



FCC RADIO TEST REPORT

FCC ID : HLZA22002
Equipment : Tablet PC
Brand Name : acer
Model Name : A22002
Marketing Name : Iconia Tab A10;A10-11
Applicant : Acer Incorporated
8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi Dist.,
New Taipei City 22181, Taiwan (R.O.C)
Manufacturer : Acer Incorporated
8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi Dist.,
New Taipei City 22181, Taiwan (R.O.C)
Standard : FCC Part 15 Subpart E §15.407

The product was received on Apr. 06, 2023 and testing was performed from Apr. 21, 2023 to May 22, 2023. 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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Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	3.11 dB under the limit at 5145.600 MHz
3.5	15.207	AC Conducted Emission	Pass	9.41 dB under the limit at 0.151 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

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

Reviewed by: Danny Lee**Report Producer: Rachel Hsieh**



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, and GNSS.	
Antenna Type WLAN: PCB Antenna Bluetooth: PCB Antenna GPS / Glonass / BDS: PIFA Antenna	

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	3.50
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	4.37
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	4.40

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer 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: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. TH05-HY, CO07-HY, 03CH12-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.



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

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

Note:

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



2.2 Test Mode

The power for 802.11ac VHT20/VHT40 mode is smaller than 802.11n HT20/HT40 mode, so all other conducted and radiated test is covered by 802.11n 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
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	<p>Mode 1 : Bluetooth Link + WLAN (2.4GHz) Link + H-Pattern + Earphone + SD Card + USB Cable (Charging from Adapter)</p> <p>Mode 2 : Bluetooth Link + WLAN (5GHz) Link + MPEG4 + Earphone + SD Card + USB Cable (Charging from Adapter)</p> <p>Mode 3 : Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Front) + Earphone + SD Card + USB Cable (Data Link with Notebook)</p> <p>Mode 4 : Bluetooth Idle + WLAN (5GHz) Idle + Camera (Rear) + Earphone + SD Card + USB Cable (Data Link with Notebook)</p>
Remark:	
<ol style="list-style-type: none"> The worst case of Conducted Emission is mode 3; only the test data of it was reported. Data Link with Notebook means data application transferred mode between EUT and Notebook. 	



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

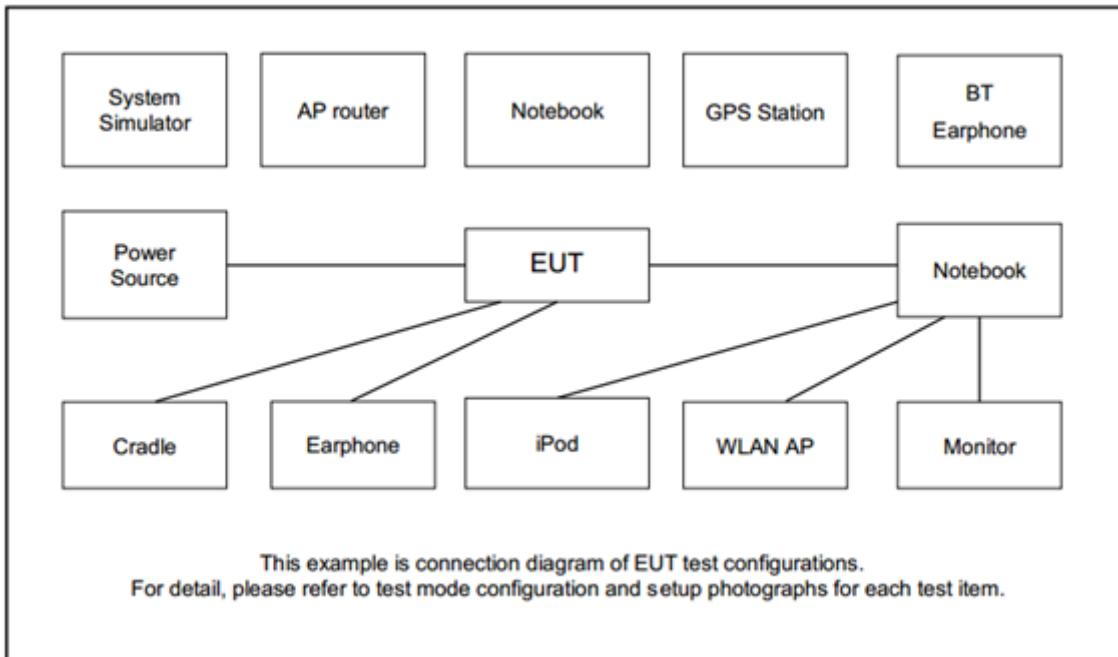
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY700A2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Earphone + Mic	Samsung	Ecouteur	N/A	Unshielded, 1.2 m	N/A
5.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
6.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

2.5 EUT Operation Test Setup

The RF test items, make the EUT (SW: sys_mssi_t_64_ab-userdebug 12 SP1A.210812.016 1681386744 releas-keys) 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.

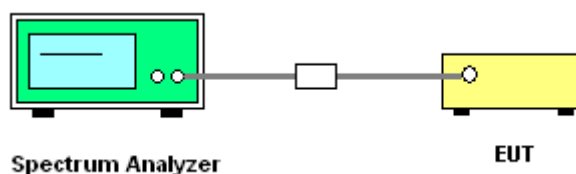
3.1.2 Measuring Instruments

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

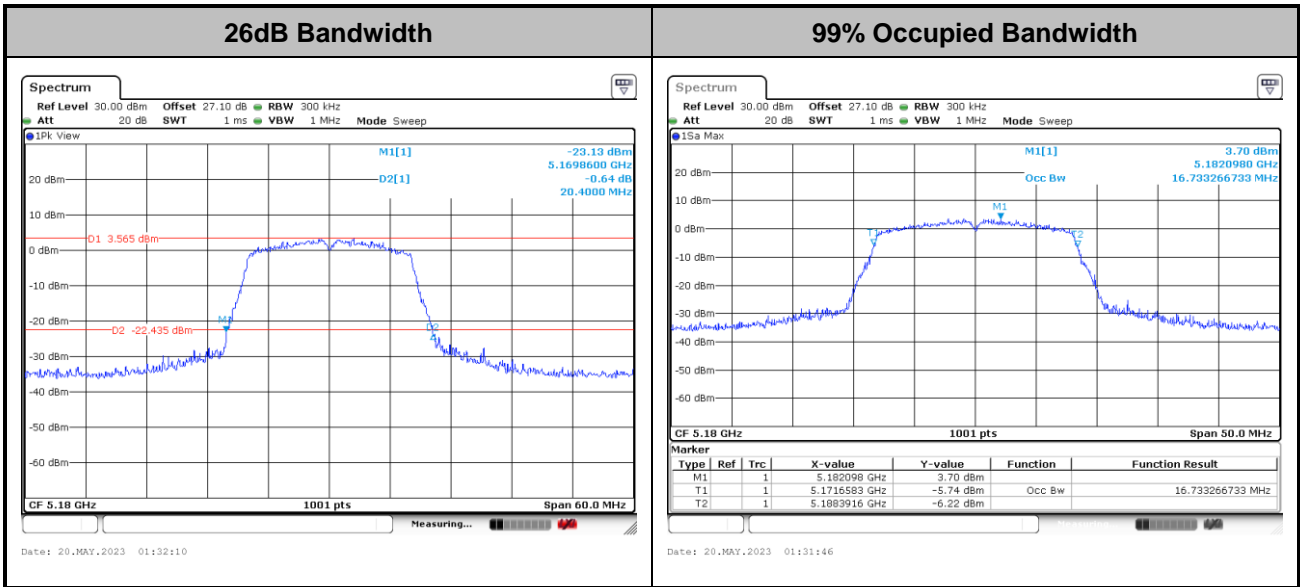


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

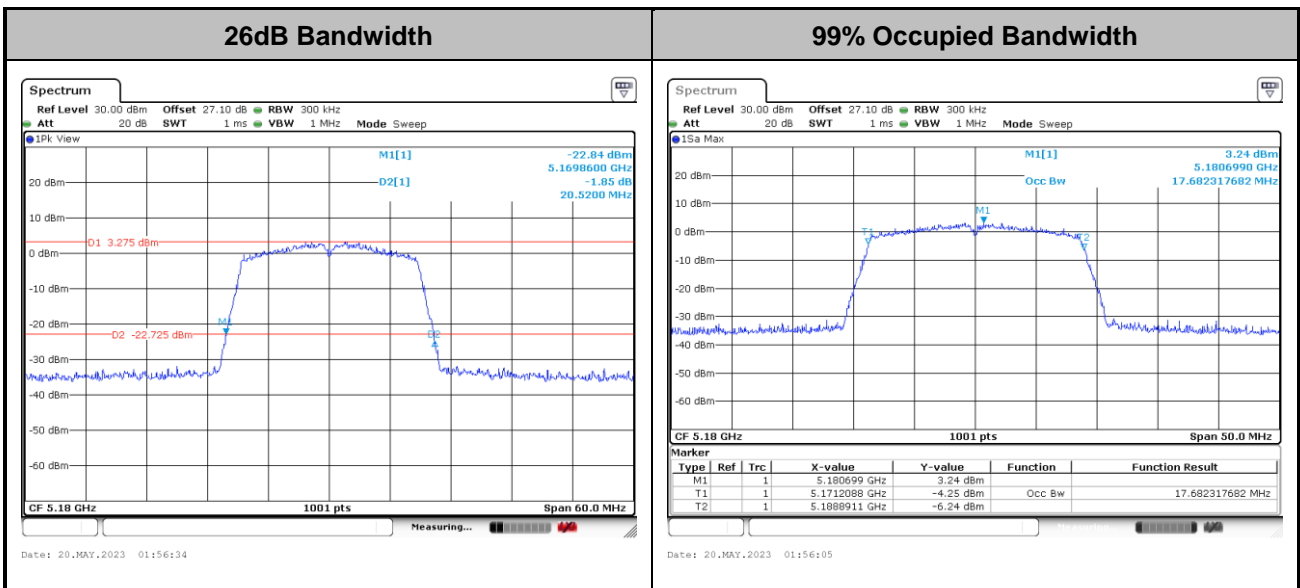


<802.11a>



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

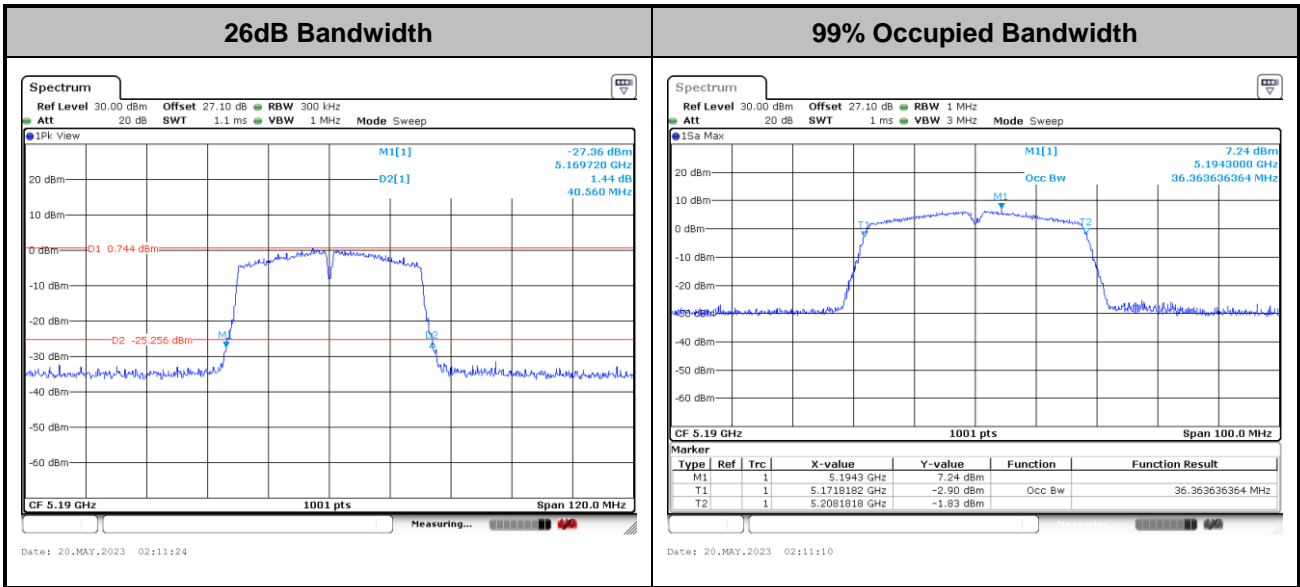
<802.11n HT20>



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

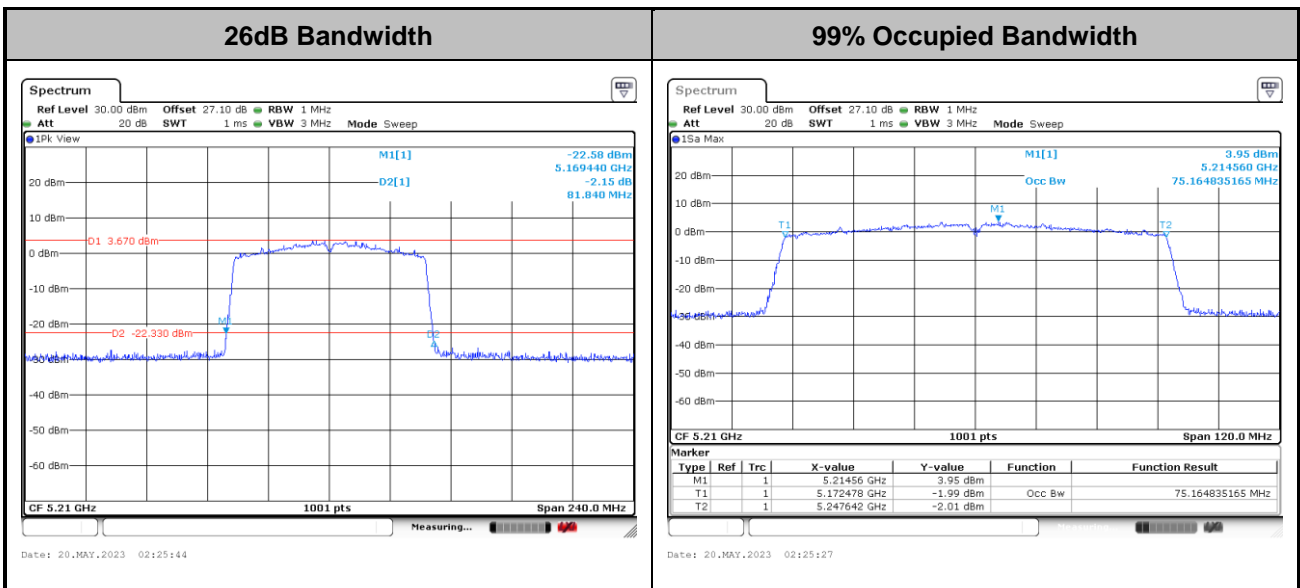


<802.11n HT40>



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

<802.11ac VHT80>



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

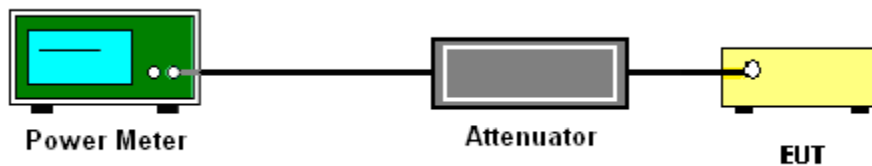
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

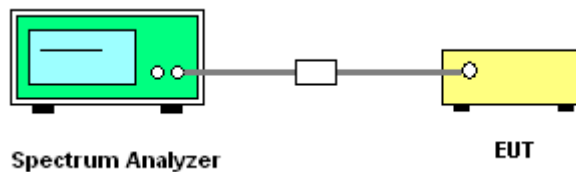
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

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

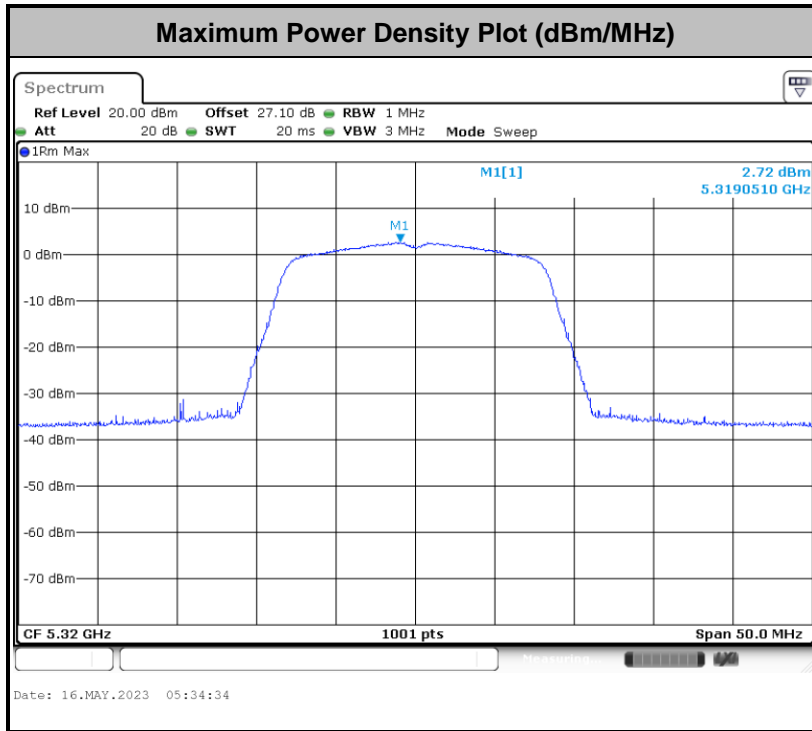


3.3.5 Test Result of Power Spectral Density

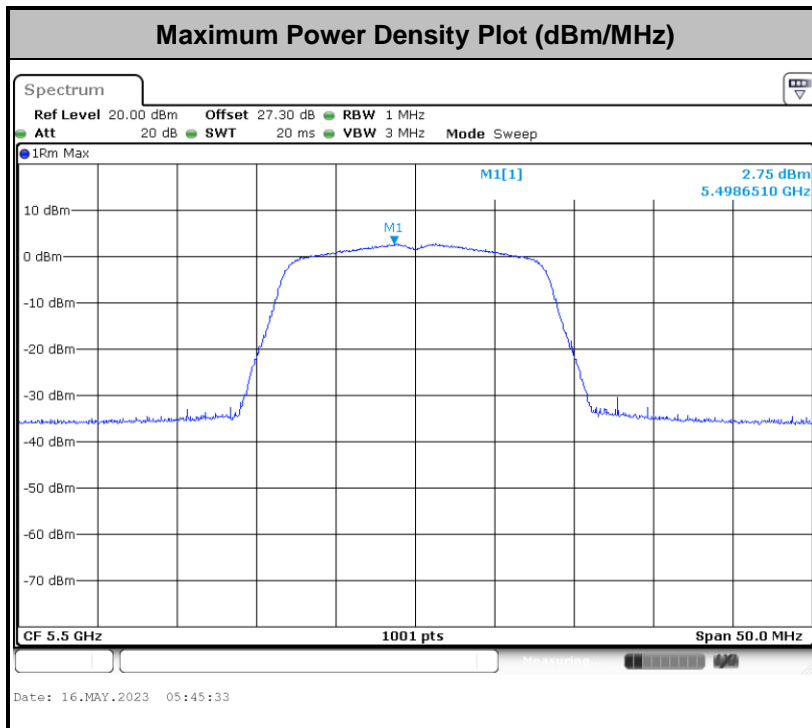
Please refer to Appendix A.



<802.11a>

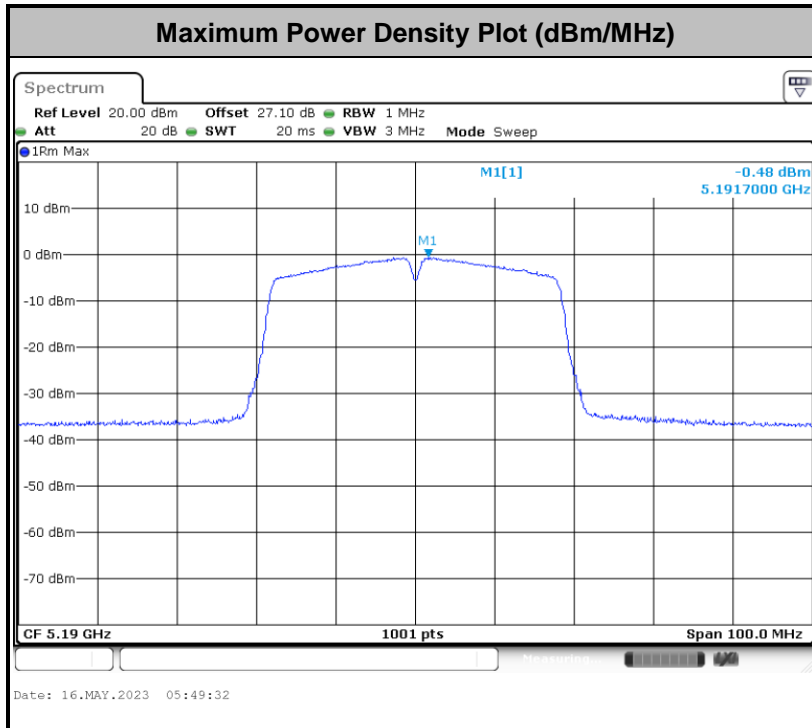


<802.11n HT20>

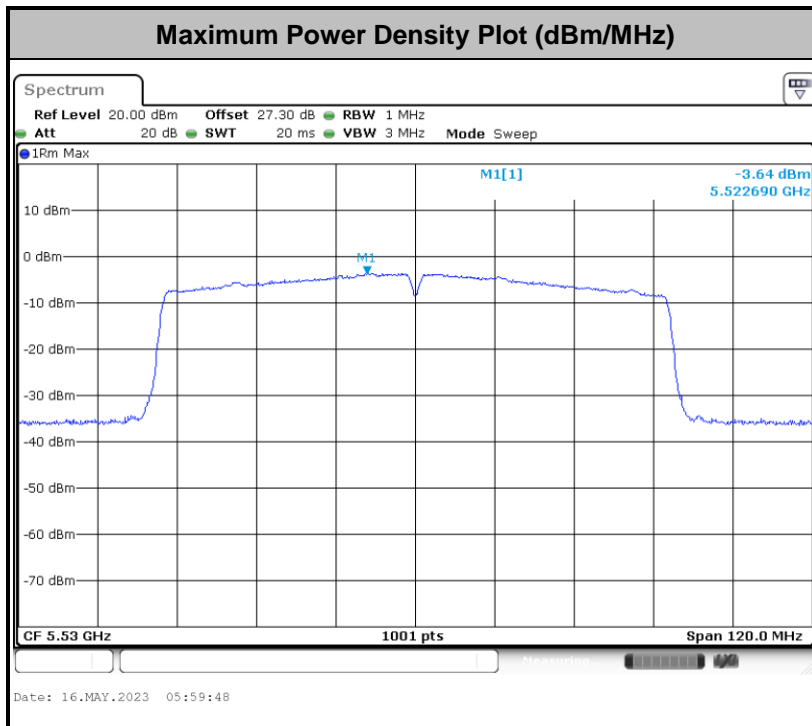




<802.11n HT40>



<802.11ac VHT80>





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

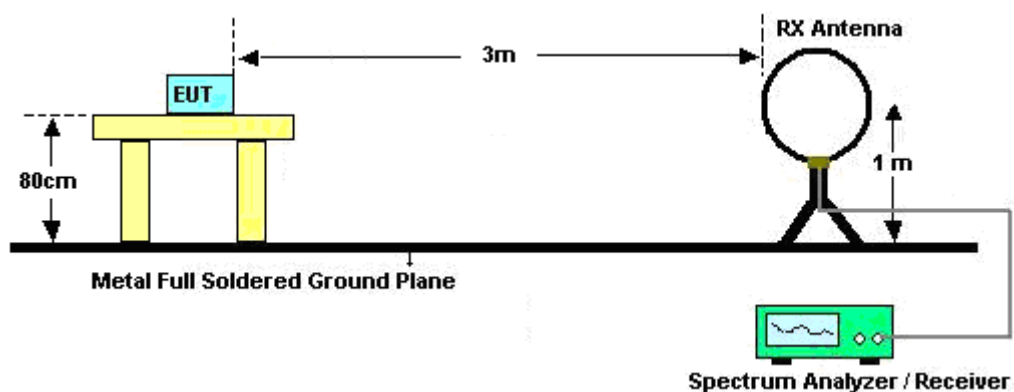
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

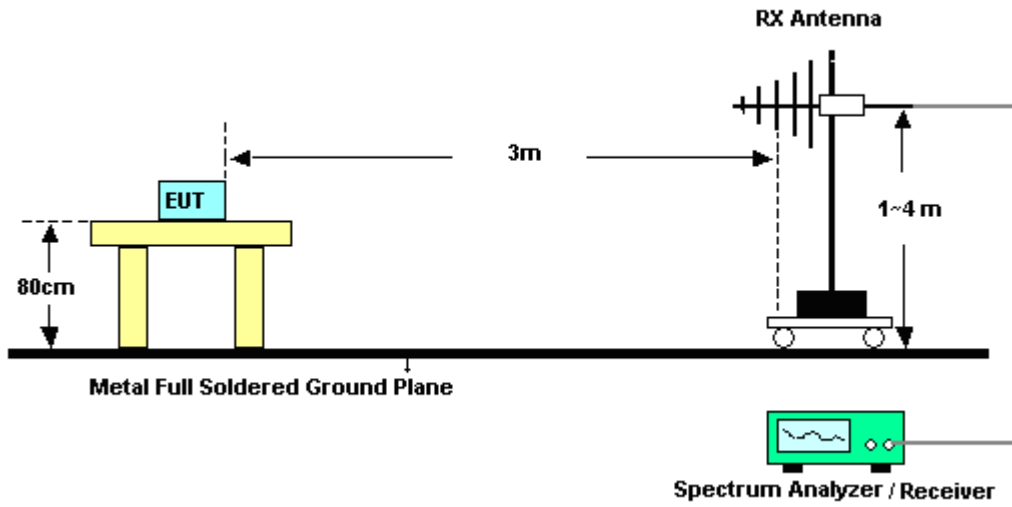
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

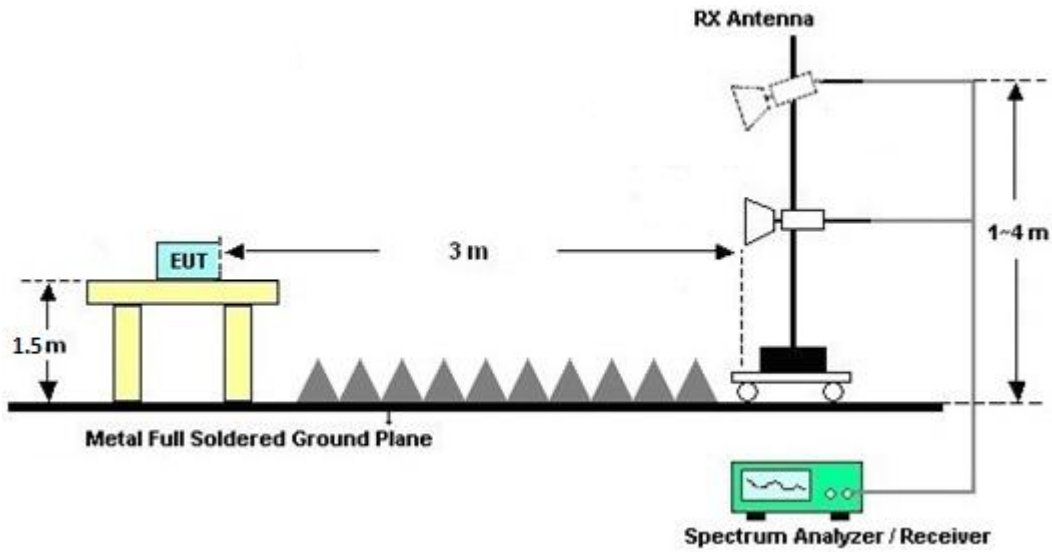
For radiated emissions below 30MHz



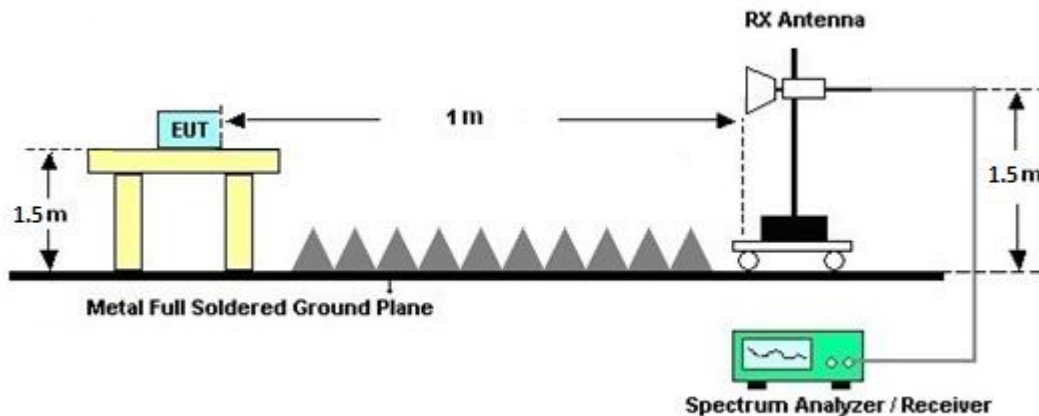
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

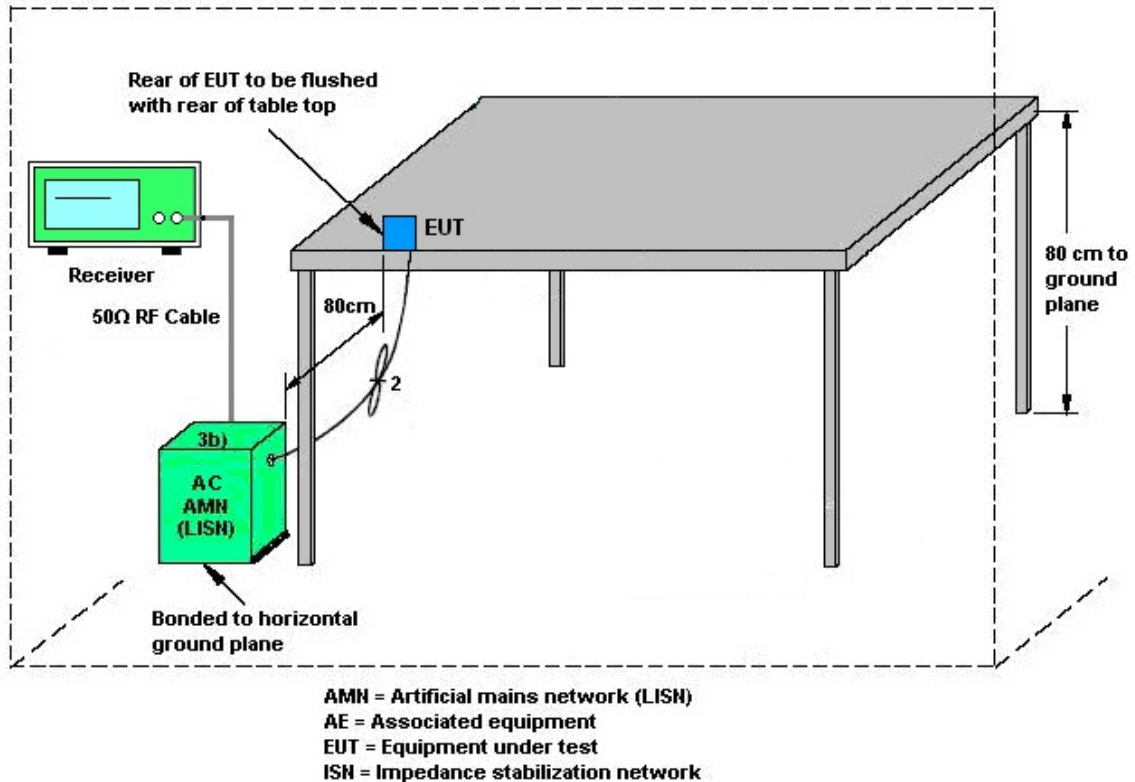
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	May 10, 2023~ May 22, 2023	Sep. 19, 2023	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	37059 & 01	30MHz~1GHz	Nov. 10, 2022	May 10, 2023~ May 22, 2023	Nov. 09, 2023	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Aug. 09, 2022	May 10, 2023~ May 22, 2023	Aug. 08, 2023	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA9170	00993	18GHz~40GHz	Nov. 24, 2022	May 10, 2023~ May 22, 2023	Nov. 23, 2023	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 21, 2023	May 10, 2023~ May 22, 2023	Mar. 20, 2024	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 24, 2022	May 10, 2023~ May 22, 2023	May 23, 2023	Radiation (03CH12-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18G-5 6-01-A70	EC1900249	1GHz~18GHz	Dec. 21, 2022	May 10, 2023~ May 22, 2023	Dec. 20, 2023	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2022	May 10, 2023~ May 22, 2023	Dec. 06, 2023	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 10, 2023	May 10, 2023~ May 22, 2023	Jan. 09, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12SS	SN2	1.2GHz Low Pass Filter	Mar. 13, 2023	May 10, 2023~ May 22, 2023	Mar. 12, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700-30 00-18000-60ST	SN2	3GHz High Pass Filter	Jul. 11, 2022	May 10, 2023~ May 22, 2023	Jul. 10, 2023	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872.5-6 750-18000-40ST	SN2	6.75GHz High Pass Filter	Mar. 13, 2023	May 10, 2023~ May 22, 2023	Mar. 12, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 15, 2023	May 10, 2023~ May 22, 2023	Mar. 14, 2024	Radiation (03CH12-HY)
RF Cable	TUYUE	RG142D-NmBNC m-3000	H0620	9kHz~30MHz	Mar. 14, 2023	May 10, 2023~ May 22, 2023	Mar. 13, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 20, 2022	May 10, 2023~ May 22, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15539/4	30MHz~18GHz	Dec. 20, 2022	May 10, 2023~ May 22, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 20, 2022	May 10, 2023~ May 22, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 20, 2022	May 10, 2023~ May 22, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	May 10, 2023~ May 22, 2023	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	May 10, 2023~ May 22, 2023	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	May 10, 2023~ May 22, 2023	N/A	Radiation (03CH12-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RPR3006W	16100054SNO 12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Apr. 27, 2023 May 20, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Apr. 27, 2023 May 20, 2023	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Apr. 21, 2023	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Apr. 21, 2023	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 01, 2022	Apr. 21, 2023	Oct. 31, 2023	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 15, 2023	Apr. 21, 2023	Mar. 14, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 05, 2023	Apr. 21, 2023	Mar. 04, 2024	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 13, 2023	Apr. 21, 2023	Mar. 12, 2024	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 06, 2022	Apr. 21, 2023	Oct. 05, 2023	Conduction (CO07-HY)



5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.46 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.4 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.4 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.6 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu and James Li	Temperature:	21~25	°C
Test Date:	2023/4/27~2023/5/20	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	16.73	-	20.40	-	-	-	22.24	-	-
11a	6Mbps	1	44	5220	16.73	-	20.22	-	-	-	22.24	-	
11a	6Mbps	1	48	5240	16.68	-	20.28	-	-	-	22.22	-	
HT20	MCS0	1	36	5180	17.68	-	20.52	-	-	-	22.48	-	
HT20	MCS0	1	44	5220	17.73	-	20.70	-	-	-	22.49	-	
HT20	MCS0	1	48	5240	17.68	-	20.64	-	-	-	22.48	-	
HT40	MCS0	1	38	5190	36.36	-	40.56	-	-	-	23.01	-	
HT40	MCS0	1	46	5230	36.36	-	40.80	-	-	-	23.01	-	
VHT80	MCS0	1	42	5210	75.16	-	81.84	-	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)		FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	12.10	-	24.00	-	3.50	-	Pass
11a	6Mbps	1	44	5220	12.20	-	24.00	-	3.50	-	Pass
11a	6Mbps	1	48	5240	12.10	-	24.00	-	3.50	-	Pass
HT20	MCS0	1	36	5180	12.10	-	24.00	-	3.50	-	Pass
HT20	MCS0	1	44	5220	12.10	-	24.00	-	3.50	-	Pass
HT20	MCS0	1	48	5240	12.10	-	24.00	-	3.50	-	Pass
HT40	MCS0	1	38	5190	12.10	-	24.00	-	3.50	-	Pass
HT40	MCS0	1	46	5230	12.00	-	24.00	-	3.50	-	Pass
VHT20	MCS0	1	36	5180	12.00	-	24.00	-	3.50	-	Pass
VHT20	MCS0	1	44	5220	12.00	-	24.00	-	3.50	-	Pass
VHT20	MCS0	1	48	5240	12.00	-	24.00	-	3.50	-	Pass
VHT40	MCS0	1	38	5190	12.00	-	24.00	-	3.50	-	Pass
VHT40	MCS0	1	46	5230	11.90	-	24.00	-	3.50	-	Pass
VHT80	MCS0	1	42	5210	12.10	-	24.00	-	3.50	-	Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	2.29	-	11.00	-	3.50	-	-	Pass
11a	6Mbps	1	44	5220	2.53	-	11.00	-	3.50	-		Pass
11a	6Mbps	1	48	5240	2.32	-	11.00	-	3.50	-		Pass
HT20	MCS0	1	36	5180	2.20	-	11.00	-	3.50	-		Pass
HT20	MCS0	1	44	5220	2.68	-	11.00	-	3.50	-		Pass
HT20	MCS0	1	48	5240	2.33	-	11.00	-	3.50	-		Pass
HT40	MCS0	1	38	5190	-0.48	-	11.00	-	3.50	-		Pass
HT40	MCS0	1	46	5230	-0.83	-	11.00	-	3.50	-		Pass
VHT80	MCS0	1	42	5210	-3.89	-	11.00	-	3.50	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.73	-	20.28	-	23.24	-	29.24	-	23.98	-	-
11a	6Mbps	1	60	5300	16.73	-	20.28	-	23.24	-	29.24	-	23.98	-	
11a	6Mbps	1	64	5320	16.68	-	20.28	-	23.22	-	29.22	-	23.98	-	
HT20	MCS0	1	52	5260	17.73	-	20.52	-	23.49	-	29.49	-	23.98	-	
HT20	MCS0	1	60	5300	17.68	-	20.64	-	23.48	-	29.48	-	23.98	-	
HT20	MCS0	1	64	5320	17.68	-	20.64	-	23.48	-	29.48	-	23.98	-	
HT40	MCS0	1	54	5270	36.36	-	40.20	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.36	-	40.68	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.16	-	81.84	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)		FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	12.20	-	23.98	-	4.37	-	26.99	Pass
11a	6Mbps	1	60	5300	12.30	-	23.98	-	4.37	-	26.99	Pass
11a	6Mbps	1	64	5320	12.50	-	23.98	-	4.37	-	26.99	Pass
HT20	MCS0	1	52	5260	12.10	-	23.98	-	4.37	-	26.99	Pass
HT20	MCS0	1	60	5300	12.10	-	23.98	-	4.37	-	26.99	Pass
HT20	MCS0	1	64	5320	12.20	-	23.98	-	4.37	-	26.99	Pass
HT40	MCS0	1	54	5270	12.30	-	23.98	-	4.37	-	26.99	Pass
HT40	MCS0	1	62	5310	12.00	-	23.98	-	4.37	-	26.99	Pass
VHT20	MCS0	1	52	5260	12.00	-	23.98	-	4.37	-	26.99	Pass
VHT20	MCS0	1	60	5300	12.00	-	23.98	-	4.37	-	26.99	Pass
VHT20	MCS0	1	64	5320	12.10	-	23.98	-	4.37	-	26.99	Pass
VHT40	MCS0	1	54	5270	12.20	-	23.98	-	4.37	-	26.99	Pass
VHT40	MCS0	1	62	5310	11.90	-	23.98	-	4.37	-	26.99	Pass
VHT80	MCS0	1	58	5290	12.10	-	23.98	-	4.37	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna													
Mod.	Data Rate	N _{TX}	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	2.29	-	-	11.00	-	4.37	-	-	Pass
11a	6Mbps	1	60	5300	2.45	-		11.00	-	4.37	-		Pass
11a	6Mbps	1	64	5320	2.72	-		11.00	-	4.37	-		Pass
HT20	MCS0	1	52	5260	2.31	-		11.00	-	4.37	-		Pass
HT20	MCS0	1	60	5300	2.61	-		11.00	-	4.37	-		Pass
HT20	MCS0	1	64	5320	2.25	-		11.00	-	4.37	-		Pass
HT40	MCS0	1	54	5270	-0.60	-		11.00	-	4.37	-		Pass
HT40	MCS0	1	62	5310	-0.53	-		11.00	-	4.37	-		Pass
VHT80	MCS0	1	58	5290	-3.77	-	11.00	-	4.37	-	Pass		

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																
Mod.	Data Rate	N _{TX}	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	16.68	-	20.16	-	23.22	-	29.22	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.68	-	20.22	-	23.22	-	29.22	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.68	-	20.16	-	23.22	-	29.22	-	23.98	-	----	----
HT20	MCS0	1	100	5500	17.73	-	20.70	-	23.49	-	29.49	-	23.98	-	----	----
HT20	MCS0	1	116	5580	17.68	-	20.64	-	23.48	-	29.48	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.73	-	20.64	-	23.49	-	29.49	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.36	-	40.44	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.36	-	40.44	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.46	-	40.44	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.16	-	81.60	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.16	-	81.84	-	23.98	-	30.00	-	23.98	-	----	----

U-NII-2C straddle channel single antenna																
Mod.	Data Rate	N _{TX}	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	13.34	-	15.14	-	22.25	-	28.25	-	22.80	-	2.65	-
HT20	MCS0	1	144	5720	13.89	-	15.26	-	22.43	-	28.43	-	22.84	-	2.6	-
HT40	MCS0	1	142	5710	33.28	-	35.28	-	23.98	-	30.00	-	23.98	-	2.64	-
VHT80	MCS0	1	138	5690	72.64	-	76.04	-	23.98	-	30.00	-	23.98	-	2.76	-

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)		FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	12.30	-	23.98	-	4.40	-	26.99	Pass
11a	6Mbps	1	116	5580	12.20	-	23.98	-	4.40	-	26.99	Pass
11a	6Mbps	1	140	5700	12.20	-	23.98	-	4.40	-	26.99	Pass
HT20	MCS0	1	100	5500	12.30	-	23.98	-	4.40	-	26.99	Pass
HT20	MCS0	1	116	5580	12.10	-	23.98	-	4.40	-	26.99	Pass
HT20	MCS0	1	140	5700	12.50	-	23.98	-	4.40	-	26.99	Pass
HT40	MCS0	1	102	5510	12.40	-	23.98	-	4.40	-	26.99	Pass
HT40	MCS0	1	110	5550	12.00	-	23.98	-	4.40	-	26.99	Pass
HT40	MCS0	1	134	5670	11.80	-	23.98	-	4.40	-	26.99	Pass
VHT20	MCS0	1	100	5500	12.20	-	23.98	-	4.40	-	26.99	Pass
VHT20	MCS0	1	116	5580	12.00	-	23.98	-	4.40	-	26.99	Pass
VHT20	MCS0	1	140	5700	12.40	-	23.98	-	4.40	-	26.99	Pass
VHT40	MCS0	1	102	5510	12.30	-	23.98	-	4.40	-	26.99	Pass
VHT40	MCS0	1	110	5550	11.90	-	23.98	-	4.40	-	26.99	Pass
VHT40	MCS0	1	134	5670	11.70	-	23.98	-	4.40	-	26.99	Pass
VHT80	MCS0	1	106	5530	12.30	-	23.98	-	4.40	-	26.99	Pass
VHT80	MCS0	1	122	5610	12.20	-	23.98	-	4.40	-	26.99	Pass

FCC U-NII-2C straddle channel single antenna												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)		FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	12.10	-	22.80	-	4.40	-	26.99	Pass
HT20	MCS0	1	144	5720	12.40	-	22.84	-	4.40	-	26.99	Pass
HT40	MCS0	1	142	5710	11.80	-	23.98	-	4.40	-	26.99	Pass
VHT20	MCS0	1	144	5720	12.30	-	23.98	-	4.40	-	26.99	Pass
VHT40	MCS0	1	142	5710	11.70	-	23.98	-	4.40	-	26.99	Pass
VHT80	MCS0	1	138	5690	12.20	-	23.98	-	4.40	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	2.52	-	11.00	-	4.40	-	Pass
11a	6Mbps	1	116	5580	2.32	-	11.00	-	4.40	-	Pass
11a	6Mbps	1	140	5700	2.11	-	11.00	-	4.40	-	Pass
HT20	MCS0	1	100	5500	2.75	-	11.00	-	4.40	-	Pass
HT20	MCS0	1	116	5580	2.32	-	11.00	-	4.40	-	Pass
HT20	MCS0	1	140	5700	2.58	-	11.00	-	4.40	-	Pass
HT40	MCS0	1	102	5510	-0.62	-	11.00	-	4.40	-	Pass
HT40	MCS0	1	110	5550	-0.89	-	11.00	-	4.40	-	Pass
HT40	MCS0	1	134	5670	-1.31	-	11.00	-	4.40	-	Pass
VHT80	MCS0	1	106	5530	-3.64	-	11.00	-	4.40	-	Pass
VHT80	MCS0	1	122	5610	-3.80	-	11.00	-	4.40	-	Pass

U-NII-2C straddle channel single antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	144	5720	2.11	-	11.00	-	4.40	-	Pass
HT20	MCS0	1	144	5720	2.45	-	11.00	-	4.40	-	Pass
HT40	MCS0	1	142	5710	-1.59	-	11.00	-	4.40	-	Pass
VHT80	MCS0	1	138	5690	-3.77	-	11.00	-	4.40	-	Pass



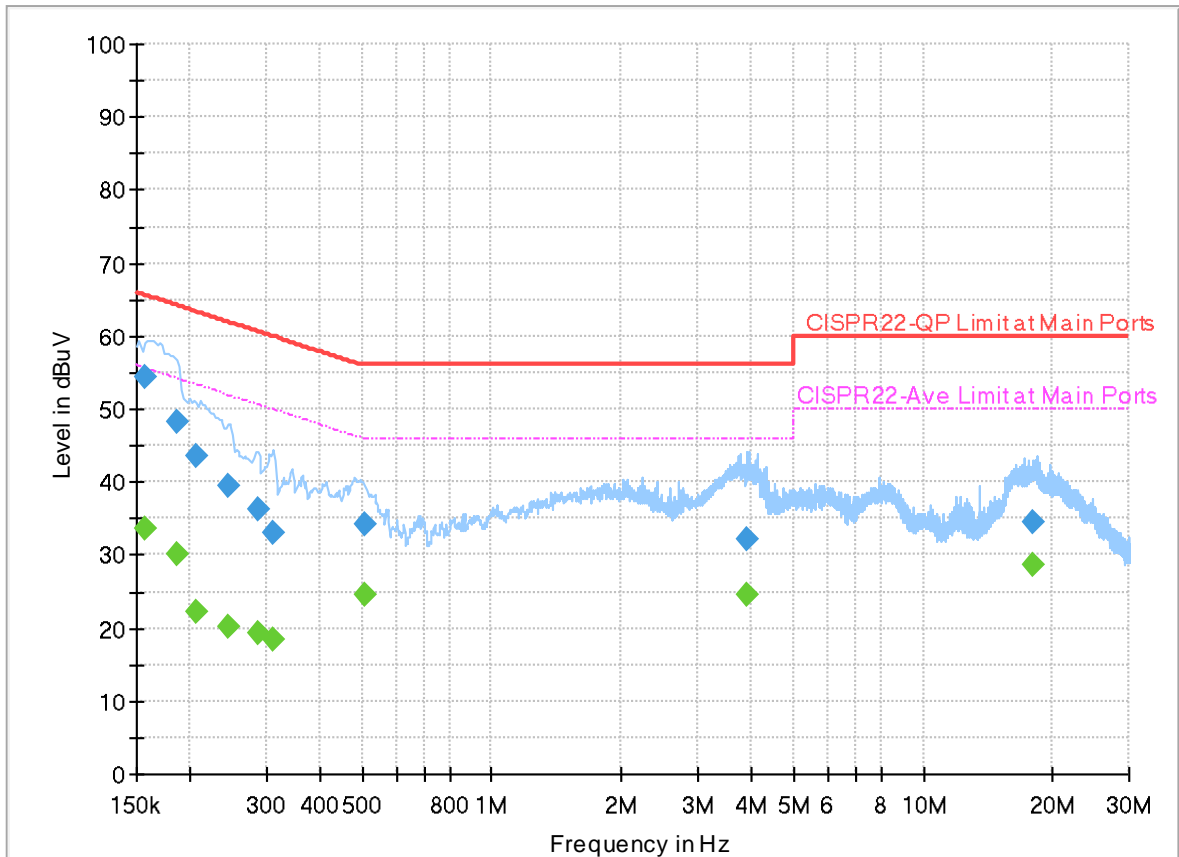
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	20.2~23°C
		Relative Humidity :	65.8~72.4%

EUT Information

Report NO : 333113
 Test Mode : Mode 3
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



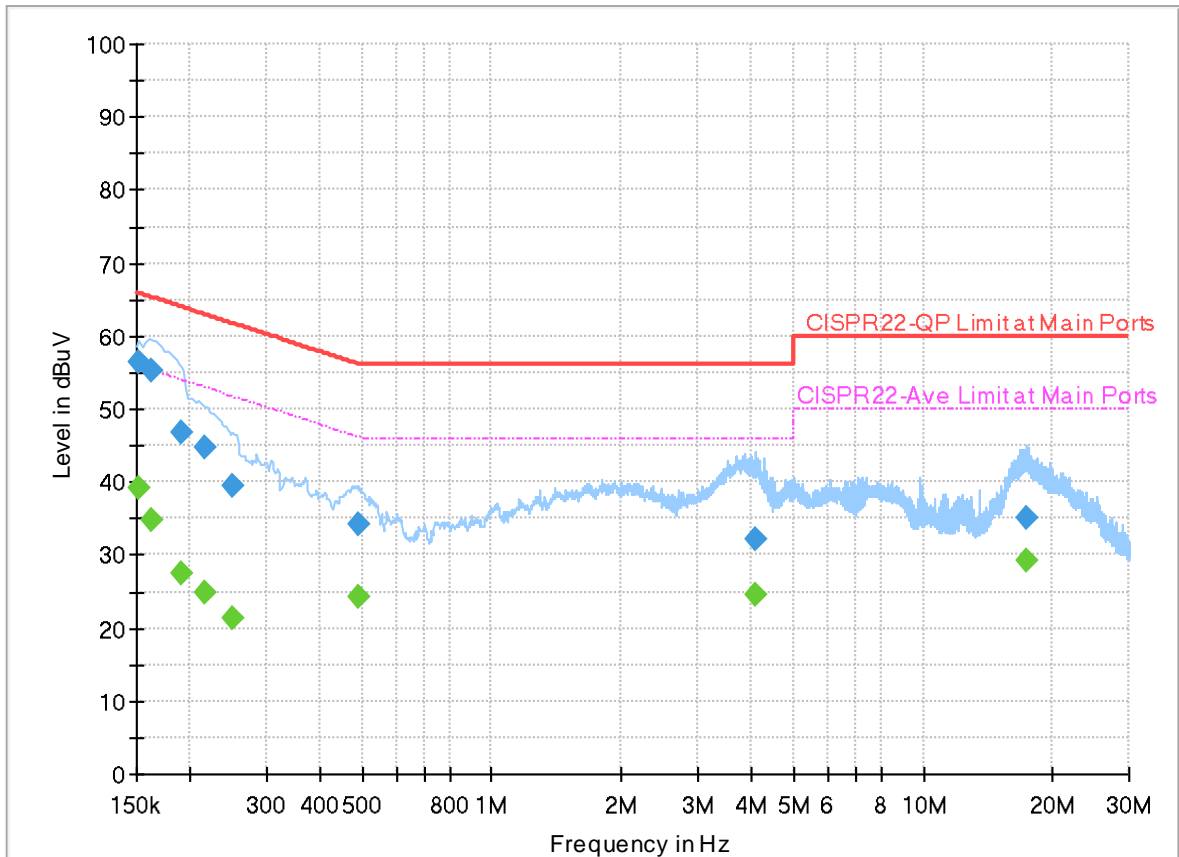
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	33.77	55.63	21.86	L1	OFF	19.9
0.156750	54.24	---	65.63	11.39	L1	OFF	19.9
0.186000	---	30.06	54.21	24.15	L1	OFF	19.9
0.186000	48.12	---	64.21	16.09	L1	OFF	19.9
0.207240	---	22.29	53.32	31.03	L1	OFF	20.0
0.207240	43.50	---	63.32	19.82	L1	OFF	20.0
0.244500	---	20.21	51.94	31.73	L1	OFF	20.0
0.244500	39.60	---	61.94	22.34	L1	OFF	20.0
0.286260	---	19.43	50.63	31.20	L1	OFF	20.0
0.286260	36.28	---	60.63	24.35	L1	OFF	20.0
0.311730	---	18.40	49.92	31.52	L1	OFF	20.0
0.311730	33.15	---	59.92	26.77	L1	OFF	20.0
0.506130	---	24.45	46.00	21.55	L1	OFF	20.0
0.506130	34.27	---	56.00	21.73	L1	OFF	20.0
3.891750	---	24.44	46.00	21.56	L1	OFF	20.0
3.891750	32.10	---	56.00	23.90	L1	OFF	20.0
18.033090	---	28.68	50.00	21.32	L1	OFF	20.2
18.033090	34.40	---	60.00	25.60	L1	OFF	20.2

EUT Information

Report NO : 333113
 Test Mode : Mode 3
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.151215	---	39.24	55.93	16.69	N	OFF	20.0
0.151215	56.52	---	65.93	9.41	N	OFF	20.0
0.163140	---	34.67	55.30	20.63	N	OFF	20.0
0.163140	55.38	---	65.30	9.92	N	OFF	20.0
0.190590	---	27.50	54.01	26.51	N	OFF	20.0
0.190590	46.72	---	64.01	17.29	N	OFF	20.0
0.215250	---	24.93	53.00	28.07	N	OFF	20.0
0.215250	44.63	---	63.00	18.37	N	OFF	20.0
0.250530	---	21.42	51.74	30.32	N	OFF	20.0
0.250530	39.47	---	61.74	22.27	N	OFF	20.0
0.491730	---	24.28	46.14	21.86	N	OFF	20.0
0.491730	34.16	---	56.14	21.98	N	OFF	20.0
4.076790	---	24.45	46.00	21.55	N	OFF	20.0
4.076790	32.04	---	56.00	23.96	N	OFF	20.0
17.346300	---	29.11	50.00	20.89	N	OFF	20.2
17.346300	35.19	---	60.00	24.81	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Fan, Tim Lee and Wilson Wu	Temperature :	20~25°C
		Relative Humidity :	50~60%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 36 5180MHz		5055.38	53.47	-20.53	74	43.91	33.26	9.97	33.67	100	347	P	H	
		5070.98	44.74	-9.26	54	35.29	33.13	9.99	33.67	100	347	A	H	
	*	5180	99.57	-	-	90.23	32.86	10.12	33.64	100	347	P	H	
	*	5180	93.04	-	-	83.7	32.86	10.12	33.64	100	347	A	H	
													H	
			5024.7	53.14	-20.86	74	43.59	33.3	9.93	33.68	100	182	P	V
			5052.78	44.56	-9.44	54	34.99	33.28	9.96	33.67	100	182	A	V
	*		5180	93.96	-	-	84.62	32.86	10.12	33.64	100	182	P	V
	*		5180	87.09	-	-	77.75	32.86	10.12	33.64	100	182	A	V
														V
802.11a CH 44 5220MHz		5054.34	53.58	-20.42	74	44.01	33.27	9.97	33.67	112	352	P	H	
		5048.1	44.4	-9.6	54	34.81	33.3	9.96	33.67	112	352	A	H	
	*	5220	99.28	-	-	89.78	32.98	10.16	33.64	112	352	P	H	
	*	5220	92.22	-	-	82.72	32.98	10.16	33.64	112	352	A	H	
			5439.84	50.94	-23.06	74	41.34	32.8	10.39	33.59	112	352	P	H
			5444.88	43.78	-10.22	54	34.18	32.8	10.39	33.59	112	352	A	H
			5067.34	52.81	-21.19	74	43.34	33.16	9.98	33.67	109	183	P	V
			5047.06	44.33	-9.67	54	34.74	33.3	9.96	33.67	109	183	A	V
	*		5220	92.89	-	-	83.39	32.98	10.16	33.64	109	183	P	V
	*		5220	86.6	-	-	77.1	32.98	10.16	33.64	109	183	A	V
			5448.52	52.26	-21.74	74	42.66	32.8	10.39	33.59	109	183	P	V
			5445.16	43.43	-10.57	54	33.83	32.8	10.39	33.59	109	183	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		5050.44	53.14	-20.86	74	43.55	33.3	9.96	33.67	307	350	P	H
		5053.82	44.41	-9.59	54	34.85	33.27	9.96	33.67	307	350	A	H
	*	5240	97.64	-	-	88.02	33.06	10.19	33.63	307	350	P	H
	*	5240	91.81	-	-	82.19	33.06	10.19	33.63	307	350	A	H
		5456.64	50.87	-23.13	74	41.26	32.81	10.39	33.59	307	350	P	H
		5368.72	43.51	-10.49	54	34.03	32.74	10.35	33.61	307	350	A	H
		5085.02	54.75	-19.25	74	45.39	33.02	10	33.66	279	108	P	V
		5050.18	44.48	-9.52	54	34.89	33.3	9.96	33.67	279	108	A	V
	*	5240	91.77	-	-	82.15	33.06	10.19	33.63	279	108	P	V
	*	5240	84.56	-	-	74.94	33.06	10.19	33.63	279	108	A	V
		5420.8	51.54	-22.46	74	41.95	32.8	10.39	33.6	279	108	P	V
		5440.96	43.36	-10.64	54	33.76	32.8	10.39	33.59	279	108	A	V
	Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 36 5180MHz		10360	51.45	-16.75	68.2	63.95	38.66	16.17	67.33	232	1	P	H	
		15540	47.9	-26.1	74	55.65	38.1	21.29	67.14	-	-	P	H	
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													H	
													H	
													H	
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													H	
													H	
													H	
			10360	47.69	-20.51	68.2	60.19	38.66	16.17	67.33	-	-	P	V
			15540	47.93	-26.07	74	55.68	38.1	21.29	67.14	-	-	P	V
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														V
														V
														V
														V
													V	
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 44 5220MHz		10440	49.32	-18.88	68.2	61.58	38.74	16.24	67.24	-	-	P	H
		15660	47.89	-26.11	74	56	37.68	21.43	67.22	-	-	P	H
													H
													H
													H
													H
													H
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													H
													H
			10440	47.97	-20.23	68.2	60.23	38.74	16.24	67.24	-	-	P
		15660	47.93	-26.07	74	56.04	37.68	21.43	67.22	-	-	P	V
													V
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WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		10480	49.19	-19.01	68.2	61.33	38.78	16.28	67.2	-	-	P	H
		15720	47.97	-26.03	74	56.14	37.6	21.49	67.26	-	-	P	H
													H
													H
													H
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													H
													H
			10480	47.39	-20.81	68.2	59.53	38.78	16.28	67.2	-	-	P
		15720	47.92	-26.08	74	56.09	37.6	21.49	67.26	-	-	P	V
													V
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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. 												



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		5123.76	54.27	-19.73	74	45.03	32.85	10.05	33.66	108	352	P	H	
		5048.1	44.8	-9.2	54	35.21	33.3	9.96	33.67	108	352	A	H	
	*	5180	100.19	-	-	90.85	32.86	10.12	33.64	108	352	P	H	
	*	5180	93.04	-	-	83.7	32.86	10.12	33.64	108	352	A	H	
													H	
														H
			5062.66	52.98	-21.02	74	43.47	33.2	9.98	33.67	106	122	P	V
			5059.02	44.42	-9.58	54	34.89	33.23	9.97	33.67	106	122	A	V
		*	5180	93.13	-	-	83.79	32.86	10.12	33.64	106	122	P	V
		*	5180	86.59	-	-	77.25	32.86	10.12	33.64	106	122	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5000	53.64	-20.36	74	44.12	33.3	9.9	33.68	100	343	P	H	
		5036.92	44.47	-9.53	54	34.9	33.3	9.94	33.67	100	343	A	H	
		*	5220	98.25	-	-	88.75	32.98	10.16	33.64	100	343	P	H
		*	5220	92.01	-	-	82.51	32.98	10.16	33.64	100	343	A	H
			5394.48	51.13	-22.87	74	41.56	32.79	10.38	33.6	100	343	P	H
			5405.68	43.44	-10.56	54	33.85	32.8	10.39	33.6	100	343	A	H
			5086.84	53.03	-20.97	74	43.68	33.01	10	33.66	110	184	P	V
			5071.24	44.4	-9.6	54	34.95	33.13	9.99	33.67	110	184	A	V
		*	5220	93.28	-	-	83.78	32.98	10.16	33.64	110	184	P	V
		*	5220	86.14	-	-	76.64	32.98	10.16	33.64	110	184	A	V
		5352.76	51.01	-22.99	74	41.58	32.71	10.33	33.61	110	184	P	V	
		5443.48	43.29	-10.71	54	33.69	32.8	10.39	33.59	110	184	A	V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 48 5240MHz		5083.72	54.35	-19.65	74	44.98	33.03	10	33.66	100	346	P	H
		5073.32	44.45	-9.55	54	35.02	33.11	9.99	33.67	100	346	A	H
	*	5240	98.03	-	-	88.41	33.06	10.19	33.63	100	346	P	H
	*	5240	91.82	-	-	82.2	33.06	10.19	33.63	100	346	A	H
		5453.56	51.63	-22.37	74	42.02	32.81	10.39	33.59	100	346	P	H
		5382.16	43.39	-10.61	54	33.86	32.76	10.37	33.6	100	346	A	H
		5020.54	52.58	-21.42	74	43.04	33.3	9.92	33.68	106	183	P	V
		5063.18	44.25	-9.75	54	34.75	33.19	9.98	33.67	106	183	A	V
	*	5240	93.36	-	-	83.74	33.06	10.19	33.63	106	183	P	V
	*	5240	86.03	-	-	76.41	33.06	10.19	33.63	106	183	A	V
		5391.12	50.69	-23.31	74	41.13	32.78	10.38	33.6	106	183	P	V
		5427.24	43.46	-10.54	54	33.86	32.8	10.39	33.59	106	183	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	50.41	-17.79	68.2	62.91	38.66	16.17	67.33	233	1	P	H	
		15540	47.92	-26.08	74	55.67	38.1	21.29	67.14	-	-	P	H	
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													H	
													H	
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													H	
													H	
													H	
			10360	47.97	-20.23	68.2	60.47	38.66	16.17	67.33	-	-	P	V
			15540	47.94	-26.06	74	55.69	38.1	21.29	67.14	-	-	P	V
														V
														V
														V
														V
														V
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 44 5220MHz		10440	47.68	-20.52	68.2	59.94	38.74	16.24	67.24	-	-	P	H
		15660	47.89	-26.11	74	56	37.68	21.43	67.22	-	-	P	H
													H
													H
													H
													H
													H
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													H
													H
													H
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													H
													H
													H
													H
			10440	47.32	-20.88	68.2	59.58	38.74	16.24	67.24	-	-	P
		15660	47.94	-26.06	74	56.05	37.68	21.43	67.22	-	-	P	V
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WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 48 5240MHz		10480	46.73	-21.47	68.2	58.87	38.78	16.28	67.2	-	-	P	H	
		15720	47.37	-26.63	74	55.54	37.6	21.49	67.26	-	-	P	H	
													H	
													H	
													H	
													H	
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			10480	46.18	-22.02	68.2	58.32	38.78	16.28	67.2	-	-	P	V
			15720	47.89	-26.11	74	56.06	37.6	21.49	67.26	-	-	P	V
														V
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													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 1 5150~5250MHz
WIFI 802.11n HT40 (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 HT40 CH 38 5190MHz		5150	59.31	-14.69	74	50.08	32.8	10.08	33.65	111	343	P	H
		5150	47.42	-6.58	54	38.19	32.8	10.08	33.65	111	343	A	H
	*	5190	98.53	-	-	89.16	32.88	10.13	33.64	111	343	P	H
	*	5190	91.43	-	-	82.06	32.88	10.13	33.64	111	343	A	H
		5384.4	51.84	-22.16	74	42.3	32.77	10.37	33.6	111	343	P	H
		5447.4	44.29	-9.71	54	34.69	32.8	10.39	33.59	111	343	A	H
		5036.66	54.01	-19.99	74	44.44	33.3	9.94	33.67	171	183	P	V
		5045.24	45.21	-8.79	54	35.63	33.3	9.95	33.67	171	183	A	V
	*	5190	89.57	-	-	80.2	32.88	10.13	33.64	171	183	P	V
	*	5190	83.18	-	-	73.81	32.88	10.13	33.64	171	183	A	V
		5423.32	52.17	-21.83	74	42.58	32.8	10.39	33.6	171	183	P	V
		5402.04	43.81	-10.19	54	34.22	32.8	10.39	33.6	171	183	A	V
802.11n HT40 CH 46 5230MHz		5079.3	54.04	-19.96	74	44.63	33.07	10	33.66	109	353	P	H
		5071.24	45.13	-8.87	54	35.68	33.13	9.99	33.67	109	353	A	H
	*	5230	97.19	-	-	87.62	33.02	10.18	33.63	109	353	P	H
	*	5230	90.55	-	-	80.98	33.02	10.18	33.63	109	353	A	H
		5389.16	52.57	-21.43	74	43.01	32.78	10.38	33.6	109	353	P	H
		5445.72	44.13	-9.87	54	34.53	32.8	10.39	33.59	109	353	A	H
		5091	53.97	-20.03	74	44.65	32.97	10.01	33.66	181	182	P	V
		5006.24	45.18	-8.82	54	35.65	33.3	9.91	33.68	181	182	A	V
	*	5230	87.88	-	-	78.31	33.02	10.18	33.63	181	182	P	V
	*	5230	81.67	-	-	72.1	33.02	10.18	33.63	181	182	A	V
	5392.8	50.78	-23.22	74	41.21	32.79	10.38	33.6	181	182	P	V	
	5431.16	44.02	-9.98	54	34.42	32.8	10.39	33.59	181	182	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 HT40 (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 HT40 CH 38 5190MHz		10380	47.4	-20.8	68.2	59.84	38.68	16.19	67.31	-	-	P	H	
		15570	47.87	-26.13	74	55.76	37.95	21.32	67.16	-	-	P	H	
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													H	
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													H	
													H	
													H	
													H	
			10380	46.29	-21.91	68.2	58.73	38.68	16.19	67.31	-	-	P	V
			15570	47.35	-26.65	74	55.24	37.95	21.32	67.16	-	-	P	V
														V
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WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 46 5230MHz		10460	46.87	-21.33	68.2	59.07	38.76	16.26	67.22	-	-	P	H
		15690	47.93	-26.07	74	56.09	37.62	21.46	67.24	-	-	P	H
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													H
	Remark	1. No other spurious found.											
2. All results are PASS against Peak and Average limit line.													
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5144.3	57.32	-16.68	74	48.09	32.81	10.07	33.65	100	343	P	H
		5145.6	50.89	-3.11	54	41.66	32.81	10.07	33.65	100	343	A	H
	*	5210	95.2	-	-	85.75	32.94	10.15	33.64	100	343	P	H
	*	5210	88.38	-	-	78.93	32.94	10.15	33.64	100	343	A	H
		5415.2	51.9	-22.1	74	42.31	32.8	10.39	33.6	100	343	P	H
		5365.08	45.82	-8.18	54	36.35	32.73	10.35	33.61	100	343	A	H
		5033.28	53.92	-20.08	74	44.35	33.3	9.94	33.67	185	183	P	V
		5026.26	46.54	-7.46	54	36.98	33.3	9.93	33.67	185	183	A	V
	*	5210	85.1	-	-	75.65	32.94	10.15	33.64	185	183	P	V
	*	5210	79.32	-	-	69.87	32.94	10.15	33.64	185	183	A	V
		5426.68	51.58	-22.42	74	41.98	32.8	10.39	33.59	185	183	P	V
	5423.32	45.83	-8.17	54	36.24	32.8	10.39	33.6	185	183	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (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)	
802.11ac VHT80 CH 42 5210MHz		10420	48.1	-20.1	68.2	60.43	38.72	16.22	67.27	-	-	P	H	
		15630	47.87	-26.13	74	55.93	37.74	21.4	67.2	-	-	P	H	
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													H	
			10420	47.15	-21.05	68.2	59.48	38.72	16.22	67.27	-	-	P	V
			15630	47.82	-26.18	74	55.88	37.74	21.4	67.2	-	-	P	V
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													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 2 - 5250~5350MHz

WIFI 802.11a (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		5015.3	53.43	-20.57	74	43.89	33.3	9.92	33.68	123	342	P	H
		5049.3	44.3	-9.7	54	34.71	33.3	9.96	33.67	123	342	A	H
	*	5260	99.69	-	-	90.02	33.08	10.22	33.63	123	342	P	H
	*	5260	92.99	-	-	83.32	33.08	10.22	33.63	123	342	A	H
		5423.52	52.37	-21.63	74	42.78	32.8	10.39	33.6	123	342	P	H
		5394.48	43.32	-10.68	54	33.75	32.79	10.38	33.6	123	342	A	H
		5064.26	53.47	-20.53	74	43.97	33.19	9.98	33.67	100	187	P	V
		5059.16	44.39	-9.61	54	34.86	33.23	9.97	33.67	100	187	A	V
	*	5260	92.34	-	-	82.67	33.08	10.22	33.63	100	187	P	V
	*	5260	84.83	-	-	75.16	33.08	10.22	33.63	100	187	A	V
		5366.16	51.16	-22.84	74	41.69	32.73	10.35	33.61	100	187	P	V
		5434.32	43.11	-10.89	54	33.51	32.8	10.39	33.59	100	187	A	V
802.11a CH 60 5300MHz		5053.72	53.64	-20.36	74	44.08	33.27	9.96	33.67	106	342	P	H
		5055.76	44.41	-9.59	54	34.86	33.25	9.97	33.67	106	342	A	H
	*	5300	99.36	-	-	89.71	33	10.27	33.62	106	342	P	H
	*	5300	93.74	-	-	84.09	33	10.27	33.62	106	342	A	H
		5382.72	51.64	-22.36	74	42.1	32.77	10.37	33.6	106	342	P	H
		5383.2	43.44	-10.56	54	33.9	32.77	10.37	33.6	106	342	A	H
		5051.34	53.4	-20.6	74	43.82	33.29	9.96	33.67	100	186	P	V
		5025.5	44.27	-9.73	54	34.71	33.3	9.93	33.67	100	186	A	V
	*	5300	92.75	-	-	83.1	33	10.27	33.62	100	186	P	V
	*	5300	86.02	-	-	76.37	33	10.27	33.62	100	186	A	V
		5358.24	51.44	-22.56	74	41.99	32.72	10.34	33.61	100	186	P	V
		5405.28	43.22	-10.78	54	33.63	32.8	10.39	33.6	100	186	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz	*	5320	101.17	-	-	91.62	32.88	10.29	33.62	122	343	P	H
	*	5320	94.61	-	-	85.06	32.88	10.29	33.62	122	343	A	H
		5357.92	52.38	-21.62	74	42.93	32.72	10.34	33.61	122	343	P	H
		5355.68	43.79	-10.21	54	34.36	32.71	10.33	33.61	122	343	A	H
													H
													H
	*	5320	94.39	-	-	84.84	32.88	10.29	33.62	100	187	P	V
	*	5320	87.77	-	-	78.22	32.88	10.29	33.62	100	187	A	V
		5385.44	51.1	-22.9	74	41.56	32.77	10.37	33.6	100	187	P	V
		5448.8	43.26	-10.74	54	33.66	32.8	10.39	33.59	100	187	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	48.86	-19.34	68.2	60.86	38.86	16.31	67.17	-	-	P	H
		15780	47.95	-26.05	74	56.1	37.6	21.56	67.31	-	-	P	H
													H
													H
													H
													H
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													H
													H
													H
			10520	47.39	-20.81	68.2	59.39	38.86	16.31	67.17	-	-	P
		15780	47.89	-26.11	74	56.04	37.6	21.56	67.31	-	-	P	V
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WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 60 5300MHz		10600	47.9	-26.1	74	59.53	39.1	16.38	67.11	-	-	P	H	
		15900	54.54	-19.46	74	62.73	37.5	21.7	67.39	206	312	P	H	
		15900	44.14	-9.86	54	52.33	37.5	21.7	67.39	206	312	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10600	47.66	-26.34	74	59.29	39.1	16.38	67.11	-	-	P	V
			15900	53.26	-20.74	74	61.45	37.5	21.7	67.39	302	45	P	V
			15900	42.44	-11.56	54	50.63	37.5	21.7	67.39	302	45	A	V
														V
														V
														V
														V
														V
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 64 5320MHz		10640	52.39	-21.61	74	63.91	39.14	16.42	67.08	205	1	P	H	
		10640	42.15	-11.85	54	53.67	39.14	16.42	67.08	205	1	A	H	
		15960	55.18	-18.82	74	63.4	37.44	21.77	67.43	205	315	P	H	
		15960	44.56	-9.44	54	52.78	37.44	21.77	67.43	205	315	A	H	
													H	
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													H	
													H	
													H	
			10640	46.76	-27.24	74	58.28	39.14	16.42	67.08	-	-	P	V
			15960	53.63	-20.37	74	61.85	37.44	21.77	67.43	395	45	P	V
			15960	43.01	-10.99	54	51.23	37.44	21.77	67.43	395	45	A	V
														V
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													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. 													



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		5103.02	53.49	-20.51	74	44.24	32.89	10.02	33.66	121	342	P	H
		5066.64	44.31	-9.69	54	34.83	33.17	9.98	33.67	121	342	A	H
	*	5260	99.06	-	-	89.39	33.08	10.22	33.63	121	342	P	H
	*	5260	92.76	-	-	83.09	33.08	10.22	33.63	121	342	A	H
		5428.08	51.46	-22.54	74	41.86	32.8	10.39	33.59	121	342	P	H
		5458.8	43.28	-10.72	54	33.66	32.82	10.39	33.59	121	342	A	H
		5011.56	53.9	-20.1	74	44.37	33.3	9.91	33.68	100	188	P	V
		5058.48	44.39	-9.61	54	34.86	33.23	9.97	33.67	100	188	A	V
	*	5260	91.62	-	-	81.95	33.08	10.22	33.63	100	188	P	V
	*	5260	84.7	-	-	75.03	33.08	10.22	33.63	100	188	A	V
		5391.84	51.18	-22.82	74	41.62	32.78	10.38	33.6	100	188	P	V
		5446.08	43.29	-10.71	54	33.69	32.8	10.39	33.59	100	188	A	V
802.11n HT20 CH 60 5300MHz		5065.62	52.43	-21.57	74	42.94	33.18	9.98	33.67	100	354	P	H
		5061.88	44.36	-9.64	54	34.86	33.2	9.97	33.67	100	354	A	H
	*	5300	98.92	-	-	89.27	33	10.27	33.62	100	354	P	H
	*	5300	93.03	-	-	83.38	33	10.27	33.62	100	354	A	H
		5389.44	51.13	-22.87	74	41.57	32.78	10.38	33.6	100	354	P	H
		5357.28	43.52	-10.48	54	34.08	32.71	10.34	33.61	100	354	A	H
		5102	52.62	-21.38	74	43.36	32.9	10.02	33.66	100	187	P	V
		5062.22	44.26	-9.74	54	34.76	33.2	9.97	33.67	100	187	A	V
	*	5300	91.35	-	-	81.7	33	10.27	33.62	100	187	P	V
	*	5300	85.97	-	-	76.32	33	10.27	33.62	100	187	A	V
	5454	52.09	-21.91	74	42.48	32.81	10.39	33.59	100	187	P	V	
	5436	43.17	-10.83	54	33.57	32.8	10.39	33.59	100	187	A	V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz	*	5320	100.15	-	-	90.6	32.88	10.29	33.62	121	343	P	H
	*	5320	93.88	-	-	84.33	32.88	10.29	33.62	121	343	A	H
		5354.08	53.67	-20.33	74	44.24	32.71	10.33	33.61	121	343	P	H
		5399.68	43.64	-10.36	54	34.05	32.8	10.39	33.6	121	343	A	H
													H
													H
	*	5320	94.12	-	-	84.57	32.88	10.29	33.62	100	187	P	V
	*	5320	87.01	-	-	77.46	32.88	10.29	33.62	100	187	A	V
		5457.12	51.04	-22.96	74	41.43	32.81	10.39	33.59	100	187	P	V
		5370.4	43.26	-10.74	54	33.78	32.74	10.35	33.61	100	187	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)	
802.11n HT20 CH 52 5260MHz		10520	47.77	-20.43	68.2	59.77	38.86	16.31	67.17	-	-	P	H	
		15780	52.37	-21.63	74	60.52	37.6	21.56	67.31	199	7	P	H	
		15780	43.78	-10.22	54	51.93	37.6	21.56	67.31	199	7	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10520	47.95	-20.25	68.2	59.95	38.86	16.31	67.17	-	-	P	V
			15780	50.19	-23.81	74	58.34	37.6	21.56	67.31	271	21	P	V
			15780	41.09	-12.91	54	49.24	37.6	21.56	67.31	271	21	A	V
														V
														V
														V
													V	
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 60 5300MHz		10600	51.09	-22.91	74	62.72	39.1	16.38	67.11	285	133	P	H	
		10600	41.19	-12.81	54	52.82	39.1	16.38	67.11	285	133	A	H	
		15900	50.79	-23.21	74	58.98	37.5	21.7	67.39	233	121	P	H	
		15900	41.73	-12.27	54	49.92	37.5	21.7	67.39	233	121	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10600	47.98	-26.02	74	59.61	39.1	16.38	67.11	-	-	P	V
			15900	49.17	-24.83	74	57.36	37.5	21.7	67.39	336	263	P	V
			15900	40.73	-13.27	54	48.92	37.5	21.7	67.39	336	263	A	V
														V
														V
														V
														V
														V
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 64 5320MHz		10640	52.09	-21.91	74	63.61	39.14	16.42	67.08	307	166	P	H	
		10640	43.16	-10.84	54	54.68	39.14	16.42	67.08	307	166	A	H	
		15960	51.62	-22.38	74	59.84	37.44	21.77	67.43	265	112	P	H	
		15960	42.76	-11.24	54	50.98	37.44	21.77	67.43	265	112	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10640	48.91	-25.09	74	60.43	39.14	16.42	67.08	100	205	P	V
			10640	41.41	-12.59	54	52.93	39.14	16.42	67.08	100	205	A	V
			15960	49.72	-24.28	74	57.94	37.44	21.77	67.43	309	233	P	V
			15960	40.98	-13.02	54	49.2	37.44	21.77	67.43	309	233	A	V
														V
														V
													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. 													



Band 2 5250~5350MHz
WIFI 802.11n HT40 (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 HT40 CH 54 5270MHz		5041.14	53.99	-20.01	74	44.41	33.3	9.95	33.67	116	343	P	H
		5063.92	44.97	-9.03	54	35.47	33.19	9.98	33.67	116	343	A	H
	*	5270	97.75	-	-	88.09	33.06	10.23	33.63	116	343	P	H
	*	5270	90.4	-	-	80.74	33.06	10.23	33.63	116	343	A	H
		5408.64	50.96	-23.04	74	41.37	32.8	10.39	33.6	116	343	P	H
		5398.08	44.19	-9.81	54	34.6	32.8	10.39	33.6	116	343	A	H
		5065.62	53.76	-20.24	74	44.27	33.18	9.98	33.67	100	187	P	V
		5042.16	44.94	-9.06	54	35.36	33.3	9.95	33.67	100	187	A	V
	*	5270	89.32	-	-	79.66	33.06	10.23	33.63	100	187	P	V
	*	5270	82.68	-	-	73.02	33.06	10.23	33.63	100	187	A	V
		5395.2	50.69	-23.31	74	41.12	32.79	10.38	33.6	100	187	P	V
		5366.64	43.82	-10.18	54	34.35	32.73	10.35	33.61	100	187	A	V
	802.11n HT40 CH 62 5310MHz		5003.74	54	-20	74	44.48	33.3	9.9	33.68	100	342	P
		5069.7	45.19	-8.81	54	35.74	33.14	9.98	33.67	100	342	A	H
*		5310	96.95	-	-	87.35	32.94	10.28	33.62	100	342	P	H
*		5310	90.61	-	-	81.01	32.94	10.28	33.62	100	342	A	H
		5358.96	51.88	-22.12	74	42.43	32.72	10.34	33.61	100	342	P	H
		5350.56	45.12	-8.88	54	35.7	32.7	10.33	33.61	100	342	A	H
		5134.3	53.08	-20.92	74	43.84	32.83	10.06	33.65	100	186	P	V
		5047.26	44.97	-9.03	54	35.38	33.3	9.96	33.67	100	186	A	V
*		5310	90.19	-	-	80.59	32.94	10.28	33.62	100	186	P	V
*		5310	83.79	-	-	74.19	32.94	10.28	33.62	100	186	A	V
	5436.72	50.98	-23.02	74	41.38	32.8	10.39	33.59	100	186	P	V	
	5359.68	43.99	-10.01	54	34.54	32.72	10.34	33.61	100	186	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (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 HT40 CH 54 5270MHz		10540	47.82	-20.38	68.2	59.72	38.92	16.33	67.15	-	-	P	H	
		15810	51.59	-22.41	74	59.74	37.59	21.59	67.33	276	137	P	H	
		15810	42.14	-11.86	54	50.29	37.59	21.59	67.33	276	137	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10540	47.68	-20.52	68.2	59.58	38.92	16.33	67.15	-	-	P	V
			15810	47.98	-26.02	74	56.13	37.59	21.59	67.33	-	-	P	V
														V
														V
														V
														V
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 62 5310MHz		10620	47.88	-26.12	74	59.45	39.12	16.4	67.09	-	-	P	H	
		15930	49.48	-24.52	74	57.69	37.47	21.73	67.41	216	113	P	H	
		15930	41.15	-12.85	54	49.36	37.47	21.73	67.41	216	113	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10620	47.97	-26.03	74	59.54	39.12	16.4	67.09	-	-	P	V
			15930	50.14	-23.86	74	58.35	37.47	21.73	67.41	179	216	P	V
			15930	41.42	-12.58	54	49.63	37.47	21.73	67.41	179	216	A	V
														V
														V
														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. 													



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5089.76	53.4	-20.6	74	44.07	32.98	10.01	33.66	110	343	P	H
		5058.14	46.53	-7.47	54	37	33.23	9.97	33.67	110	343	A	H
	*	5290	93.79	-	-	84.14	33.02	10.25	33.62	110	343	P	H
	*	5290	87.89	-	-	78.24	33.02	10.25	33.62	110	343	A	H
		5365.44	55.25	-18.75	74	45.78	32.73	10.35	33.61	110	343	P	H
		5354.64	49.55	-4.45	54	40.12	32.71	10.33	33.61	110	343	A	H
		5123.42	52.81	-21.19	74	43.57	32.85	10.05	33.66	103	179	P	V
		5025.5	46.51	-7.49	54	36.95	33.3	9.93	33.67	103	179	A	V
	*	5290	86.32	-	-	76.67	33.02	10.25	33.62	103	179	P	V
	*	5290	79.88	-	-	70.23	33.02	10.25	33.62	103	179	A	V
		5382.48	51.53	-22.47	74	42	32.76	10.37	33.6	103	179	P	V
	5401.44	45.41	-8.59	54	35.82	32.8	10.39	33.6	103	179	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (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)	
802.11ac VHT80 CH 58 5290MHz		10580	47.8	-20.4	68.2	59.51	39.04	16.37	67.12	-	-	P	H	
		15870	48.86	-25.14	74	57.03	37.53	21.67	67.37	237	133	P	H	
		15870	41.19	-12.81	54	49.36	37.53	21.67	67.37	237	133	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10580	47.03	-21.17	68.2	58.74	39.04	16.37	67.12	-	-	P	V
			15870	49.59	-24.41	74	57.76	37.53	21.67	67.37	106	96	P	V
			15870	41.56	-12.44	54	49.73	37.53	21.67	67.37	106	96	A	V
														V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



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		5357.52	51.7	-22.3	74	42.25	32.72	10.34	33.61	100	0	P	H	
		5470	52.77	-15.43	68.2	43.13	32.84	10.39	33.59	100	0	P	H	
		5458.16	43.64	-10.36	54	34.02	32.82	10.39	33.59	100	0	A	H	
	*	5500	100.77	-	-	91.05	32.9	10.4	33.58	100	0	P	H	
	*	5500	94.18	-	-	84.46	32.9	10.4	33.58	100	0	A	H	
														H
			5441.04	50.75	-23.25	74	41.15	32.8	10.39	33.59	112	116	P	V
			5461.68	49.96	-18.24	68.2	40.34	32.82	10.39	33.59	112	116	P	V
			5458	42.96	-11.04	54	33.34	32.82	10.39	33.59	112	116	A	V
	*		5500	97.36	-	-	87.64	32.9	10.4	33.58	112	116	P	V
	*		5500	91	-	-	81.28	32.9	10.4	33.58	112	116	A	V
														V
802.11a CH 116 5580MHz		5456.56	51.34	-22.66	74	41.73	32.81	10.39	33.59	129	43	P	H	
		5462.56	50.42	-17.78	68.2	40.79	32.83	10.39	33.59	129	43	P	H	
		5457.04	43.69	-10.31	54	34.08	32.81	10.39	33.59	129	43	A	H	
	*	5580	101.31	-	-	91.5	33	10.4	33.59	129	43	P	H	
	*	5580	94.31	-	-	84.5	33	10.4	33.59	129	43	A	H	
			5742.95	54.9	-13.3	68.2	44.28	33.66	10.56	33.6	129	43	P	H
			5351.2	51.08	-22.92	74	41.66	32.7	10.33	33.61	117	105	P	V
			5464.72	50.87	-17.33	68.2	41.24	32.83	10.39	33.59	117	105	P	V
			5444.56	43.53	-10.47	54	33.93	32.8	10.39	33.59	117	105	A	V
	*		5580	98.71	-	-	88.9	33	10.4	33.59	117	105	P	V
	*		5580	91.97	-	-	82.16	33	10.4	33.59	117	105	A	V
			5756.18	52.92	-15.28	68.2	42.23	33.72	10.58	33.61	117	105	P	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz	*	5700	103.89	-	-	93.58	33.4	10.51	33.6	108	66	P	H
	*	5700	97.28	-	-	86.97	33.4	10.51	33.6	108	66	A	H
		5725.16	56.71	-11.49	68.2	46.22	33.55	10.54	33.6	108	66	P	H
													H
													H
													H
	*	5700	99.54	-	-	89.23	33.4	10.51	33.6	100	98	P	V
	*	5700	92.89	-	-	82.58	33.4	10.51	33.6	100	98	A	V
		5759.48	54.81	-13.39	68.2	44.1	33.74	10.58	33.61	100	98	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 100 5500MHz		11000	54.97	-19.03	74	66.14	38.9	16.75	66.82	199	314	P	H	
		11000	44.46	-9.54	54	55.63	38.9	16.75	66.82	199	314	A	H	
		16500	53.66	-14.54	68.2	60.55	38.3	22.06	67.25	377	168	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11000	51.38	-22.62	74	62.55	38.9	16.75	66.82	100	305	P	V
			11000	42.23	-11.77	54	53.4	38.9	16.75	66.82	100	305	A	V
			16500	51.03	-17.17	68.2	57.92	38.3	22.06	67.25	183	93	P	V
														V
														V
														V
														V
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 116 5580MHz		11160	54.25	-19.75	74	65	38.96	16.87	66.58	220	315	P	H	
		11160	43.51	-10.49	54	54.26	38.96	16.87	66.58	220	315	A	H	
		16740	55.52	-12.68	68.2	62.39	37.7	22.17	66.74	233	283	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11160	50.73	-23.27	74	61.48	38.96	16.87	66.58	118	309	P	V
			11160	41.85	-12.15	54	52.6	38.96	16.87	66.58	118	309	A	V
			16740	51.55	-16.65	68.2	58.42	37.7	22.17	66.74	144	263	P	V
														V
														V
														V
														V
														V
														V
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 140 5700MHz		11400	54.03	-19.97	74	64.09	39.1	17.07	66.23	212	314	P	H	
		11400	43.8	-10.2	54	53.86	39.1	17.07	66.23	212	314	A	H	
		17100	54.28	-13.92	68.2	60.79	37.6	22.35	66.46	317	76	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11400	49.76	-24.24	74	59.82	39.1	17.07	66.23	113	296	P	V
			11400	38.79	-15.21	54	48.85	39.1	17.07	66.23	113	296	A	V
			17100	51.89	-16.31	68.2	58.4	37.6	22.35	66.46	293	65	P	V
														V
														V
														V
														V
														V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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		5421.84	51.39	-22.61	74	41.8	32.8	10.39	33.6	398	50	P	H	
		5465.68	51.28	-16.92	68.2	41.65	32.83	10.39	33.59	398	50	P	H	
		5431.76	43.54	-10.46	54	33.94	32.8	10.39	33.59	398	50	A	H	
	*	5500	99.36	-	-	89.64	32.9	10.4	33.58	398	50	P	H	
	*	5500	92.97	-	-	83.25	32.9	10.4	33.58	398	50	A	H	
														H
			5458.48	51.34	-22.66	74	41.72	32.82	10.39	33.59	100	116	P	V
			5466.8	50.81	-17.39	68.2	41.18	32.83	10.39	33.59	100	116	P	V
			5458.8	43.81	-10.19	54	34.19	32.82	10.39	33.59	100	116	A	V
	*		5500	97.29	-	-	87.57	32.9	10.4	33.58	100	116	P	V
	*		5500	90.23	-	-	80.51	32.9	10.4	33.58	100	116	A	V
													V	
802.11n HT20 CH 116 5580MHz		5428.24	50.67	-23.33	74	41.07	32.8	10.39	33.59	271	46	P	H	
		5464.48	50.83	-17.37	68.2	41.2	32.83	10.39	33.59	271	46	P	H	
		5458.96	43.44	-10.56	54	33.82	32.82	10.39	33.59	271	46	A	H	
	*	5580	101.11	-	-	91.3	33	10.4	33.59	271	46	P	H	
	*	5580	93.71	-	-	83.9	33	10.4	33.59	271	46	A	H	
			5753.66	53.69	-14.51	68.2	43.01	33.71	10.58	33.61	271	46	P	H
			5381.68	52.64	-21.36	74	43.11	32.76	10.37	33.6	127	104	P	V
			5463.52	51.41	-16.79	68.2	41.78	32.83	10.39	33.59	127	104	P	V
			5458.24	43.57	-10.43	54	33.95	32.82	10.39	33.59	127	104	A	V
	*		5580	98.71	-	-	88.9	33	10.4	33.59	127	104	P	V
	*		5580	91.42	-	-	81.61	33	10.4	33.59	127	104	A	V
		5747.99	53.64	-14.56	68.2	42.98	33.69	10.57	33.6	127	104	P	V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 140 5700MHz	*	5700	102.94	-	-	92.63	33.4	10.51	33.6	270	45	P	H
	*	5700	96.5	-	-	86.19	33.4	10.51	33.6	270	45	A	H
		5733.56	57.34	-10.86	68.2	46.79	33.6	10.55	33.6	270	45	P	H
													H
													H
													H
	*	5700	100.05	-	-	89.74	33.4	10.51	33.6	100	195	P	V
	*	5700	92.93	-	-	82.62	33.4	10.51	33.6	100	195	A	V
		5727	56.3	-11.9	68.2	45.79	33.56	10.55	33.6	100	195	P	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	53.76	-20.24	74	64.93	38.9	16.75	66.82	202	316	P	H	
		11000	44.33	-9.67	54	55.5	38.9	16.75	66.82	202	316	A	H	
		16500	52.35	-15.85	68.2	59.24	38.3	22.06	67.25	174	261	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11000	51.55	-22.45	74	62.72	38.9	16.75	66.82	107	299	P	V
			11000	42.76	-11.24	54	53.93	38.9	16.75	66.82	107	299	A	V
			16500	51.08	-17.12	68.2	57.97	38.3	22.06	67.25	276	138	P	V
														V
														V
														V
														V
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 116 5580MHz		11160	53.62	-20.38	74	64.37	38.96	16.87	66.58	222	313	P	H	
		11160	42.99	-11.01	54	53.74	38.96	16.87	66.58	222	313	A	H	
		16740	52.82	-15.38	68.2	59.69	37.7	22.17	66.74	312	96	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11160	47.84	-26.16	74	58.59	38.96	16.87	66.58	-	-	P	V
			16740	51.1	-17.1	68.2	57.97	37.7	22.17	66.74	177	89	P	V
														V
														V
														V
														V
														V
														V
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 140 5700MHz		11400	53.63	-20.37	74	63.69	39.1	17.07	66.23	209	316	P	H	
		11400	44.24	-9.76	54	54.3	39.1	17.07	66.23	209	316	A	H	
		17100	59.61	-8.59	68.2	66.12	37.6	22.35	66.46	100	5	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11400	53.15	-20.85	74	63.21	39.1	17.07	66.23	100	312	P	V
			11400	43.29	-10.71	54	53.35	39.1	17.07	66.23	100	312	A	V
			17100	57.43	-10.77	68.2	63.94	37.6	22.35	66.46	298	57	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



**Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (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 HT40 CH 102 5510MHz		5446.24	54.7	-19.3	74	45.1	32.8	10.39	33.59	100	0	P	H
		5469.28	61.01	-7.19	68.2	51.37	32.84	10.39	33.59	100	0	P	H
		5459.68	45.25	-8.75	54	35.63	32.82	10.39	33.59	100	0	A	H
	*	5510	96.79	-	-	87.05	32.92	10.4	33.58	100	0	P	H
	*	5510	90.34	-	-	80.6	32.92	10.4	33.58	100	0	A	H
		5761.535	54.2	-14	68.2	43.47	33.75	10.59	33.61	100	0	P	H
		5446.72	52.3	-21.7	74	42.7	32.8	10.39	33.59	100	111	P	V
		5468.08	56.32	-11.88	68.2	46.68	32.84	10.39	33.59	100	111	P	V
		5459.2	44.47	-9.53	54	34.85	32.82	10.39	33.59	100	111	A	V
	*	5510	93.91	-	-	84.17	32.92	10.4	33.58	100	111	P	V
	*	5510	87.32	-	-	77.58	32.92	10.4	33.58	100	111	A	V
	5756.495	55.25	-12.95	68.2	44.55	33.73	10.58	33.61	100	111	P	V	
802.11n HT40 CH 110 5550MHz		5436.4	52.57	-21.43	74	42.97	32.8	10.39	33.59	100	354	P	H
		5464.48	51.27	-16.93	68.2	41.64	32.83	10.39	33.59	100	354	P	H
		5451.76	44.5	-9.5	54	34.9	32.8	10.39	33.59	100	354	A	H
	*	5550	98.38	-	-	88.57	33	10.4	33.59	100	354	P	H
	*	5550	90.89	-	-	81.08	33	10.4	33.59	100	354	A	H
		5743.265	54.85	-13.35	68.2	44.23	33.66	10.56	33.6	100	354	P	H
		5386	51.64	-22.36	74	42.1	32.77	10.37	33.6	115	103	P	V
		5469.28	51.24	-16.96	68.2	41.6	32.84	10.39	33.59	115	103	P	V
		5454.88	44.28	-9.72	54	34.67	32.81	10.39	33.59	115	103	A	V
	*	5550	94.49	-	-	84.68	33	10.4	33.59	115	103	P	V
	*	5550	87.79	-	-	77.98	33	10.4	33.59	115	103	A	V
	5743.265	55.16	-13.04	68.2	44.54	33.66	10.56	33.6	115	103	P	V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 134 5670MHz		5384.65	51.83	-22.17	74	42.29	32.77	10.37	33.6	100	356	P	H
		5464.8	50.77	-17.43	68.2	41.14	32.83	10.39	33.59	100	356	P	H
		5415.1	44.09	-9.91	54	34.5	32.8	10.39	33.6	100	356	A	H
	*	5670	98.17	-	-	88.07	33.22	10.48	33.6	100	356	P	H
	*	5670	92.35	-	-	82.25	33.22	10.48	33.6	100	356	A	H
		5752.05	54.97	-13.23	68.2	44.3	33.71	10.57	33.61	100	356	P	H
		5394.8	51.52	-22.48	74	41.95	32.79	10.38	33.6	176	200	P	V
		5466.9	51.62	-16.58	68.2	41.99	32.83	10.39	33.59	176	200	P	V
		5428.75	44.07	-9.93	54	34.47	32.8	10.39	33.59	176	200	A	V
	*	5670	97.1	-	-	87	33.22	10.48	33.6	176	200	P	V
	*	5670	90.2	-	-	80.1	33.22	10.48	33.6	176	200	A	V
		5743.825	55.53	-12.67	68.2	44.9	33.66	10.57	33.6	176	200	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (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 HT40 CH 102 5510MHz		11020	47.97	-26.03	74	59.09	38.9	16.77	66.79	-	-	P	H	
		16530	52.29	-15.91	68.2	59.32	38.09	22.07	67.19	112	36	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11020	47.67	-26.33	74	58.79	38.9	16.77	66.79	-	-	P	V
			16530	50.59	-17.61	68.2	57.62	38.09	22.07	67.19	271	66	P	V
														V
														V
														V
														V
													V	
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 110 5550MHz		11100	51.45	-22.55	74	62.39	38.9	16.83	66.67	223	307	P	H	
		11100	41	-13	54	51.94	38.9	16.83	66.67	223	307	A	H	
		16650	50.65	-17.55	68.2	57.81	37.65	22.12	66.93	109	31	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11100	51	-23	74	61.94	38.9	16.83	66.67	121	304	P	V
			11100	41.94	-12.06	54	52.88	38.9	16.83	66.67	121	304	A	V
		*	16650	49.99	-18.21	68.2	57.16	37.65	22.12	66.94	288	47	P	V
														V
														V
														V
														V
														V
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 134 5670MHz		11340	49.1	-24.9	74	59.29	39.1	17.03	66.32	264	332	P	H	
		11340	39.18	-14.82	54	49.37	39.1	17.03	66.32	264	332	A	H	
		17010	50.69	-17.51	68.2	57.19	37.42	22.3	66.22	100	26	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11340	47.86	-26.14	74	58.05	39.1	17.03	66.32	-	-	P	V
			17010	50.24	-17.96	68.2	56.74	37.42	22.3	66.22	312	88	P	V
														V
														V
														V
														V
														V
														V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5444.08	55.07	-18.93	74	45.47	32.8	10.39	33.59	100	66	P	H
		5465.68	56.67	-11.53	68.2	47.04	32.83	10.39	33.59	100	66	P	H
		5459.2	49.17	-4.83	54	39.55	32.82	10.39	33.59	100	66	A	H
	*	5530	94.1	-	-	84.32	32.96	10.4	33.58	100	66	P	H
	*	5530	88.22	-	-	78.44	32.96	10.4	33.58	100	66	A	H
		5752.085	55.04	-13.16	68.2	44.37	33.71	10.57	33.61	100	66	P	H
		5456.8	53.17	-20.83	74	43.56	32.81	10.39	33.59	107	117	P	V
		5465.68	53.22	-14.98	68.2	43.59	32.83	10.39	33.59	107	117	P	V
		5458.72	48.7	-5.3	54	39.08	32.82	10.39	33.59	107	117	A	V
	*	5530	89.8	-	-	80.02	32.96	10.4	33.58	107	117	P	V
	*	5530	84.49	-	-	74.71	32.96	10.4	33.58	107	117	A	V
	5724.995	52.82	-97.18	150	42.33	33.55	10.54	33.6	107	117	P	V	
802.11ac VHT80 CH 122 5610MHz		5406.94	51.71	-22.29	74	42.12	32.8	10.39	33.6	100	67	P	H
		5463.36	49.31	-18.89	68.2	39.68	32.83	10.39	33.59	100	67	P	H
		5389	45.85	-8.15	54	36.29	32.78	10.38	33.6	100	67	A	H
	*	5610	96.53	-	-	86.69	33.02	10.41	33.59	100	67	P	H
	*	5610	90.07	-	-	80.23	33.02	10.41	33.59	100	67	A	H
		5757.755	54.26	-13.94	68.2	43.56	33.73	10.58	33.61	100	67	P	H
		5367.42	51.22	-22.78	74	41.75	32.73	10.35	33.61	107	103	P	V
		5464.14	49.96	-18.24	68.2	40.33	32.83	10.39	33.59	107	103	P	V
		5364.56	45.67	-8.33	54	36.2	32.73	10.35	33.61	107	103	A	V
	*	5610	92.8	-	-	82.96	33.02	10.41	33.59	107	103	P	V
	*	5610	86.51	-	-	76.67	33.02	10.41	33.59	107	103	A	V
	5755.235	52.77	-15.43	68.2	42.08	33.72	10.58	33.61	107	103	P	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (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)	
802.11ac VHT80 CH 106 5530MHz		11060	48.56	-25.44	74	59.59	38.9	16.8	66.73	225	314	P	H	
		11060	38.18	-15.82	54	49.21	38.9	16.8	66.73	225	314	A	H	
		16590	50.27	-17.93	68.2	57.56	37.67	22.1	67.06	102	59	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11060	48.38	-25.62	74	59.41	38.9	16.8	66.73	100	207	P	V
			11060	38.82	-15.18	54	49.85	38.9	16.8	66.73	100	207	A	V
			16590	49.79	-18.41	68.2	57.08	37.67	22.1	67.06	100	23	P	V
														V
														V
														V
														V
													V	
													V	



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 122 5610MHz		11220	47.89	-26.11	74	58.44	39.02	16.92	66.49	-	-	P	H
		16830	50.68	-17.52	68.2	57.38	37.64	22.21	66.55	203	157	P	H
													H
													H
													H
													H
													H
													H
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													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
	5610MHz		11220	47.67	-26.33	74	58.22	39.02	16.92	66.49	-	-	P
		16830	50.79	-17.41	68.2	57.49	37.64	22.21	66.55	172	211	P	V
													V
													V
													V
													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. 												



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		5421.37	50.31	-23.69	74	40.72	32.8	10.39	33.6	104	65	P	H
		5467.39	50.33	-17.87	68.2	40.7	32.83	10.39	33.59	104	65	P	H
		5405.38	43.36	-10.64	54	33.77	32.8	10.39	33.6	104	65	A	H
	*	5720	104.48	-	-	94.02	33.52	10.54	33.6	104	65	P	H
	*	5720	97.27	-	-	86.81	33.52	10.54	33.6	104	65	A	H
		5900.25	53.63	-14.57	68.2	42.33	34.2	10.72	33.62	104	65	P	H
		5409.67	51.33	-22.67	74	41.74	32.8	10.39	33.6	100	272	P	V
		5466.61	50.72	-17.48	68.2	41.09	32.83	10.39	33.59	100	272	P	V
		5430.73	43.3	-10.7	54	33.7	32.8	10.39	33.59	100	272	A	V
	*	5720	98.82	-	-	88.36	33.52	10.54	33.6	100	272	P	V
	*	5720	92.75	-	-	82.29	33.52	10.54	33.6	100	272	A	V
		5887.5	54.26	-13.94	68.2	43.02	34.15	10.71	33.62	100	272	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	54.73	-19.27	74	64.78	39.02	17.1	66.17	208	312	P	H	
		11440	45.34	-8.66	54	55.39	39.02	17.1	66.17	208	312	A	H	
		17160	58.66	-9.54	68.2	65.19	37.72	22.38	66.63	106	22	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11440	55.35	-18.65	74	65.4	39.02	17.1	66.17	237	307	P	V
			11440	44.61	-9.39	54	54.66	39.02	17.1	66.17	237	307	A	V
			17160	53.29	-14.91	68.2	59.82	37.72	22.38	66.63	378	99	P	V
														V
														V
														V
														V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

Table with 14 columns: 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). Rows include test results for frequencies like 5451.4, 5461.93, 5449.84, 5720, 5909.25, 5459.59, 5467, 5433.85, 5720, 5720, 5942.25. A Remark section at the bottom states: '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)	
802.11n HT20 CH 144 5720MHz		11440	51.19	-22.81	74	61.24	39.02	17.1	66.17	188	302	P	H	
		11440	42.94	-11.06	54	52.99	39.02	17.1	66.17	188	302	A	H	
		17160	53.37	-14.83	68.2	59.9	37.72	22.38	66.63	115	46	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11440	50.37	-23.63	74	60.42	39.02	17.1	66.17	223	332	P	V
			11440	41.91	-12.09	54	51.96	39.02	17.1	66.17	223	332	A	V
			17160	52.08	-16.12	68.2	58.61	37.72	22.38	66.63	377	89	P	V
														V
														V
														V
														V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 - Straddle Channel
WIFI 802.11n HT40 (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 HT40 CH 142 5710MHz		5379.64	50.9	-23.1	74	41.38	32.76	10.36	33.6	108	64	P	H
		5463.49	50.47	-17.73	68.2	40.84	32.83	10.39	33.59	108	64	P	H
		5396.02	44.03	-9.97	54	34.45	32.79	10.39	33.6	108	64	A	H
	*	5710	100.59	-	-	90.2	33.46	10.53	33.6	108	64	P	H
	*	5710	93.88	-	-	83.49	33.46	10.53	33.6	108	64	A	H
		5941.5	53.69	-14.51	68.2	42.35	34.2	10.76	33.62	108	64	P	H
		5406.94	51.11	-22.89	74	41.52	32.8	10.39	33.6	104	197	P	V
		5465.44	49.5	-18.7	68.2	39.87	32.83	10.39	33.59	104	197	P	V
		5410.45	44.11	-9.89	54	34.52	32.8	10.39	33.6	104	197	A	V
	*	5710	96.36	-	-	85.97	33.46	10.53	33.6	104	197	P	V
	*	5710	89.87	-	-	79.48	33.46	10.53	33.6	104	197	A	V
		5906.75	54.25	-13.95	68.2	42.94	34.2	10.73	33.62	104	197	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 HT40 (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 HT40 CH 142 5710MHz		11420	47.8	-26.2	74	57.85	39.06	17.09	66.2	-	-	P	H	
		17130	51.87	-16.33	68.2	58.4	37.66	22.36	66.55	142	63	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
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													H	
													H	
													H	
													H	
													H	
													H	
			11420	47.96	-26.04	74	58.01	39.06	17.09	66.2	-	-	P	V
			17130	50.18	-18.02	68.2	56.71	37.66	22.36	66.55	377	142	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



**Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5389	51.48	-22.52	74	41.92	32.78	10.38	33.6	100	65	P	H
		5463.1	50.69	-17.51	68.2	41.06	32.83	10.39	33.59	100	65	P	H
		5428.39	46.24	-7.76	54	36.64	32.8	10.39	33.59	100	65	A	H
	*	5690	98.64	-	-	88.4	33.34	10.5	33.6	100	65	P	H
	*	5690	92.09	-	-	81.85	33.34	10.5	33.6	100	65	A	H
		5937.5	55.07	-13.13	68.2	43.74	34.2	10.75	33.62	100	65	P	H
		5373.79	51.33	-22.67	74	41.83	32.75	10.36	33.61	100	198	P	V
		5462.71	51.29	-16.91	68.2	41.66	32.83	10.39	33.59	100	198	P	V
		5453.74	45.47	-8.53	54	35.86	32.81	10.39	33.59	100	198	A	V
	*	5690	95.27	-	-	85.03	33.34	10.5	33.6	100	198	P	V
	*	5690	88.77	-	-	78.53	33.34	10.5	33.6	100	198	A	V
		5913.5	54.79	-13.41	68.2	43.48	34.2	10.73	33.62	100	198	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (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)	
802.11ac VHT80 CH 138 5690MHz		11380	50.92	-23.08	74	61.02	39.1	17.06	66.26	342	117	P	H	
		11380	41.93	-12.07	54	52.03	39.1	17.06	66.26	342	117	A	H	
		17070	50.71	-17.49	68.2	57.22	37.54	22.33	66.38	112	65	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11380	47.97	-26.03	74	58.07	39.1	17.06	66.26	-	-	P	V
			17070	50.87	-17.33	68.2	57.38	37.54	22.33	66.38	385	33	P	V
														V
														V
														V
														V
														V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Emission above 18GHz

5GHz WIFI 802.11ac VHT80 (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)
5GHz 802.11ac VHT80 SHF		28789.2	41.29	-26.91	68.2	39.7	40.76	15.2	54.37	-	-	P	H
		39659	50.28	-23.72	74	38.16	44.57	19.86	52.31	-	-	P	H
													H
													H
													H
													H
													H
													H
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													H
			26069.7	40.24	-27.96	68.2	40.51	38.81	13.89	52.97	-	-	P
		39890	50.71	-23.29	74	38.24	44.5	19.87	51.9	-	-	P	V
													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

5GHz WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
5GHz 802.11ac VHT80 LF		99.84	23.23	-20.27	43.5	35.45	16.08	1.41	29.71	-	-	P	H	
		170.65	28.67	-14.83	43.5	40.79	15.73	1.86	29.71	-	-	P	H	
		673.11	31.97	-14.03	46	30.21	26.66	3.83	28.73	-	-	P	H	
		839.95	36.67	-9.33	46	31.86	29.1	4.29	28.58	-	-	P	H	
		885.54	35.93	-10.07	46	30.81	29.11	4.52	28.51	-	-	P	H	
		956.35	36.19	-9.81	46	28.55	31.2	4.68	28.24	-	-	P	H	
														H
														H
														H
														H
														H
														H
			30.97	33.52	-6.48	40	38.14	24.52	0.61	29.75	-	-	P	V
			48.43	28.88	-11.12	40	42.38	15.34	0.98	29.82	-	-	P	V
			166.77	28.7	-14.8	43.5	40.42	16.12	1.85	29.69	-	-	P	V
			303.54	31.12	-14.88	46	38.71	19.3	2.57	29.46	-	-	P	V
			839.95	36.79	-9.21	46	31.98	29.1	4.29	28.58	-	-	P	V
			943.74	36.16	-9.84	46	28.97	30.82	4.64	28.27	-	-	P	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 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. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5150MHz:

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

For Average Limit @ 5150MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

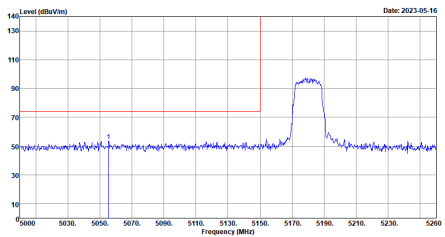
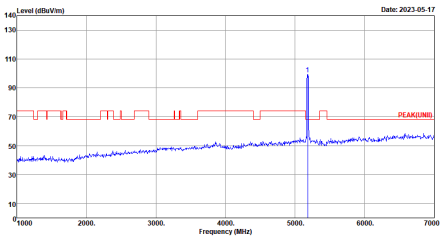
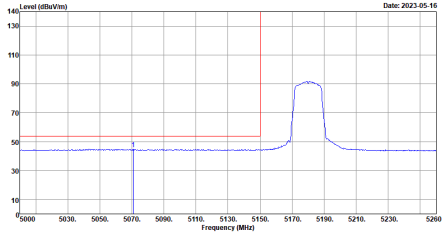
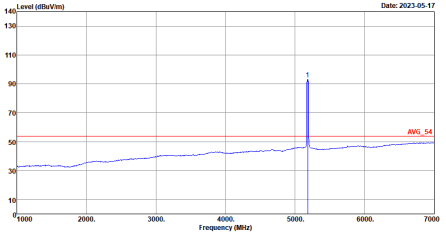
Test Engineer :	Jesse Fan, Tim Lee and Wilson Wu	Temperature :	20~25°C
		Relative Humidity :	50~60%

Note symbol

-L	Low channel location
-R	High channel location



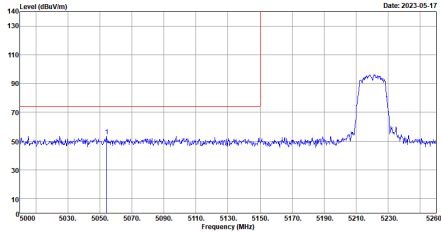
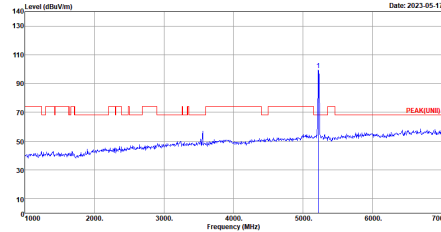
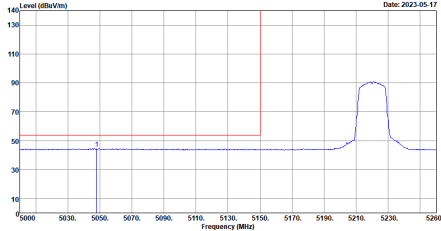
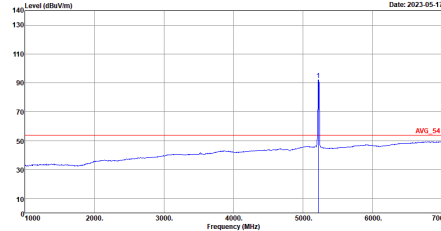
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_91200_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNT) 3m HORN_91200_02114 HORIZONTAL : BBW:3000.000kHz VBW:3000.000kHz SWF:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_91200_02114 HORIZONTAL : RBW:1000.000kHz VBW:1000kHz SWF:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_91200_02114 HORIZONTAL : RBW:3000.000kHz VBW:1000kHz SWF:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : PEAK(FUN1) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>

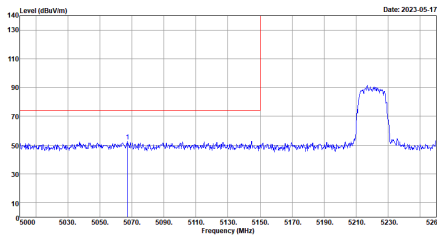
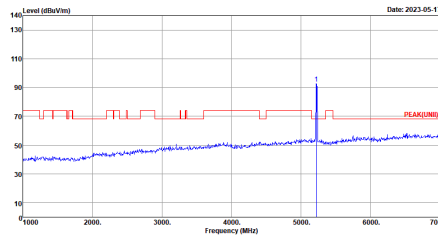
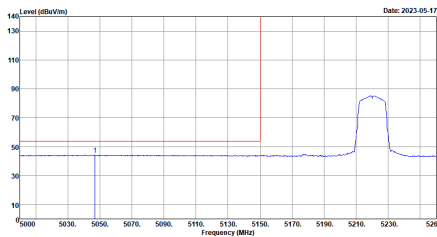
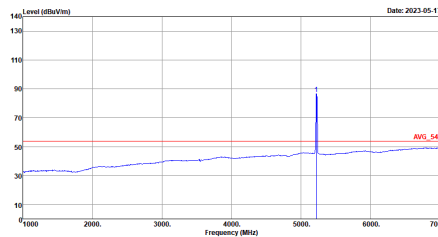


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(FUN) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>

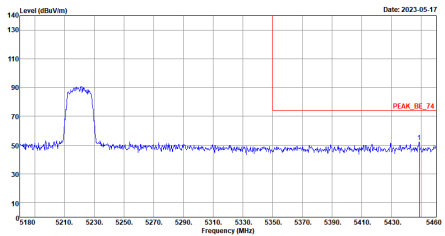
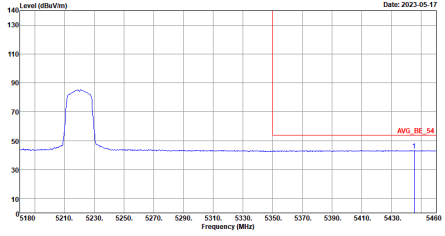


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank

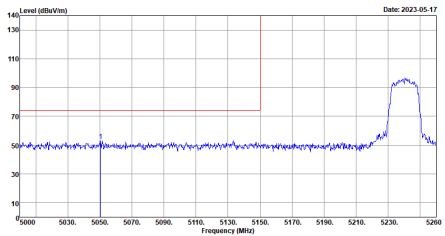
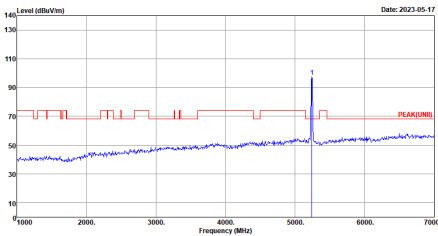
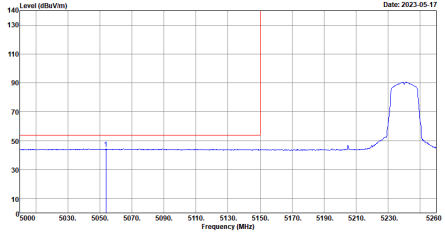
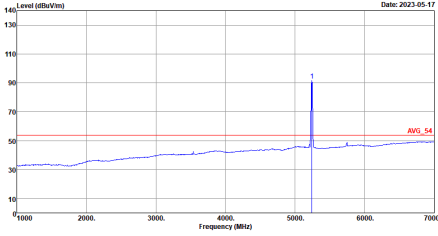


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNI) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>

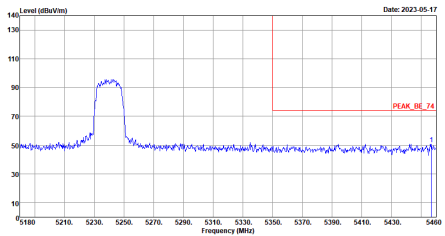
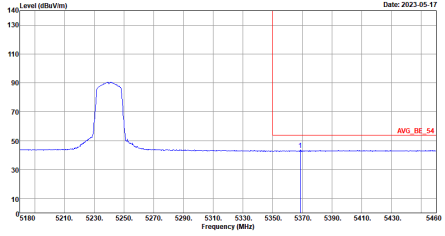


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank

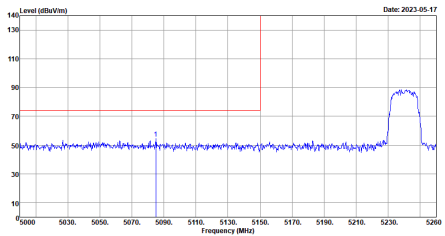
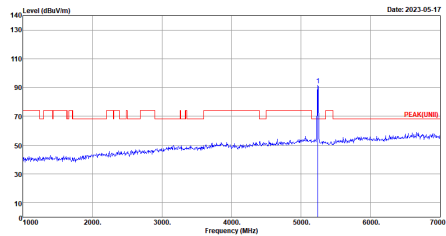
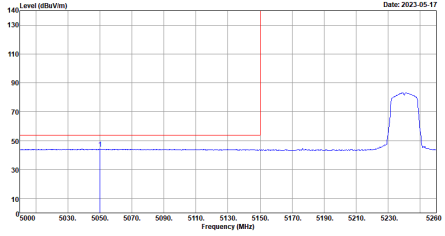
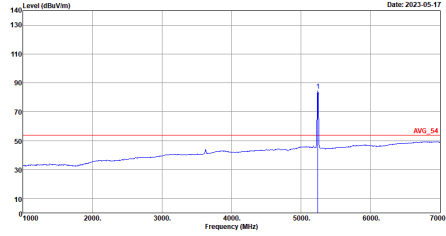


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(NTI) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>

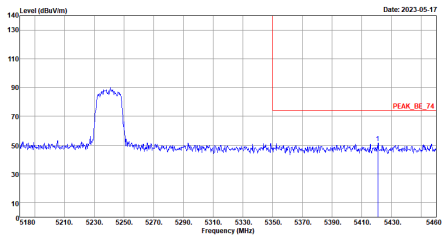
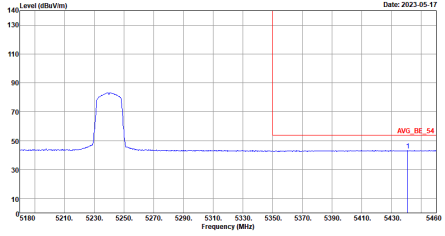


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Left blank</p>



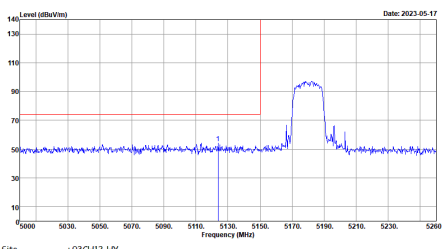
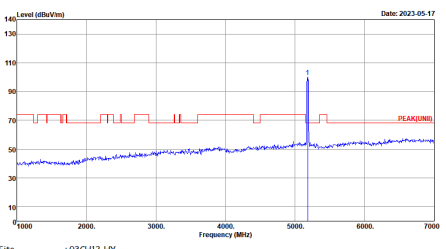
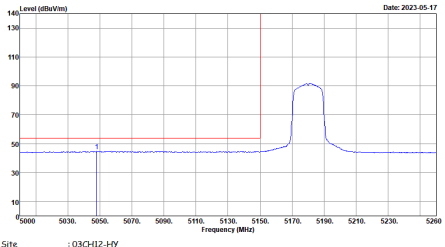
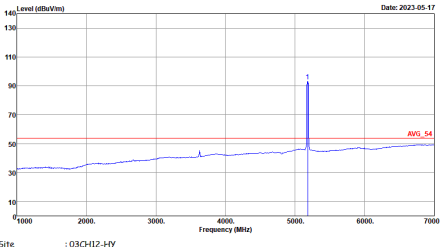
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNI) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Left blank</p>



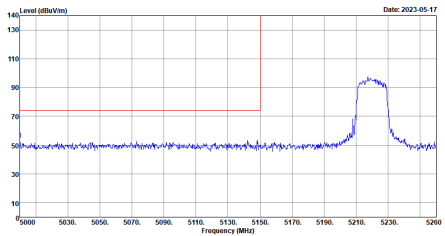
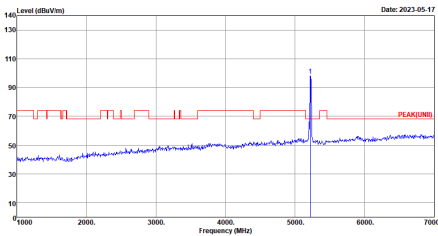
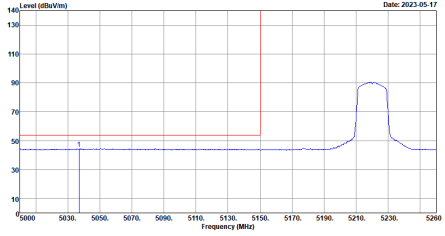
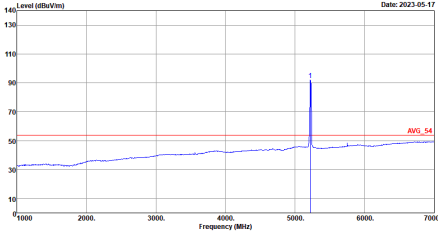
**Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : PEAK(NTI) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>

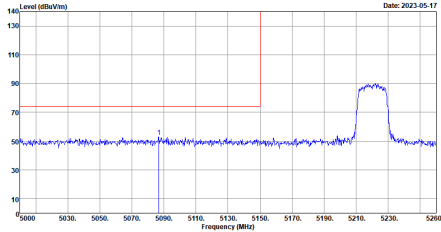
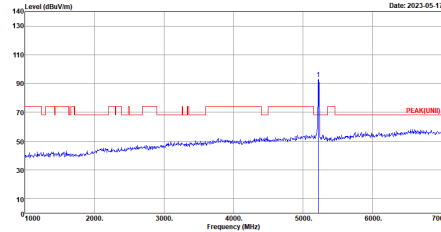
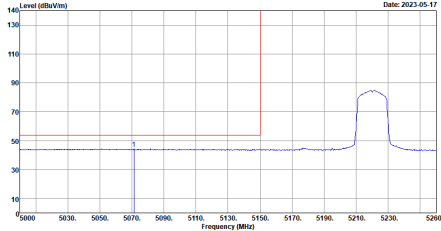
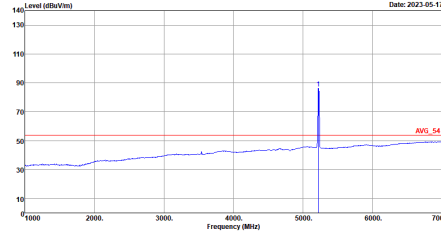


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>

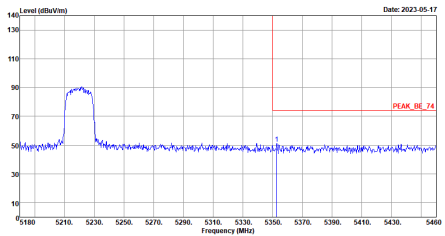
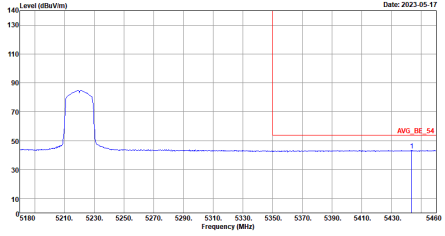


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank

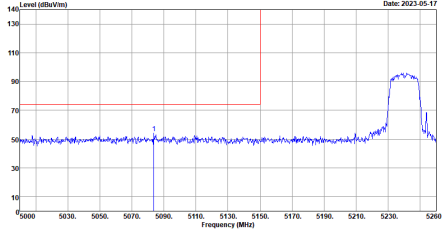
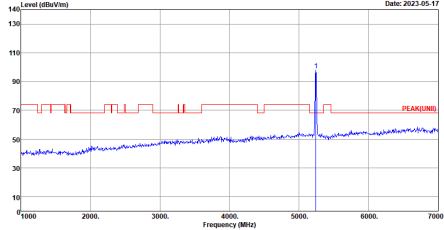
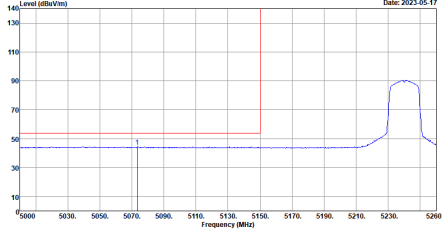
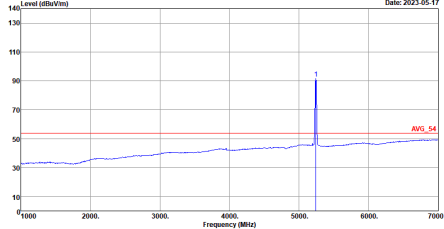


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNI) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>

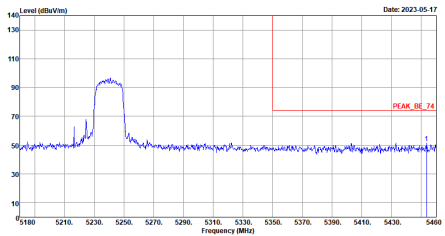
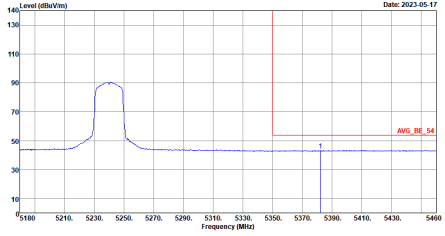


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>

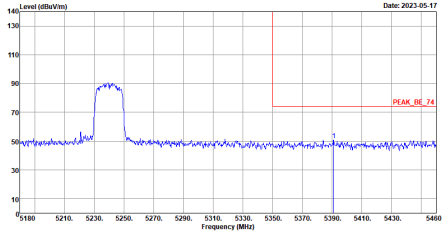
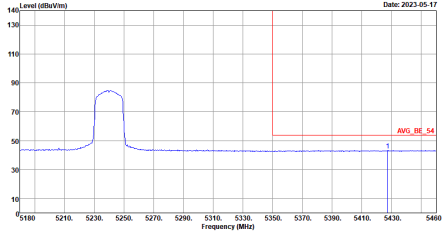


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Left blank</p>



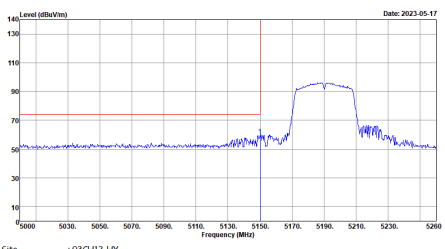
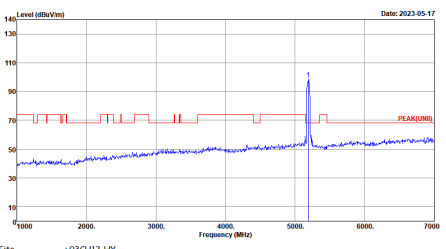
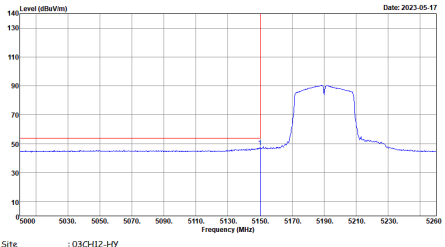
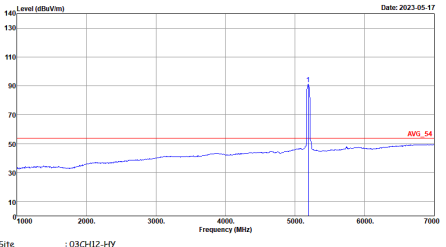
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : PEAK(UNI) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>



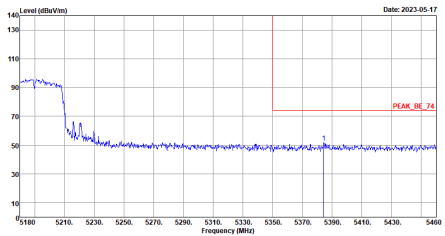
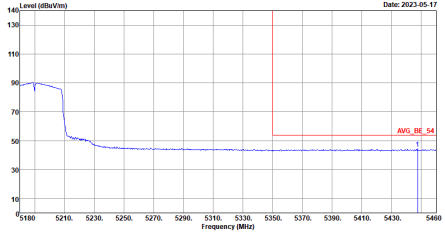
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank



**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>

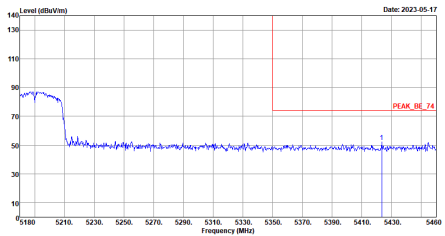
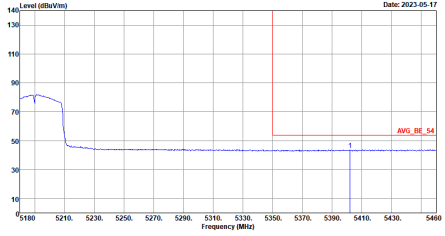


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	Left blank

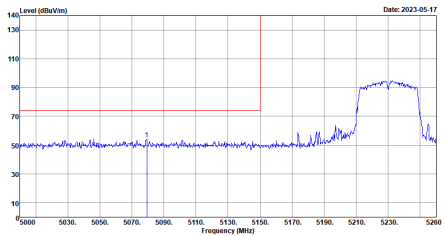
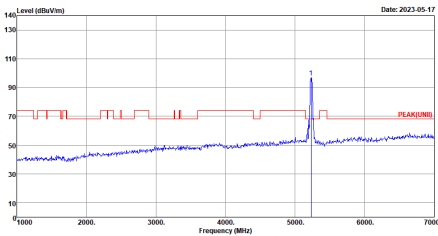
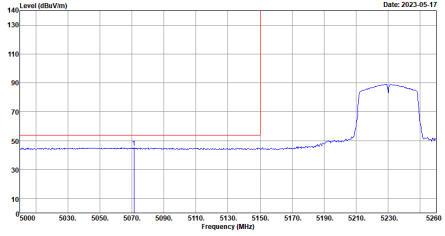
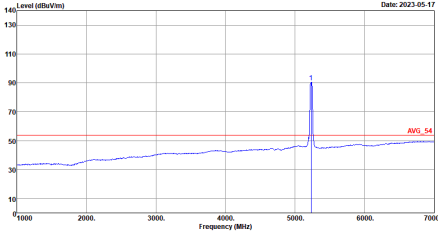


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>

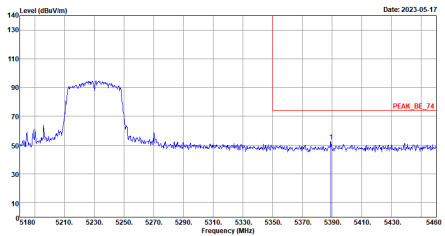
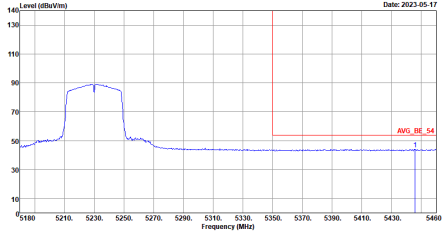


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_T4 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>

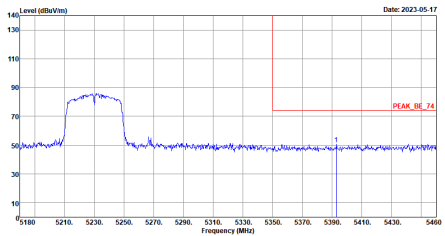
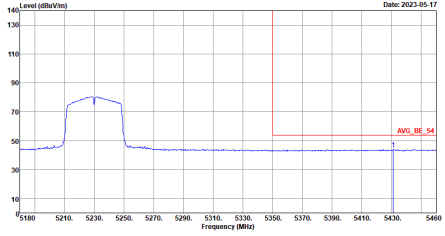


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	Left blank



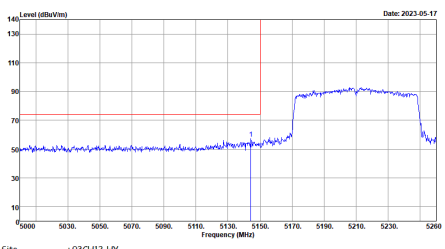
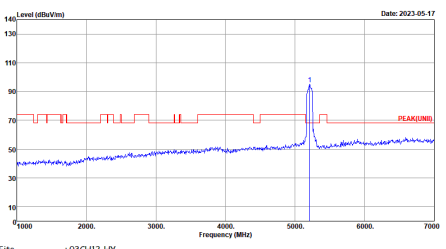
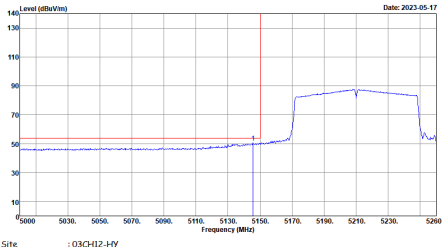
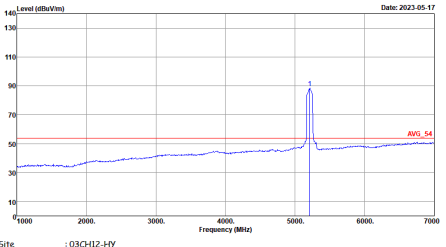
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH12-HY Condition : PEAK_BE_T4 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>



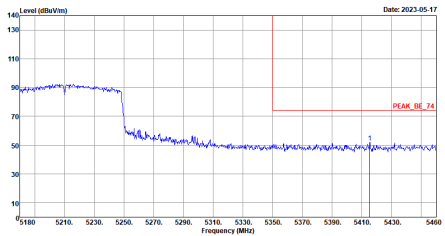
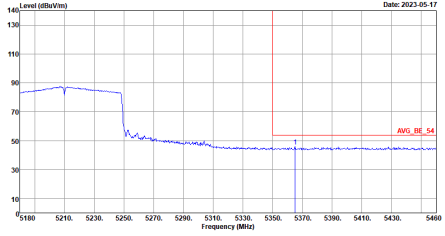
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3.000GHz SWT:Auto</p>	Left blank



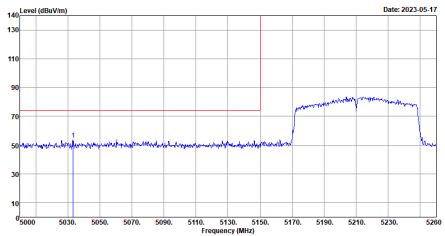
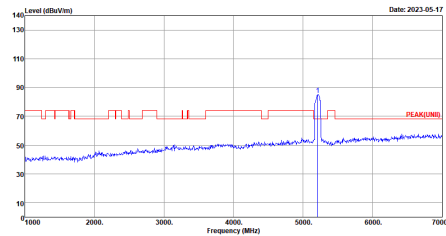
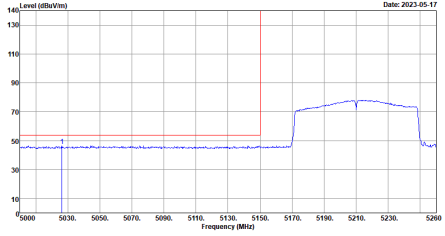
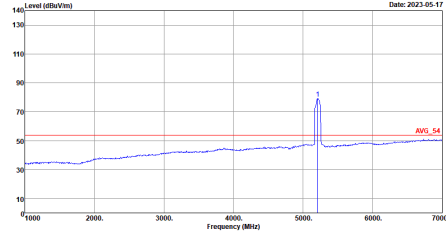
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto</p>

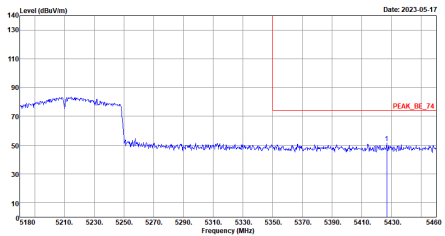
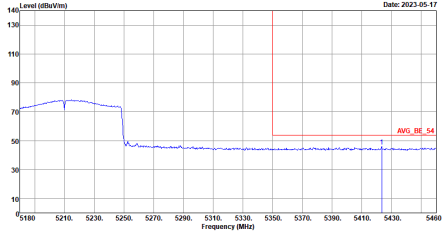


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	Left blank



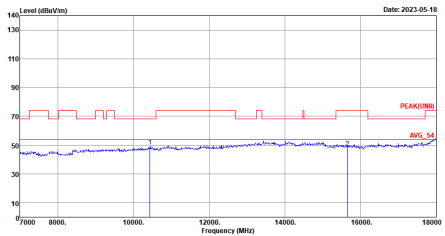
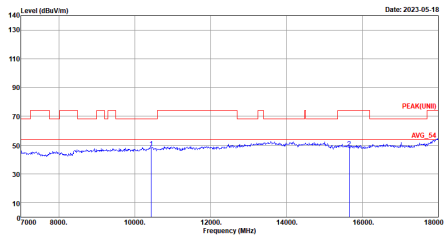
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>
	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL</p>

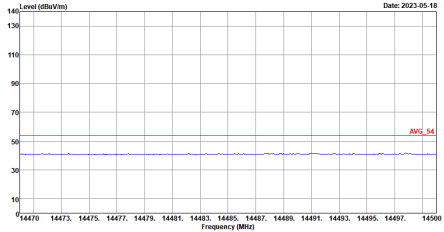
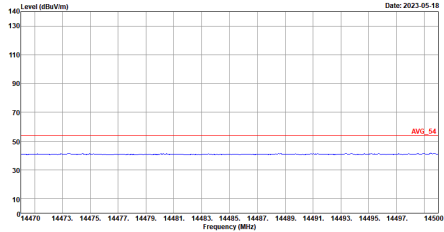
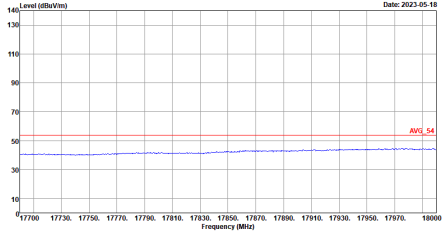
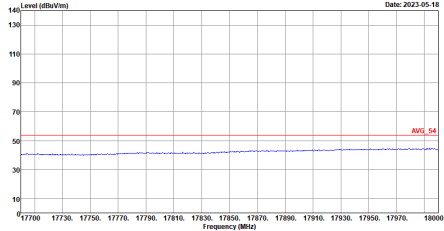


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
<p>17.7G ~18G Avg</p>		



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 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 : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL</p>

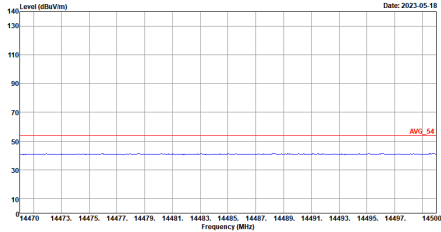
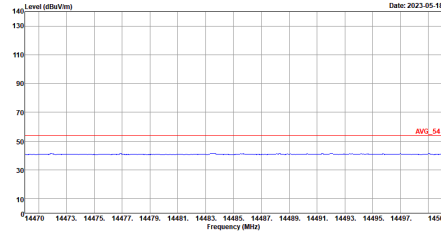
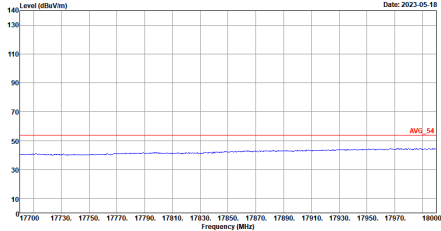
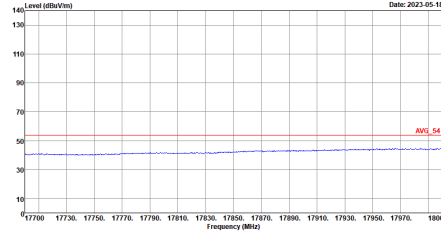


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL :</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL :</p>
	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL :</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL :</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	 <p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	 <p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
17.7G ~18G Avg		



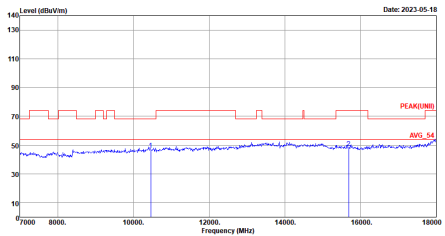
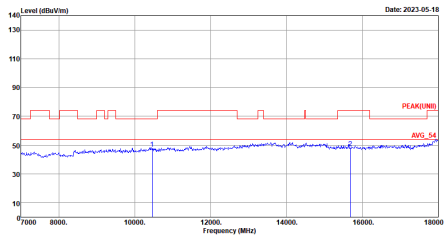
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL :</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL :</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>
	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>
17.7G ~18G Avg		



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 HORIZONTAL</p>	 <p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>
	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>
17.7G ~18G Avg		



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

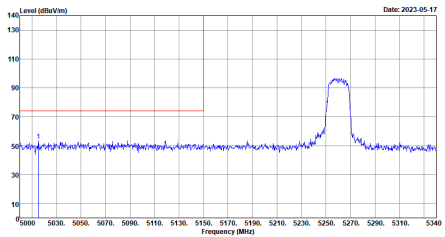
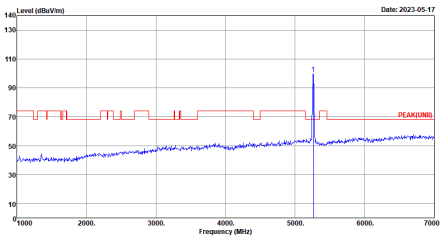
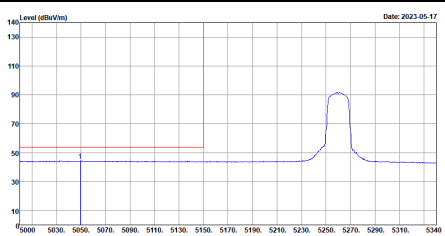
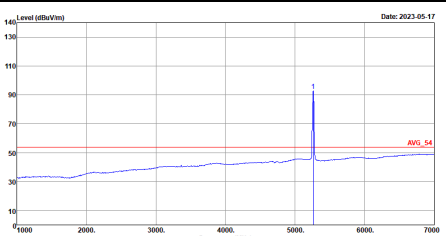
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL</p>



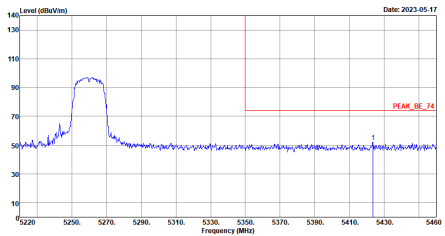
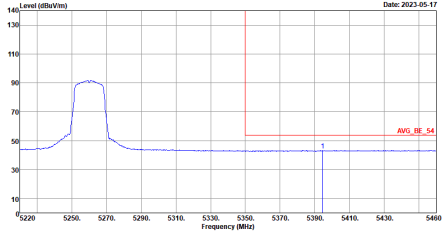
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
17.7G ~18G Avg		



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_91200_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNT) 3m HORN_91200_02114 HORIZONTAL : BBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_91200_02114 HORIZONTAL : RBW:1000.000kHz VBW:1000kHz SWF:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_91200_02114 HORIZONTAL : RBW:1000.000kHz VBW:1000kHz SWF:Auto</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank

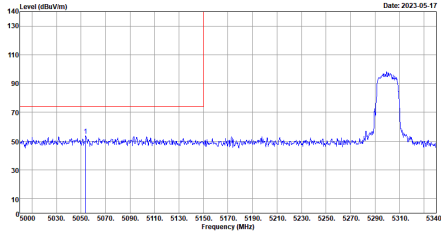
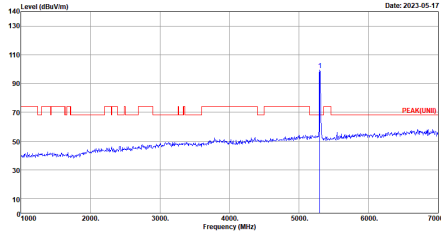
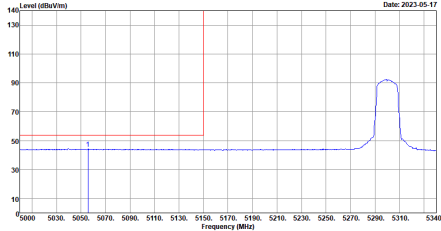
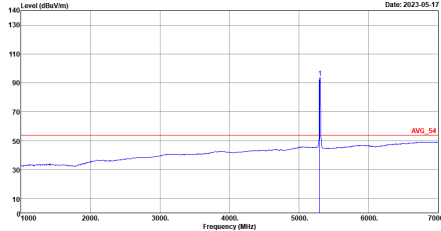


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : PEAK(FUN1) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>

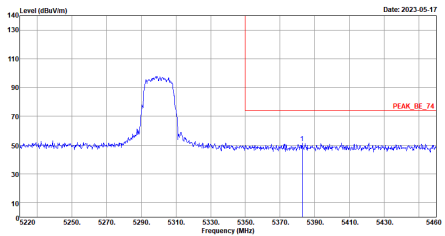
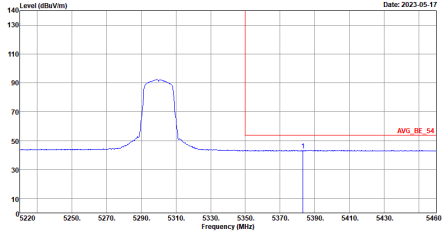


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>

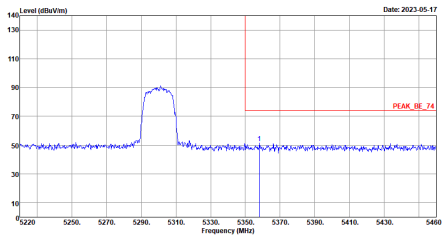
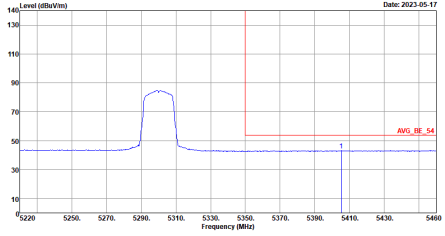


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank

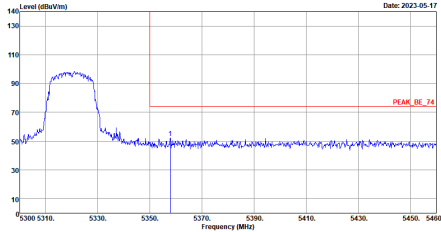
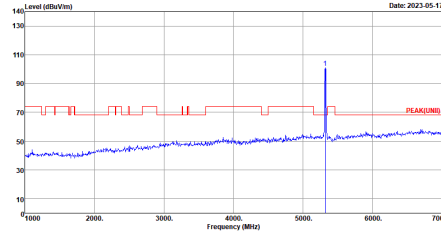
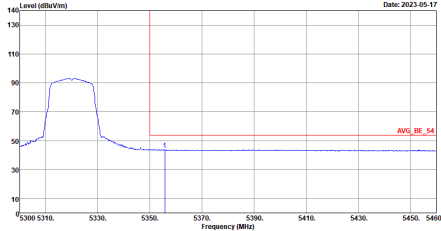
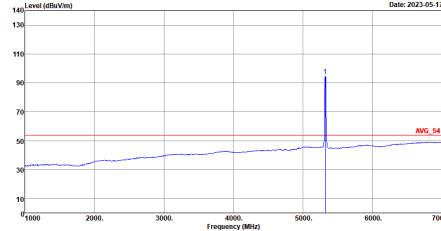


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : PEAK(UNI) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(FUN1) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>



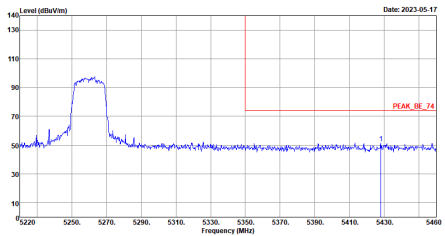
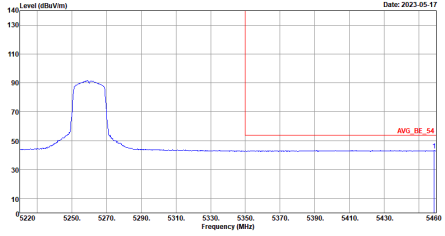
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : PEAK(UNI) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>



**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 : 03CH2-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH2-HY Condition : PEAK(UNII) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH2-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Site : 03CH2-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>

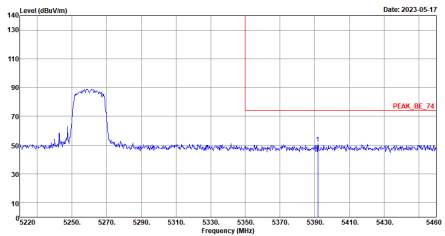
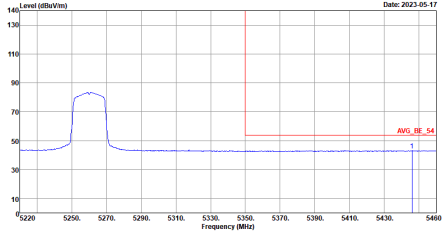


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank

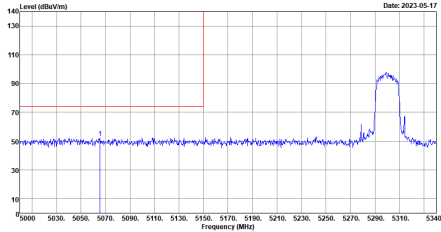
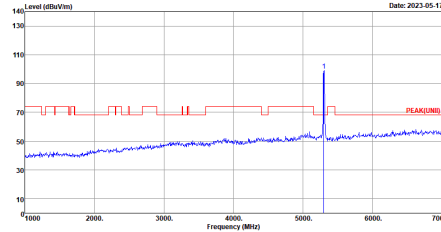
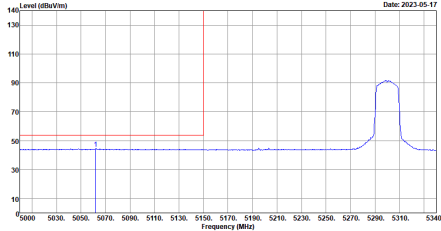
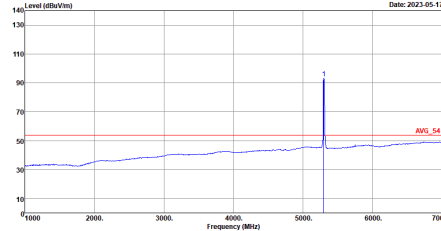


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : PEAK(NTI) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>

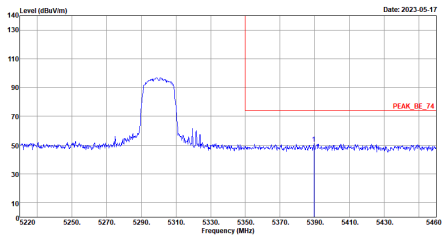
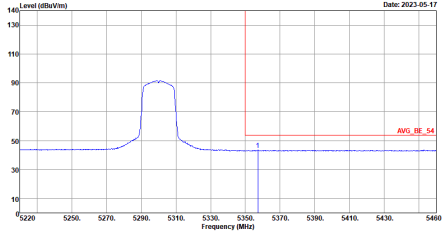


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank

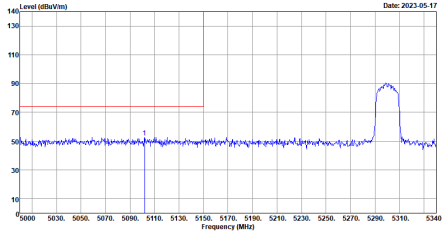
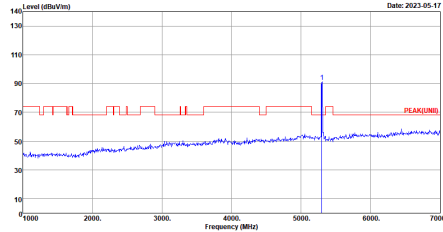
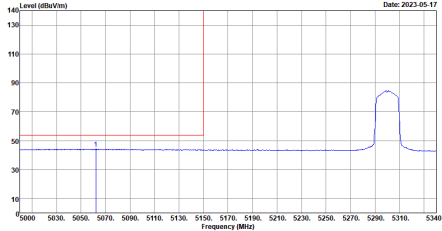
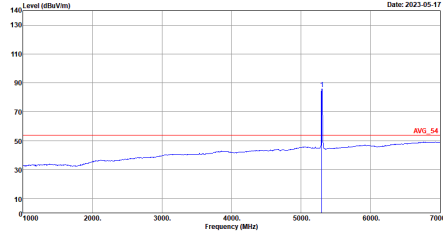


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_T4 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>

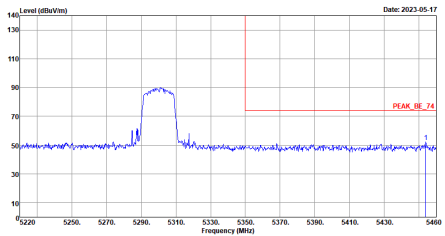
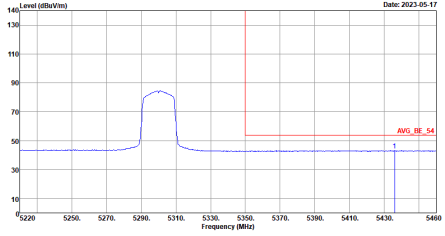


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
<p>Peak</p>	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Left blank</p>

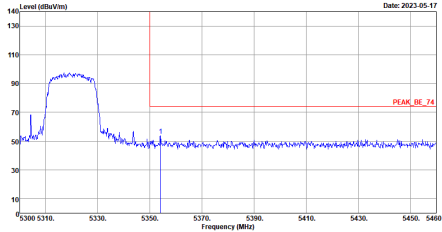
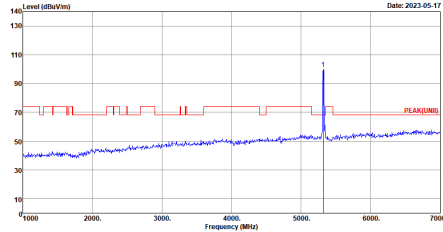
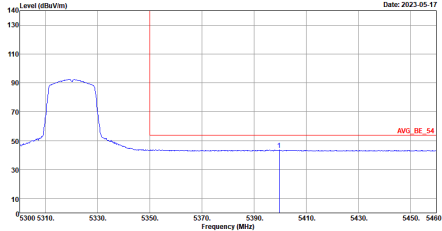
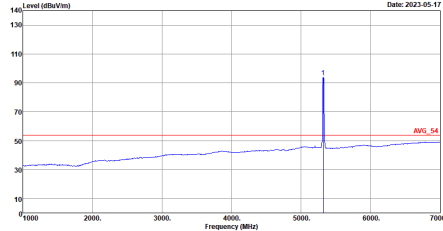


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNI) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>

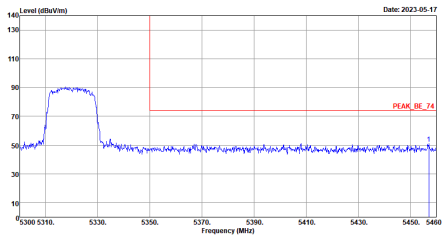
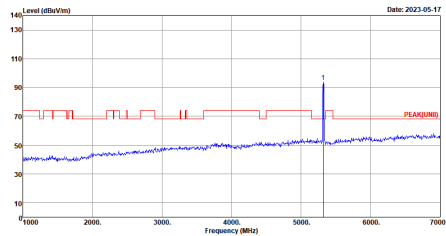
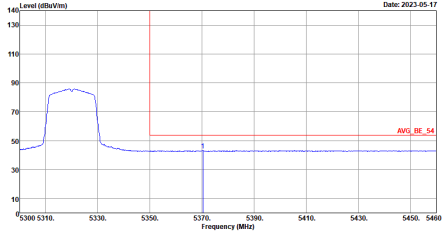
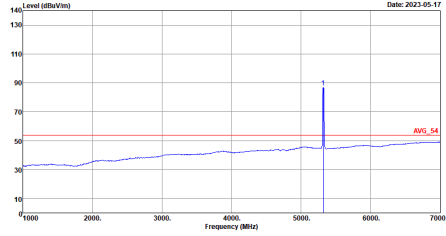


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank



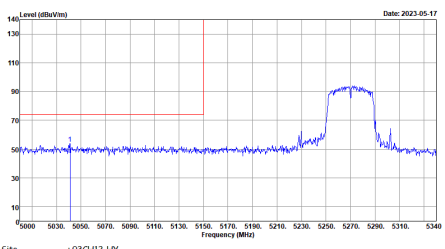
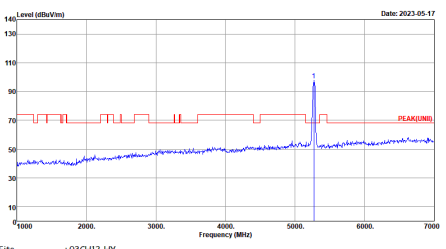
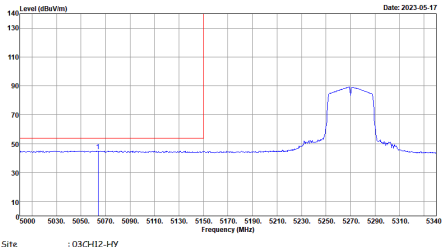
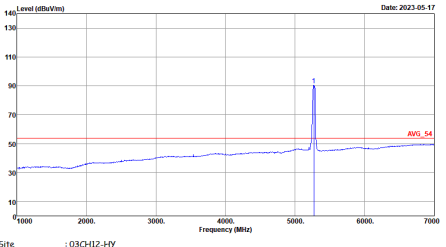
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(NTI) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(FUN1) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>

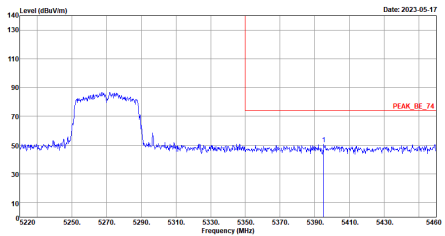
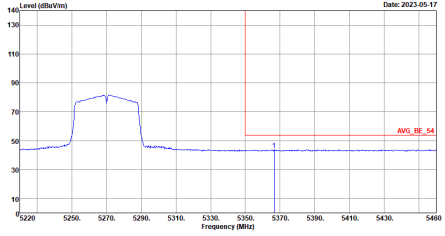


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3.000GHz SWT:Auto</p>	Left blank

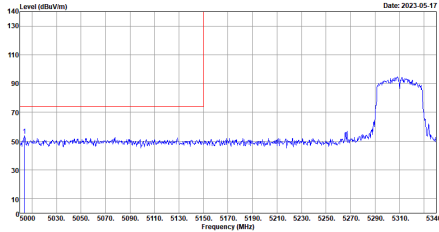
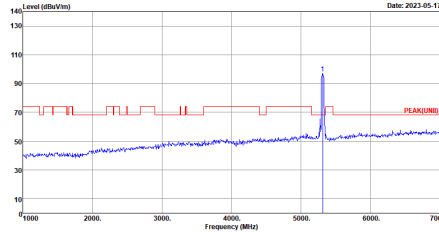
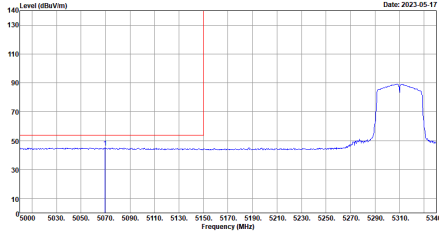
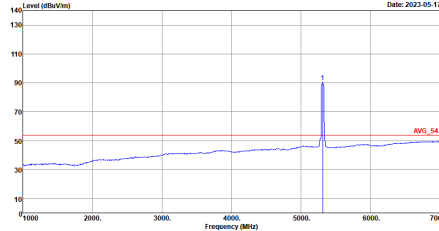


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Vertical	Vertical
Peak	<p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>

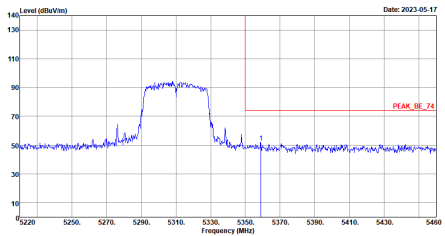
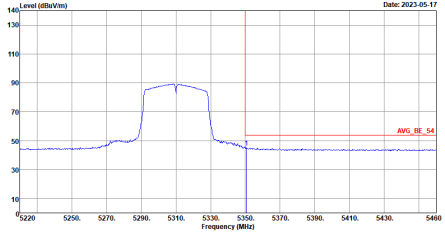


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1	Vertical	Vertical
<p>Peak</p>	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	<p>Left blank</p>

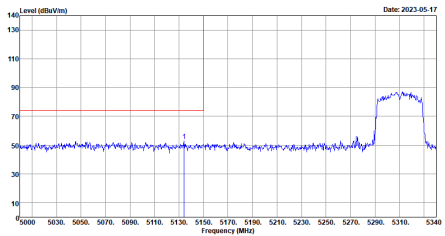
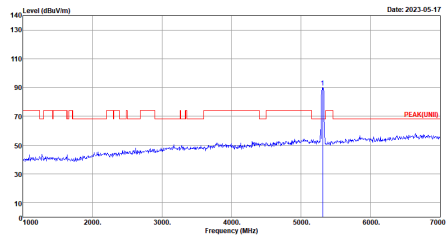
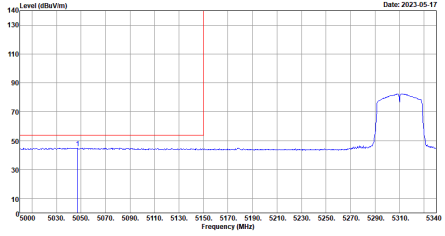
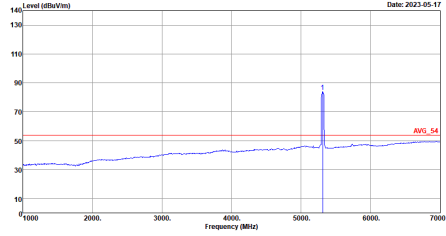


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_T4 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>

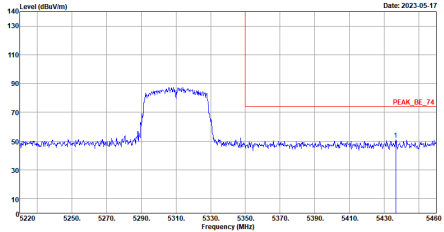
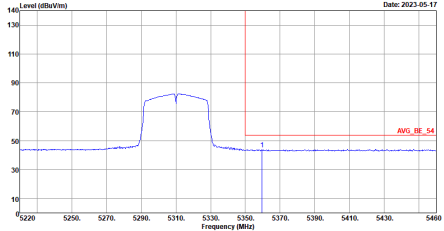


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	Left blank



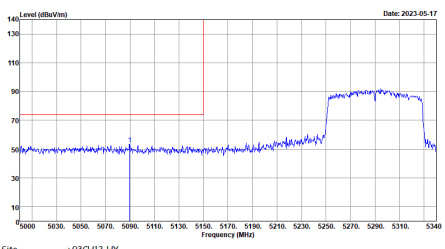
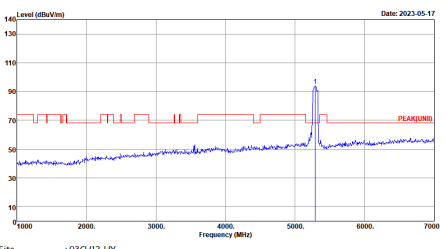
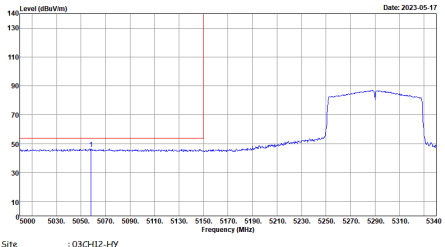
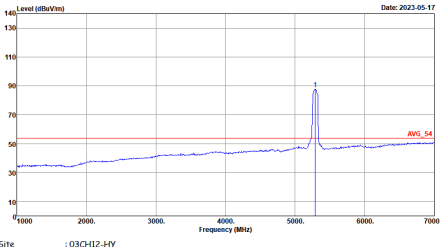
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNI) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>



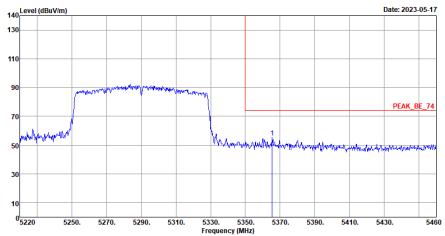
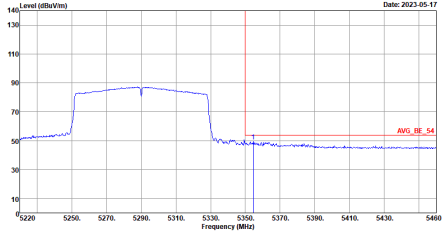
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p>	Left blank



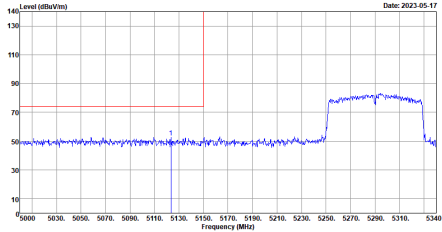
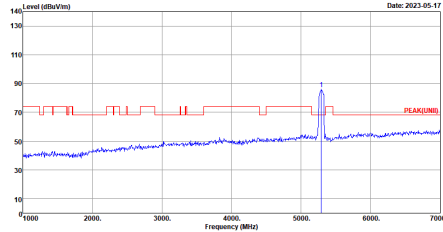
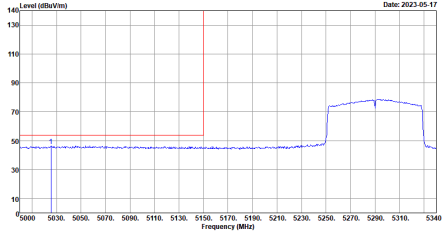
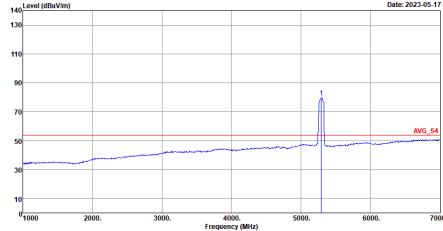
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH2-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH2-HY Condition : PEAK(UNII) 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH2-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto</p>	 <p>Site : 03CH2-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto</p>

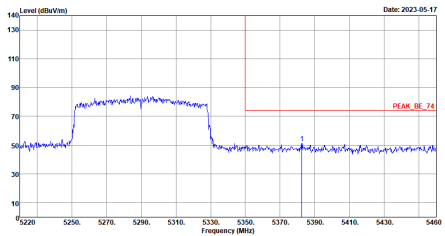
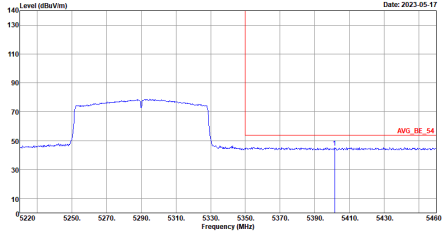


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNI) 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto</p>



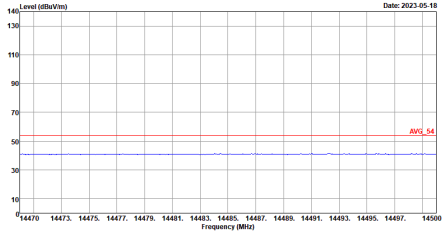
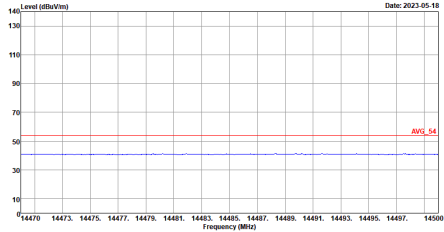
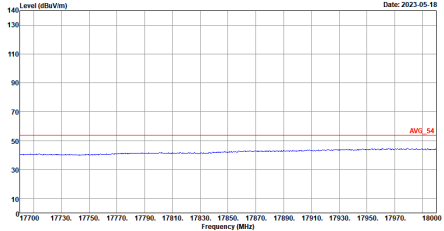
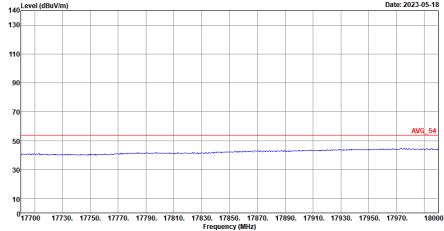
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : PEAK_BE_74 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03GHZ-HY Condition : AVG_BE_54 3m HORN_9120D_02114 VERTICAL : RBW:1000.000kHz VBW:10.000kHz 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
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL</p>

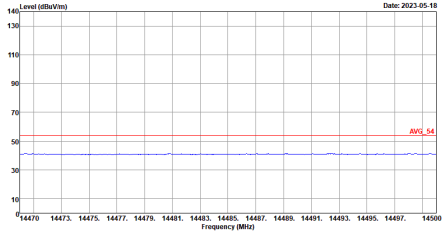
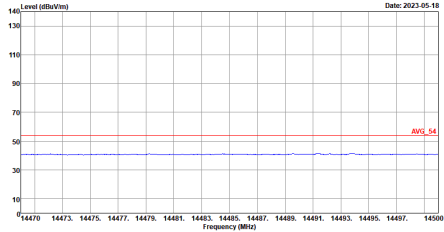
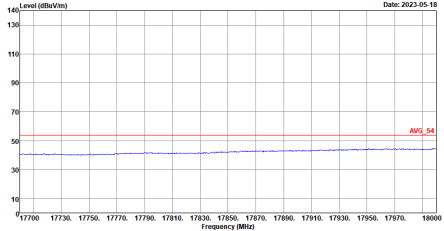
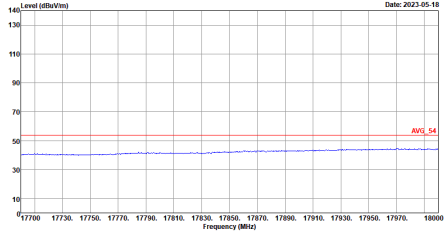


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>

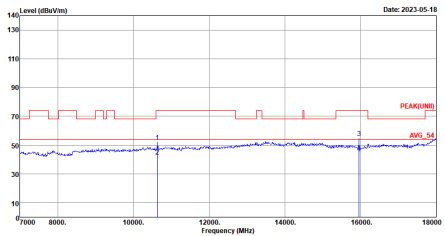
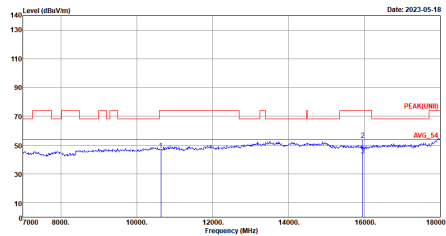


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL :</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL :</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL :</p>	 <p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL :</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>
	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>
17.7G ~18G Avg		



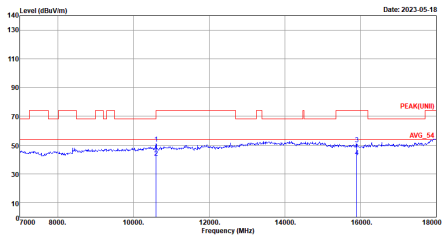
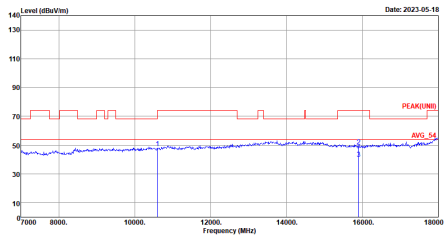
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
17.7G ~18G Avg		

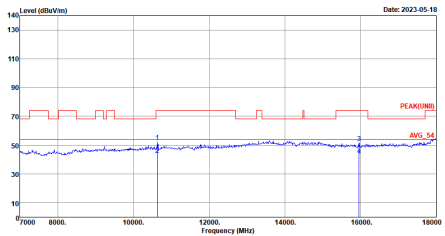
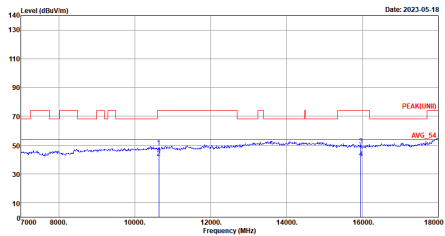


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 HORIZONTAL</p>	 <p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_02114 VERTICAL</p>
17.7G ~18G Avg		



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 HORIZONTAL</p>	 <p>Site : 03CH12-HY Condition : PEAK[UNIT] 3m HORN_9120D_02114 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>
	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 HORIZONTAL</p>	<p>Site : 03CH12-HY Condition : AV6_54 3m HORN_9120D_02114 VERTICAL</p>
<p>17.7G ~18G Avg</p>		