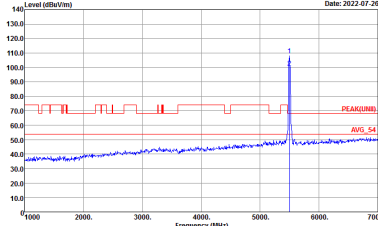
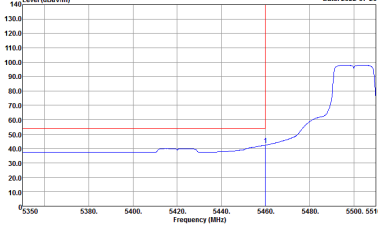
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNI)_B3 3m 91200_02294_220623 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNI) 3m 91200_02294_220623 HORIZONTAL</p>



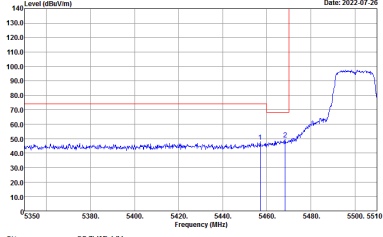
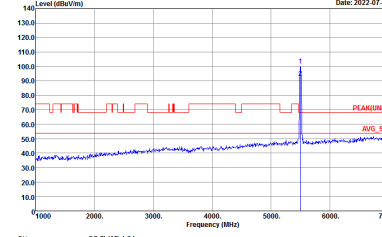
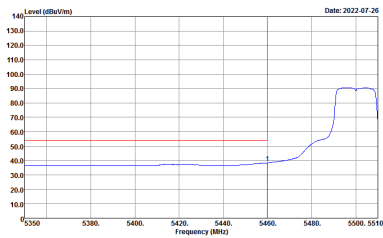
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE[UNII]_B3 3m 91200_02294_220623 VERTICAL</p>	<p>Site : 03CH15-HY Condition : PEAK[UNII] 3m 91200_02294_220623 VERTICAL</p>



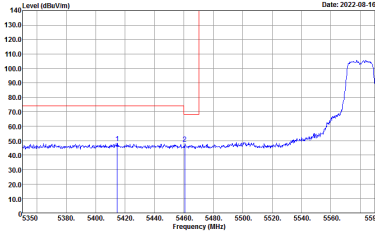
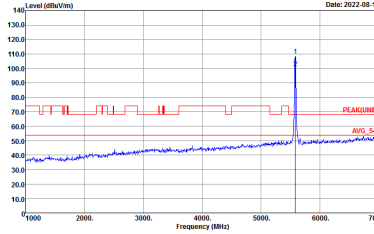
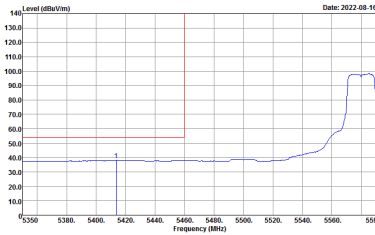
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank

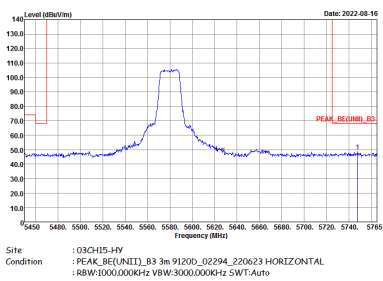


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank

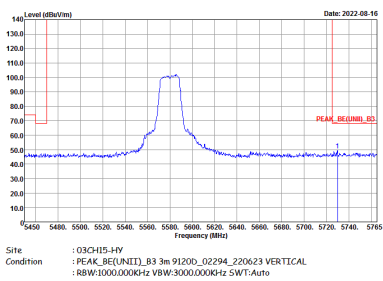


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site: :DACH15-3-FV Condition: :PEAK_REC(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL :RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	Left blank

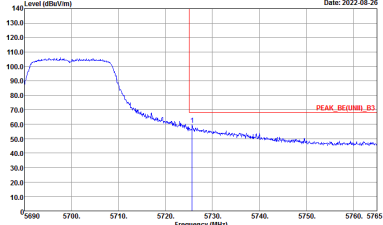
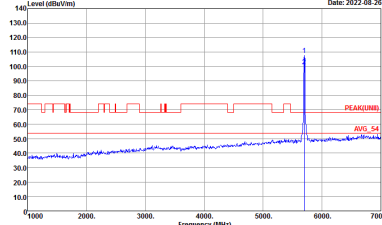


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-HY Condition : PEAK(UNIT)_3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site :DACH15-4-FV Condition :PEAK_RE([UNIT]),_B3 3m 91200_02294_220623 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-14V Condition : PEAK_BE[UNIT]_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-14V Condition : PEAK[UNIT] 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	<p>Site : 03CH15-14V Condition : PEAK_BE[UNIT],_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH15-14V Condition : PEAK[UNIT] 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 90120_02038_20210804 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 VERTICAL</p>



**Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9D120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9D120_02038_20210804 VERTICAL</p>



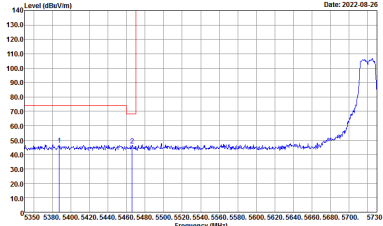
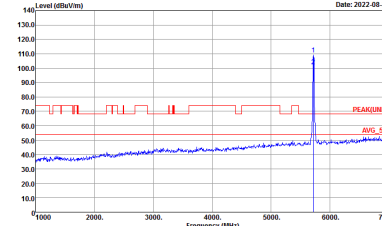
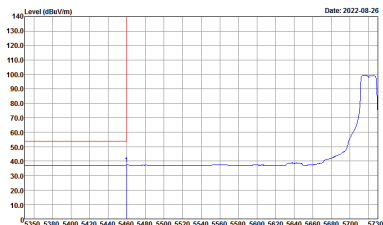
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(LINII) 3m 90120_02038_20210804 VERTICAL</p>



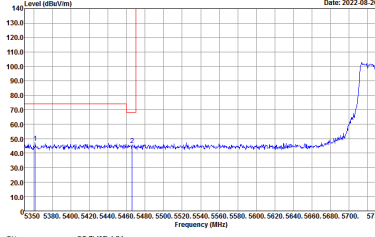
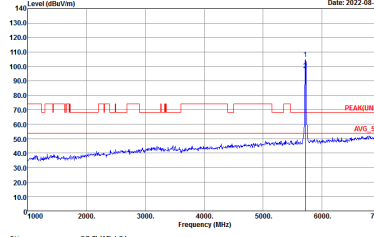
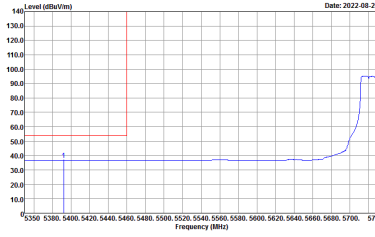
Band 3 - Straddle Channel
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : STRADDLES U-NIT-1A2A 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : U-NIT-1A2A AVERAGE 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank

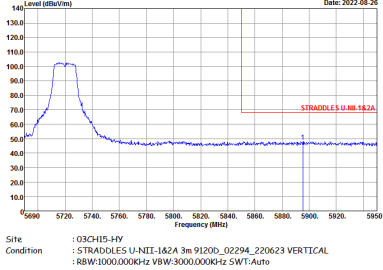


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
1	Horizontal	Fundamental
Peak	<p>Site : 08CH15-51V Condition : STRADDLES U-NIT-142A 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



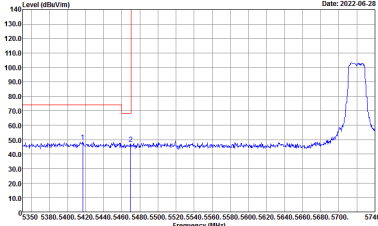
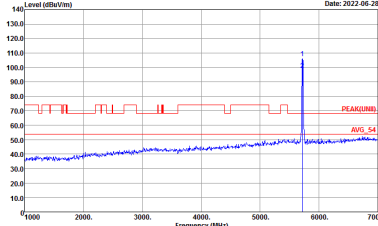
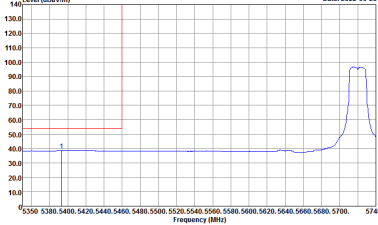
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : STRADDLES U-NIT-1A2A 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH15-HY Condition : U-NIT-1A2A AVERAGE 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 08CH15-51V Condition : STRADDLES U-NIT-142A 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



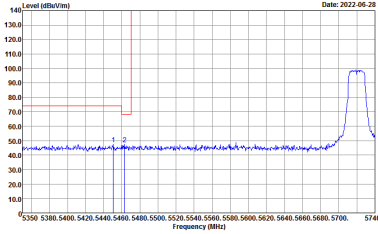
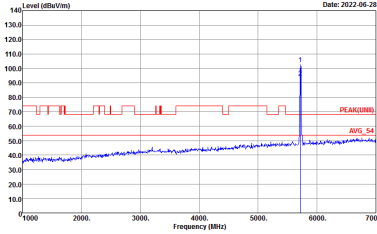
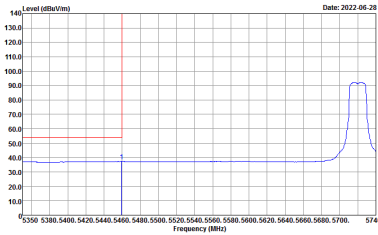
**Band 3 – Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2022-06-28</p> <p>Site Condition : 03CH15-HY : STRADDLES U-NII-1A2A 3m 9D120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2022-06-28</p> <p>Site Condition : 03CH15-HY : PEAK(UNIT) 3m 9D120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2022-06-28</p> <p>Site Condition : 03CH15-HY : U-NII-1A2A AVERAGE 3m 9D120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank

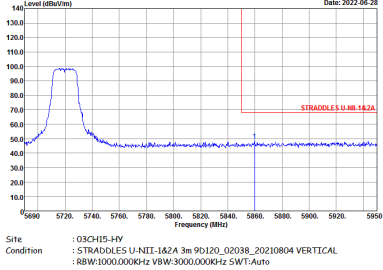


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 08CHIS-51V Condition : STRADDLES U-NIT-142A 3m 9D120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



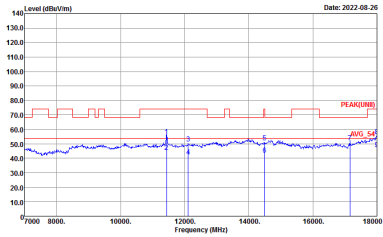
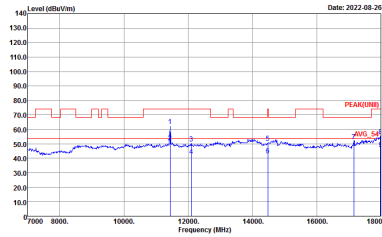
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - L	
1	Vertical	Fundamental
Peak	 <p>Date: 2022-06-28</p> <p>Site : 03CH15-HY Condition : STRADDLES U-NII-142A 3m 9D120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2022-06-28</p> <p>Site : 03CH15-HY Condition : PEAK(LINE) 3m 9D120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2022-06-28</p> <p>Site : 03CH15-HY Condition : U-NII-142A AVERAGE 3m 9D120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 08CHIS-51V Condition : STRADDLES U-NIT-142A 3m 9D120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	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
<p>Peak Avg.</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9D120_02038_20210804 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9D120_02038_20210804 VERTICAL</p>



Band 3 – Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 VERTICAL</p>

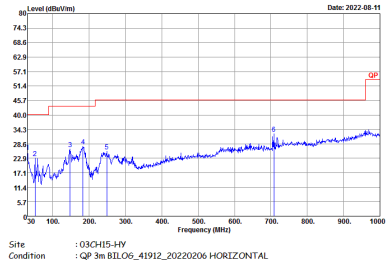
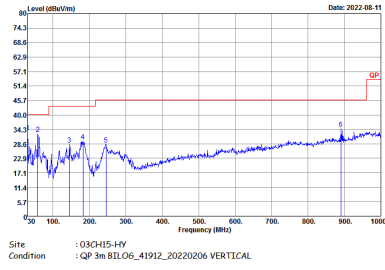


Emission above 18GHz
5GHz WIFI 802.11a (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11a SHF	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK_74 1m SHF_00993_211130 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK_74 1m SHF_00993_211130 VERTICAL</p>



Emission below 1GHz
5GHz WIFI 802.11a (LF)

WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak	 <p>Site : :03CH15-HY Condition : :QP 3m BILOG_41912_20220206 HORIZONTAL</p>	 <p>Site : :03CH15-HY Condition : :QP 3m BILOG_41912_20220206 VERTICAL</p>



Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
802.11a	100.00	-	-	10Hz
5GHz 802.11n HT20	100.00	-	-	10Hz

