FCC RADIO TEST REPORT

FCC ID	:	**APYHRO00331**
Equipment	:	**Smart phone**
Brand Name	:	**SHARP**
Model Name	:	**APYHRO00331**
Applicant	:	**SHARP CORPORATION** **1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan**
Manufacturer	:	**SHARP CORPORATION** **1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Mar. 11, 2024 and testing was performed from Mar. 19, 2024 to Apr. 19, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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

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History of this test report

Report No.	Version	Description	Issue Date
FR3D2225E	01	Initial issue of report	May 09, 2024

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	3.36 dB under the limit at 5460.08 MHz
3.5	15.207	AC Conducted Emission	Pass	15.19 dB under the limit at 1.48 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/manufacturer 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: Keven Cheng

Report Producer: Wilda Wei

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, NFC, and GNSS. **Antenna Type** WWAN: <Ant. 0>: Monopole Antenna <Ant. 1>: PIFA Antenna <Ant. 2>: Monopole Antenna WLAN: Loop Antenna Bluetooth: Loop Antenna GPS / Glonass / BDS / Galileo: PIFA Antenna NFC: Loop Antenna

Item	Main		2nd Source			
	Main Sample		Sample 2		Sample 3	
	Vendor	Model Number	Vendor	Model Number	Vendor	Model Number
Memory	SAMSUNG	SA05P91D010	Hynix	SA0QG9G5010	Micron	SA0D81SF010
PA	QORVO	SA07048B020 (QM77048B)	QORVO	SA077048020 (QM77048)	QORVO	SA077048020 (QM77048)
FPC_USB	PBH	MESX314004A	SUNFLEX	MESX114012A	SUNFLEX	MESX114012A
FPC_AJ	PBH	MESX314003A	SUNFLEX	MESX114013A	SUNFLEX	MESX114013A
FPC_Main	PBH	MESX414001A	SUNFLEX	MESX414011A	SUNFLEX	MESX414011A
FPC_SPK	AKM	MESX414004A	SUNFLEX	MESX114015A	SUNFLEX	MESX114015A
FPC_Side_Key	PBH	MESX414002A	AKM	MESX414012A	AKM	MESX414012A
FPC_flashlight	PBH	MESX414003A	SUNFLEX	MESX414013A	SUNFLEX	MESX414013A
rear housing	DY	MESX461130A	COXON	MESX461131A	COXON	MESX461131A
Battery	SCUD	BPSX400001S (SX4)	EVE	BPSX400002S (X4)	EVE	BPSX400002S (X4)
Display	DJN	SLX1462BX00	CPT	SLX65WM2X00	CPT	SLX65WM2X00
Camera 50M	Shinetech	S0CNN72B000	Union Image	S0C50A350A0	Union Image	S0C50A350A0
Camera 8M	Shinetech	S0CF891B060	Union Image	S0C8F357060	Union Image	S0C8F357060
E-compass	MEMSIC	SA0C56030A0	QST	SA0C6308130	QST	SA0C6308130
DPDT	MAXSCEND	SA08546C020	CANAANTEK	SA01122N080	CANAANTEK	SA01122N080
Switch	MAXSCEND	SA08621E080	Richwave	SA086102080	Richwave	SA086102080
P-sensor	EMINENT	SA0MN789080	Sensortek	SA033562020	Sensortek	SA033562020
G- sensor	TDK	SA042670020	Bosch	SA0MI320020	Bosch	SA0MI320020

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	-1.07
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	0.07
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	2.99

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, 03CH11-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

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

2.2 Test Mode

The final test modes 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	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + Earphone + MPEG4 + Battery 1 + USB Cable (Charging form Adapter) for Main Sample
Remark: For Radiated Test Cases, the tests were performed with Battery 1 and Main Sample.	

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

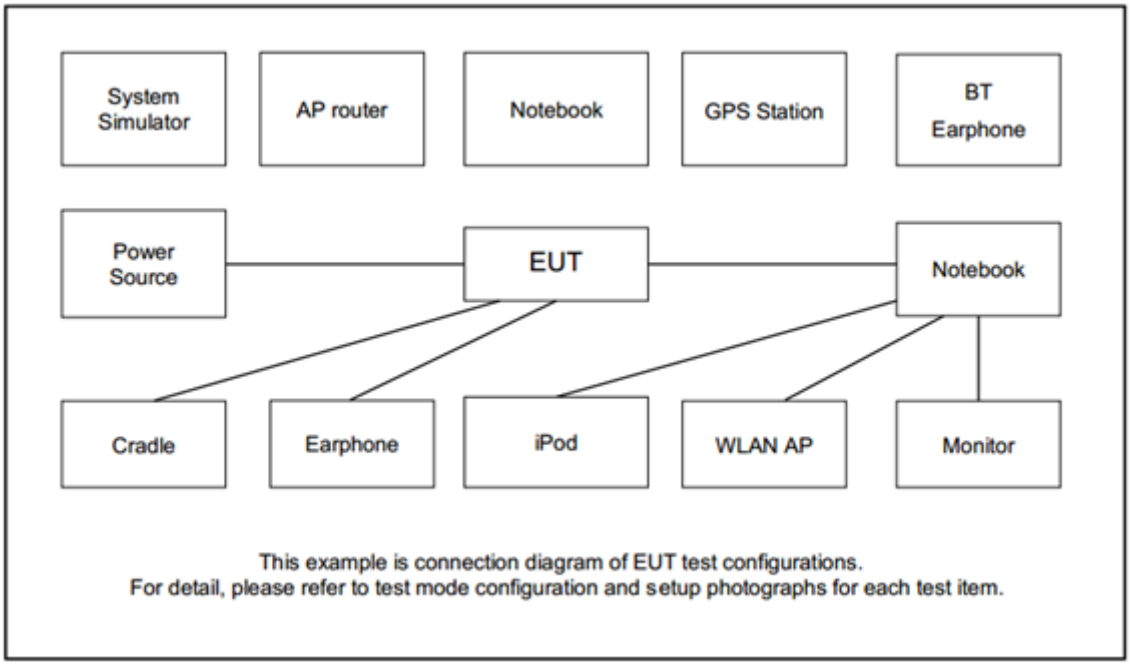
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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	PY7DDA-2029	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	NOKIA	WH-108	N/A	Unshielded, 1.5 m	N/A

2.5 EUT Operation Test Setup

The RF test items, make the EUT (SW: A3130) get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.
Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

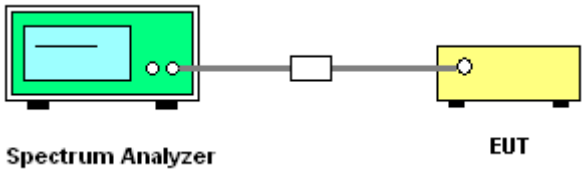
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

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

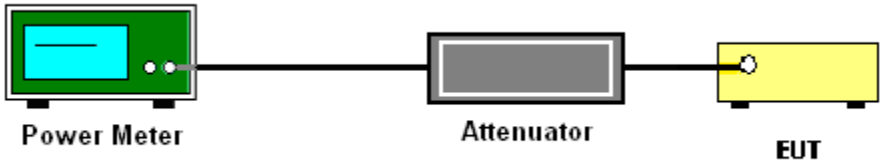
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

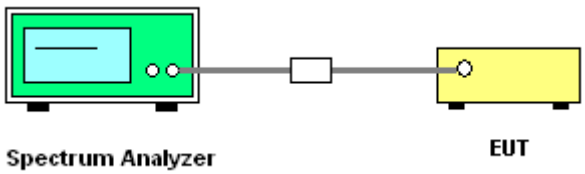
 # Method SA-2 #

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

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

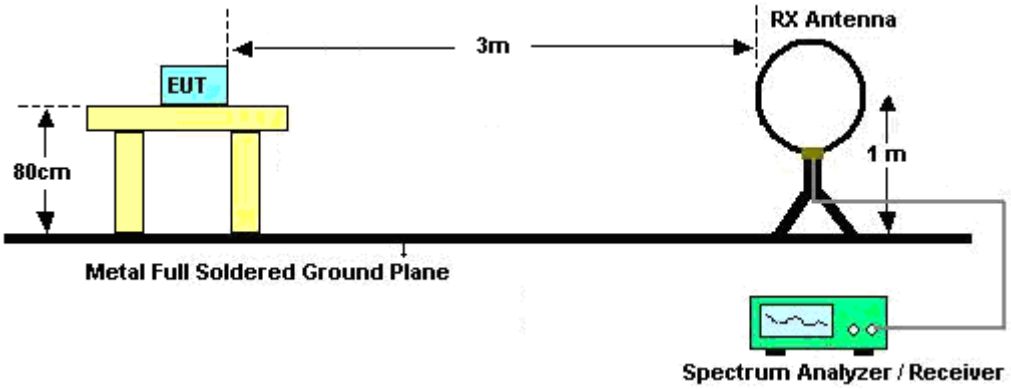
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

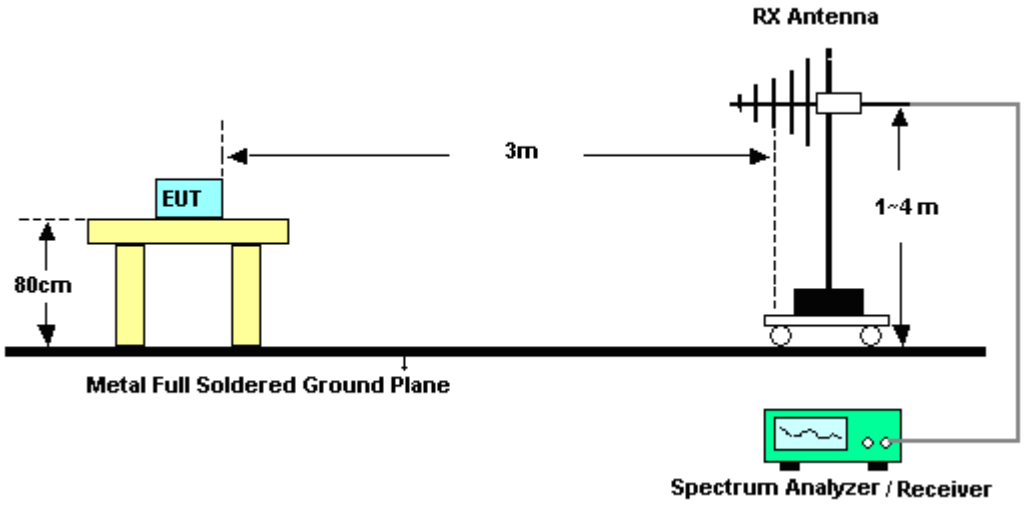
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

3.4.4 Test Setup

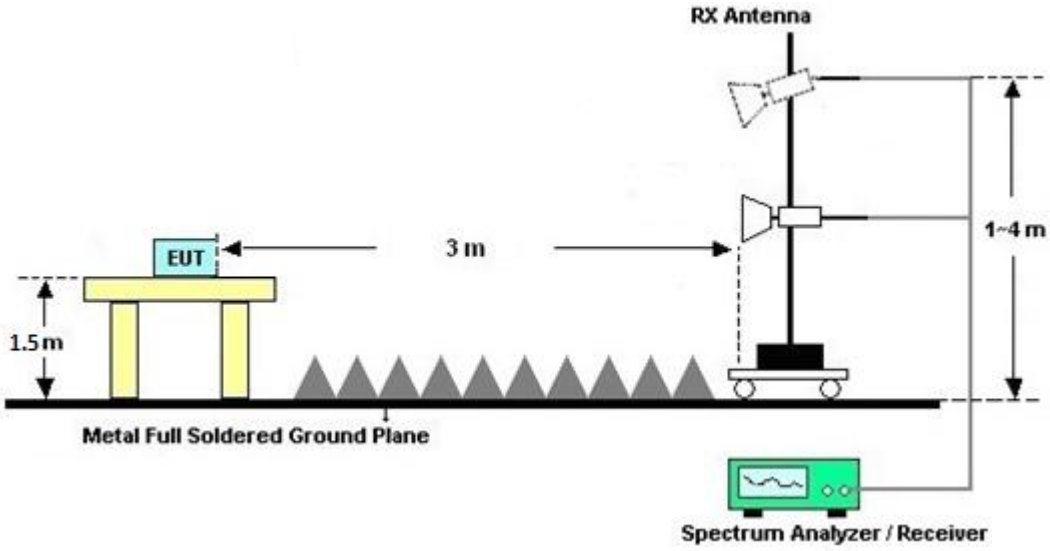
For radiated emissions below 30MHz



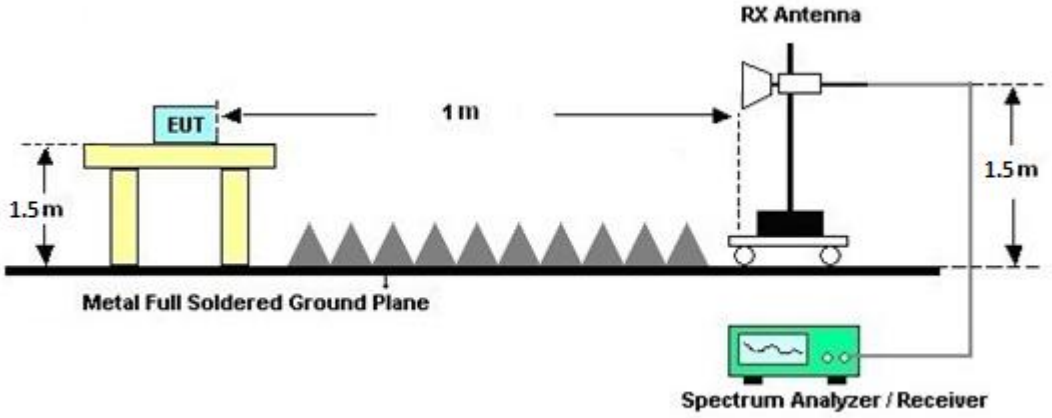
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

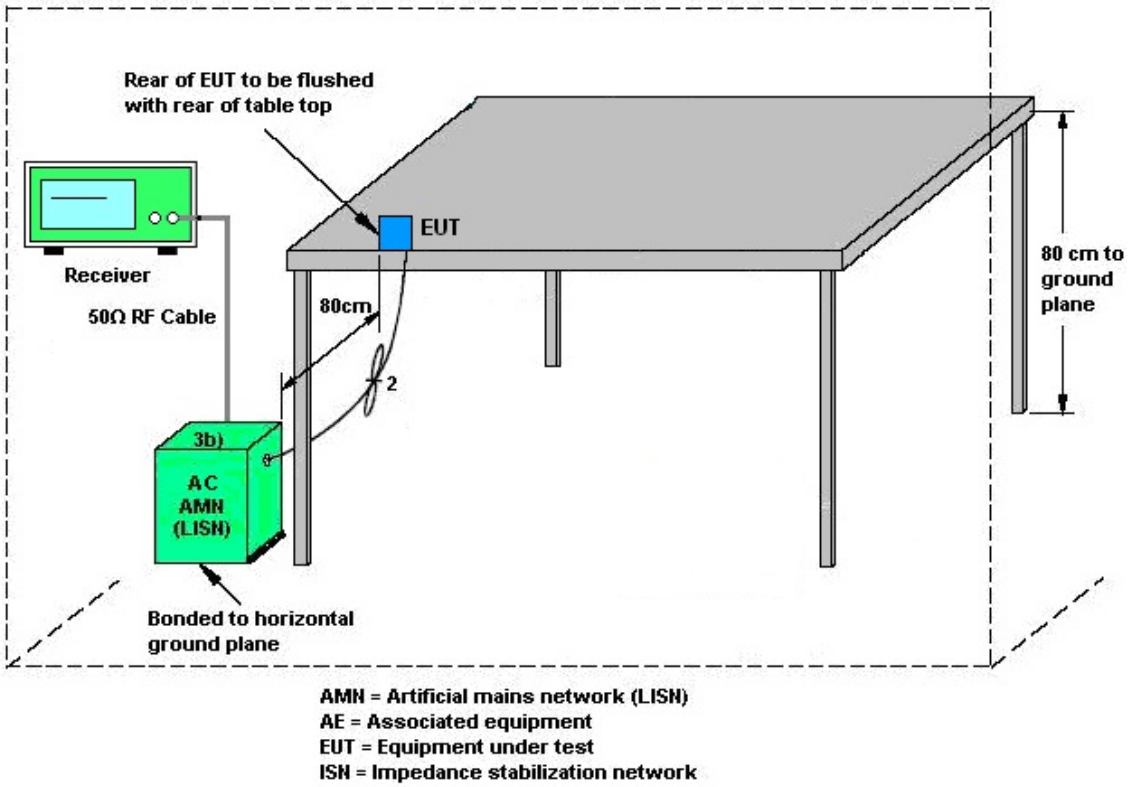
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 07, 2023	Apr. 02, 2024~ Apr. 09, 2024	Oct. 06, 2024	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Apr. 02, 2024~ Apr. 09, 2024	Sep. 11, 2024	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Aug. 17, 2023	Apr. 02, 2024~ Apr. 09, 2024	Aug. 16, 2024	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 10, 2023	Apr. 02, 2024~ Apr. 09, 2024	Jul. 09, 2024	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 08, 2023	Apr. 02, 2024~ Apr. 09, 2024	Dec. 07, 2024	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Mar. 25, 2024	Apr. 02, 2024~ Apr. 09, 2024	Mar. 24, 2025	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055007	1GHz~18GHz	Jun. 14, 2023	Apr. 02, 2024~ Apr. 09, 2024	Jun. 13, 2024	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Apr. 02, 2024~ Apr. 09, 2024	Jun. 26, 2024	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 05, 2023	Apr. 02, 2024~ Apr. 09, 2024	Oct. 04, 2024	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 02, 2024~ Apr. 09, 2024	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Apr. 02, 2024~ Apr. 09, 2024	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Apr. 02, 2024~ Apr. 09, 2024	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Apr. 02, 2024~ Apr. 09, 2024	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY1595/2	30MHz~40GHz	Mar. 06, 2024	Apr. 02, 2024~ Apr. 09, 2024	Mar. 05, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz~40GHz	Mar. 06, 2024	Apr. 02, 2024~ Apr. 09, 2024	Mar. 05, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Apr. 02, 2024~ Apr. 09, 2024	Mar. 05, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 06, 2024	Apr. 02, 2024~ Apr. 09, 2024	Mar. 05, 2025	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53G Low Pass	Sep. 11, 2023	Apr. 02, 2024~ Apr. 09, 2024	Sep. 10, 2024	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 11, 2023	Apr. 02, 2024~ Apr. 09, 2024	Sep. 10, 2024	Radiation (03CH11-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Apr. 08, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Apr. 08, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Apr. 08, 2024	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Apr. 08, 2024	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Apr. 08, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 10, 2024	Apr. 08, 2024	Mar. 09, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Apr. 08, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Mar. 19, 2024~ Apr. 19, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 36 (NO:35)	10MHz~6GHz	Aug. 23, 2023	Mar. 19, 2024~ Apr. 19, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101466	10HZ~44GHZ	Jan. 24, 2024	Mar. 19, 2024~ Apr. 19, 2024	Jan. 23, 2025	Conducted (TH05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.44 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.10 dB**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.30 dB**

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.30 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.30 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Wei Shun and Willy Chang	Temperature:	21~25	°C
Test Date:	2024/03/19~2024/04/19	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 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	1	36	5180	16.84	-	22.29	-	-		22.26	-		
11a	6Mbps	1	44	5220	17.15	-	29.54	-	-		22.34	-		
11a	6Mbps	1	48	5240	17.08	-	28.38	-	-		22.32	-		
HT20	MCS0	1	36	5180	18.12	-	31.40	-	-		22.58	-		
HT20	MCS0	1	44	5220	18.12	-	31.63	-	-		22.58	-	-	
HT20	MCS0	1	48	5240	18.22	-	32.43	-	-		22.60	-		
HT40	MCS0	1	38	5190	37.75	-	72.10	-	-		23.01	-		
HT40	MCS0	1	46	5230	37.75	-	74.69	-	-		23.01	-		
VHT80	MCS0	1	42	5210	75.73	-	147.62	-	-		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	DG (dBi)		Pass/Fail
					Ant 4	SUM	Ant 4	Ant 4		
11a	6Mbps	1	36	5180	17.40		24.00	-1.07		Pass
11a	6Mbps	1	44	5220	18.80		24.00	-1.07		Pass
11a	6Mbps	1	48	5240	18.80		24.00	-1.07		Pass
HT20	MCS0	1	36	5180	18.70		24.00	-1.07		Pass
HT20	MCS0	1	44	5220	18.70		24.00	-1.07		Pass
HT20	MCS0	1	48	5240	18.60		24.00	-1.07		Pass
HT40	MCS0	1	38	5190	18.70		24.00	-1.07		Pass
HT40	MCS0	1	46	5230	18.50	-	24.00	-1.07	-	Pass
VHT20	MCS0	1	36	5180	18.60		24.00	-1.07		Pass
VHT20	MCS0	1	44	5220	18.60		24.00	-1.07		Pass
VHT20	MCS0	1	48	5240	18.50		24.00	-1.07		Pass
VHT40	MCS0	1	38	5190	18.60		24.00	-1.07		Pass
VHT40	MCS0	1	46	5230	18.40		24.00	-1.07		Pass
VHT80	MCS0	1	42	5210	18.70		24.00	-1.07		Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	1	36	5180	0.12	-	6.65	-		11.00	-	-1.07	-		Pass
11a	6Mbps	1	44	5220	0.12	-	7.90	-		11.00	-	-1.07	-		Pass
11a	6Mbps	1	48	5240	0.12	-	8.18	-		11.00	-	-1.07	-		Pass
HT20	MCS0	1	36	5180	0.13	-	7.88	-		11.00	-	-1.07	-		Pass
HT20	MCS0	1	44	5220	0.13	-	7.50	-	-	11.00	-	-1.07	-	-	Pass
HT20	MCS0	1	48	5240	0.13	-	7.83	-		11.00	-	-1.07	-		Pass
HT40	MCS0	1	38	5190	0.23	-	5.46	-		11.00	-	-1.07	-		Pass
HT40	MCS0	1	46	5230	0.23	-	5.36	-		11.00	-	-1.07	-		Pass
VHT80	MCS0	1	42	5210	0.43	-	1.93	-		11.00	-	-1.07	-		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 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	
11a	6Mbps	1	52	5260	17.50	-	31.86	-	23.43	-	29.43	-	23.98	-	
11a	6Mbps	1	60	5300	17.23	-	32.18	-	23.36	-	29.36	-	23.98	-	
11a	6Mbps	1	64	5320	17.16	-	27.78	-	23.35	-	29.35	-	23.98	-	
HT20	MCS0	1	52	5260	18.46	-	33.49	-	23.66	-	29.66	-	23.98	-	
HT20	MCS0	1	60	5300	18.16	-	32.03	-	23.59	-	29.59	-	23.98	-	-
HT20	MCS0	1	64	5320	18.27	-	34.30	-	23.62	-	29.62	-	23.98	-	
HT40	MCS0	1	54	5270	37.72	-	74.69	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	37.91	-	77.98	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.72	-	146.37	-	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	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	SUM	Ant 4	Ant 4		
11a	6Mbps	1	52	5260	18.90	-	23.98	0.07	26.99	Pass
11a	6Mbps	1	60	5300	18.80		23.98	0.07	26.99	Pass
11a	6Mbps	1	64	5320	18.80		23.98	0.07	26.99	Pass
HT20	MCS0	1	52	5260	18.80		23.98	0.07	26.99	Pass
HT20	MCS0	1	60	5300	18.70		23.98	0.07	26.99	Pass
HT20	MCS0	1	64	5320	18.70		23.98	0.07	26.99	Pass
HT40	MCS0	1	54	5270	18.60		23.98	0.07	26.99	Pass
HT40	MCS0	1	62	5310	18.80		23.98	0.07	26.99	Pass
VHT20	MCS0	1	52	5260	18.70		23.98	0.07	26.99	Pass
VHT20	MCS0	1	60	5300	18.60		23.98	0.07	26.99	Pass
VHT20	MCS0	1	64	5320	18.60		23.98	0.07	26.99	Pass
VHT40	MCS0	1	54	5270	18.50		23.98	0.07	26.99	Pass
VHT40	MCS0	1	62	5310	18.70		23.98	0.07	26.99	Pass
VHT80	MCS0	1	58	5290	18.80		23.98	0.07	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	1	52	5260	0.12	-	8.29	-		11.00	-	0.07	-		Pass
11a	6Mbps	1	60	5300	0.12	-	7.64	-		11.00	-	0.07	-		Pass
11a	6Mbps	1	64	5320	0.12	-	8.15	-		11.00	-	0.07	-		Pass
HT20	MCS0	1	52	5260	0.13	-	8.06	-		11.00	-	0.07	-		Pass
HT20	MCS0	1	60	5300	0.13	-	7.33	-	-	11.00	-	0.07	-	-	Pass
HT20	MCS0	1	64	5320	0.13	-	8.33	-		11.00	-	0.07	-		Pass
HT40	MCS0	1	54	5270	0.23	-	5.35	-		11.00	-	0.07	-		Pass
HT40	MCS0	1	62	5310	0.23	-	4.95	-		11.00	-	0.07	-		Pass
VHT80	MCS0	1	58	5290	0.43	-	2.08	-		11.00	-	0.07	-		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 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2
11a	6Mbps	1	100	5500	16.86	-	23.44	-	23.27	-	29.27	-	23.98	-	----	----
11a	6Mbps	1	116	5580	17.34	-	33.04	-	23.39	-	29.39	-	23.98	-	----	----
11a	6Mbps	1	140	5700	17.66	-	31.10	-	23.47	-	29.47	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.34	-	33.92	-	23.63	-	29.63	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.47	-	33.14	-	23.67	-	29.67	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.54	-	34.15	-	23.68	-	29.68	-	23.98	-	----	----
HT40	MCS0	1	102	5510	38.09	-	75.90	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	38.56	-	79.97	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	37.98	-	77.07	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.82	-	147.68	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.88	-	153.41	-	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 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2
11a	6Mbps	1	144	5720	13.83	-	23.17	-	22.41	-	28.41	-	23.98	-	1.535	-
HT20	MCS0	1	144	5720	14.27	-	21.82	-	22.54	-	28.54	-	23.98	-	2.515	-
HT40	MCS0	1	142	5710	34.57	-	52.89	-	23.98	-	30.00	-	23.98	-	2.532	-
VHT80	MCS0	1	138	5690	73.11	-	119.03	-	23.98	-	30.00	-	23.98	-	2.536	-
6dB Bandwidth Limit ≧ 500kHz															Pass	

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	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	SUM	Ant 4	Ant 4		
11a	6Mbps	1	100	5500	16.90	-	23.98	2.99	26.99	Pass
11a	6Mbps	1	116	5580	16.50		23.98	2.99	26.99	Pass
11a	6Mbps	1	140	5700	16.70		23.98	2.99	26.99	Pass
HT20	MCS0	1	100	5500	16.90		23.98	2.99	26.99	Pass
HT20	MCS0	1	116	5580	16.70		23.98	2.99	26.99	Pass
HT20	MCS0	1	140	5700	16.50		23.98	2.99	26.99	Pass
HT40	MCS0	1	102	5510	16.70		23.98	2.99	26.99	Pass
HT40	MCS0	1	110	5550	16.70		23.98	2.99	26.99	Pass
HT40	MCS0	1	134	5670	16.50		23.98	2.99	26.99	Pass
VHT20	MCS0	1	100	5500	16.80		23.98	2.99	26.99	Pass
VHT20	MCS0	1	116	5580	16.60		23.98	2.99	26.99	Pass
VHT20	MCS0	1	140	5700	16.40		23.98	2.99	26.99	Pass
VHT40	MCS0	1	102	5510	16.60		23.98	2.99	26.99	Pass
VHT40	MCS0	1	110	5550	16.60		23.98	2.99	26.99	Pass
VHT40	MCS0	1	134	5670	16.40		23.98	2.99	26.99	Pass
VHT80	MCS0	1	106	5530	16.90		23.98	2.99	26.99	Pass
VHT80	MCS0	1	122	5610	16.80		23.98	2.99	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	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	SUM	Ant 4	Ant 4		
11a	6Mbps	1	144	5720	16.60	-	23.98	2.99	26.99	Pass
HT20	MCS0	1	144	5720	16.90		23.98	2.99	26.99	Pass
HT40	MCS0	1	142	5710	16.90		23.98	2.99	26.99	Pass
VHT20	MCS0	1	144	5720	16.80		23.98	2.99	26.99	Pass
VHT40	MCS0	1	142	5710	16.80		23.98	2.99	26.99	Pass
VHT80	MCS0	1	138	5690	16.60		23.98	2.99	26.99	Pass

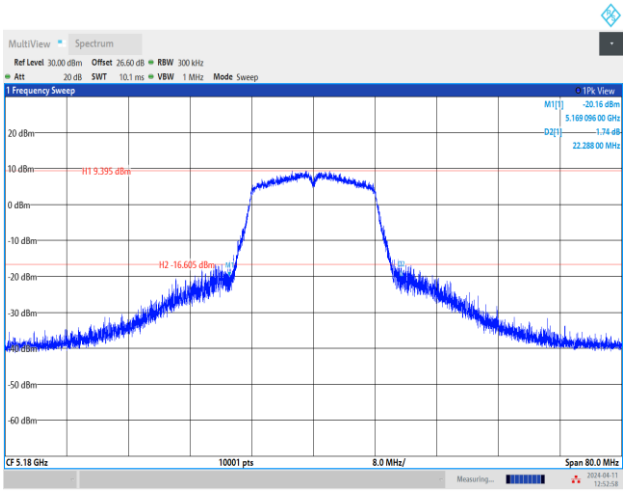
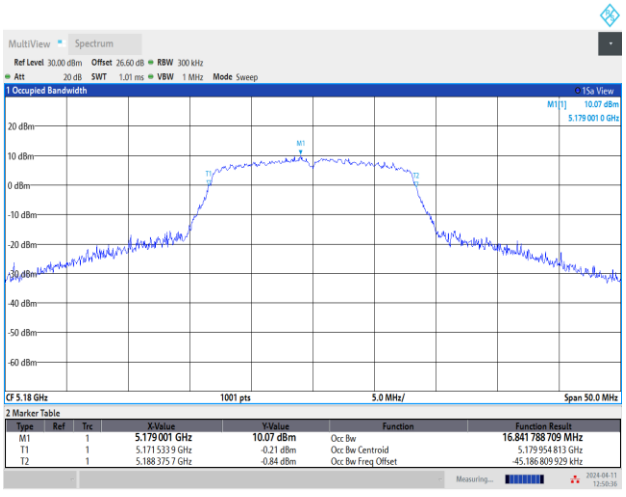
TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	1	100	5500	0.12	-	5.83	-		11.00	-	2.99	-		Pass
11a	6Mbps	1	116	5580	0.12	-	5.29	-		11.00	-	2.99	-		Pass
11a	6Mbps	1	140	5700	0.12	-	5.58	-		11.00	-	2.99	-		Pass
HT20	MCS0	1	100	5500	0.13	-	5.52	-		11.00	-	2.99	-		Pass
HT20	MCS0	1	116	5580	0.13	-	5.47	-		11.00	-	2.99	-		Pass
HT20	MCS0	1	140	5700	0.13	-	5.32	-	-	11.00	-	2.99	-	-	Pass
HT40	MCS0	1	102	5510	0.23	-	2.87	-		11.00	-	2.99	-		Pass
HT40	MCS0	1	110	5550	0.23	-	2.58	-		11.00	-	2.99	-		Pass
HT40	MCS0	1	134	5670	0.23	-	2.79	-		11.00	-	2.99	-		Pass
VHT80	MCS0	1	106	5530	0.43	-	0.05	-		11.00	-	2.99	-		Pass
VHT80	MCS0	1	122	5610	0.43	-	-0.04	-		11.00	-	2.99	-		Pass

U-NII-2C straddle channel single antenna															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	1	144	5720	0.12	-	5.77	-		11.00	-	2.99	-		Pass
HT20	MCS0	1	144	5720	0.13	-	5.88	-	-	11.00	-	2.99	-	-	Pass
HT40	MCS0	1	142	5710	0.23	-	3.01	-		11.00	-	2.99	-		Pass
VHT80	MCS0	1	138	5690	0.43	-	-0.06	-		11.00	-	2.99	-		Pass

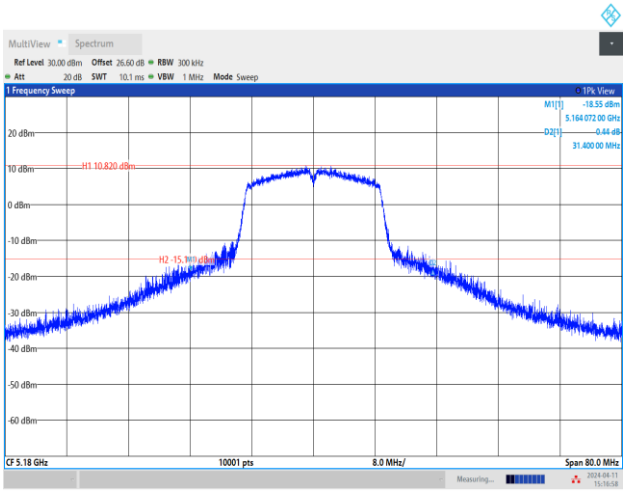
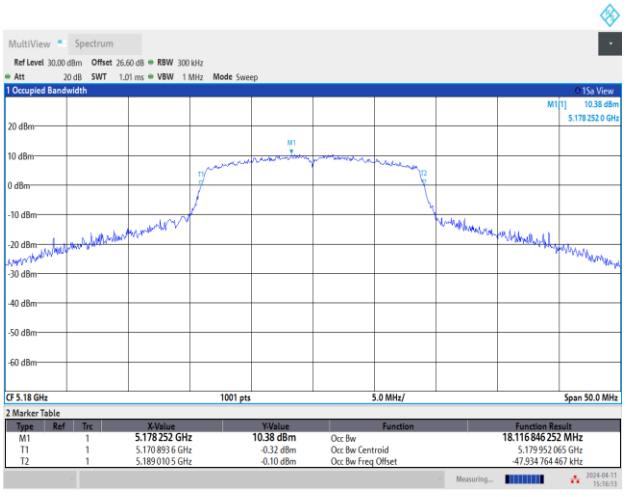
Test Result of 26dB & 99% Occupied Bandwidth

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

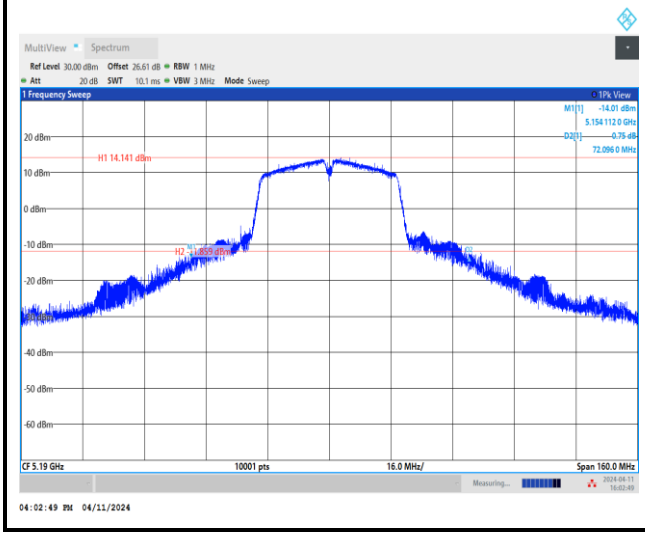
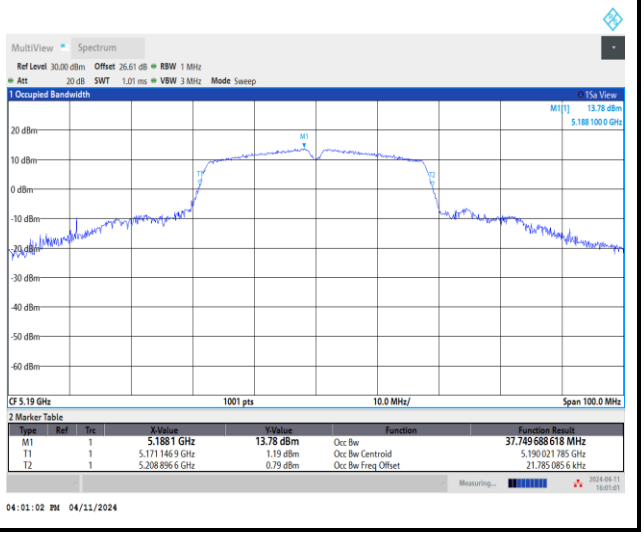
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT20>

26dB Bandwidth	99% Occupied Bandwidth
	

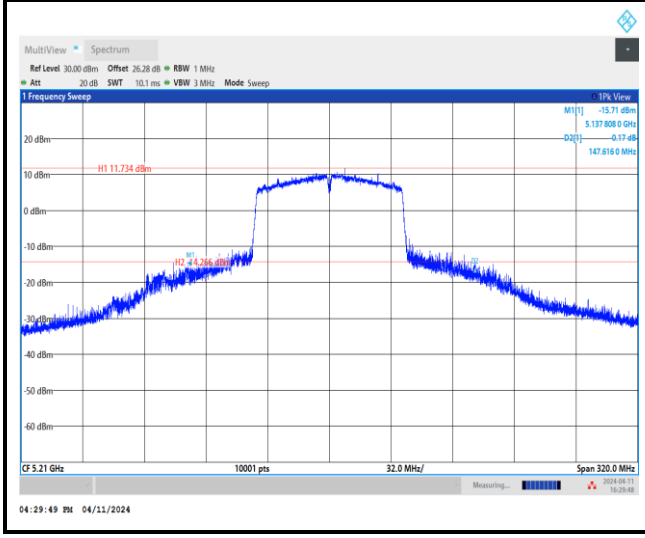
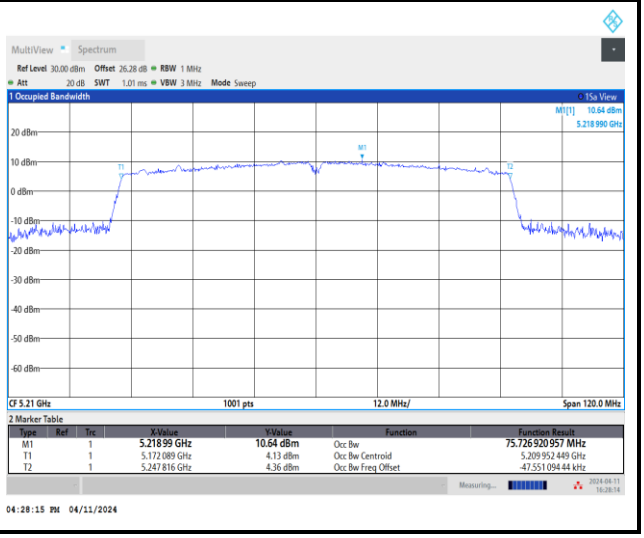
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT40>

26dB Bandwidth	99% Occupied Bandwidth
	

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

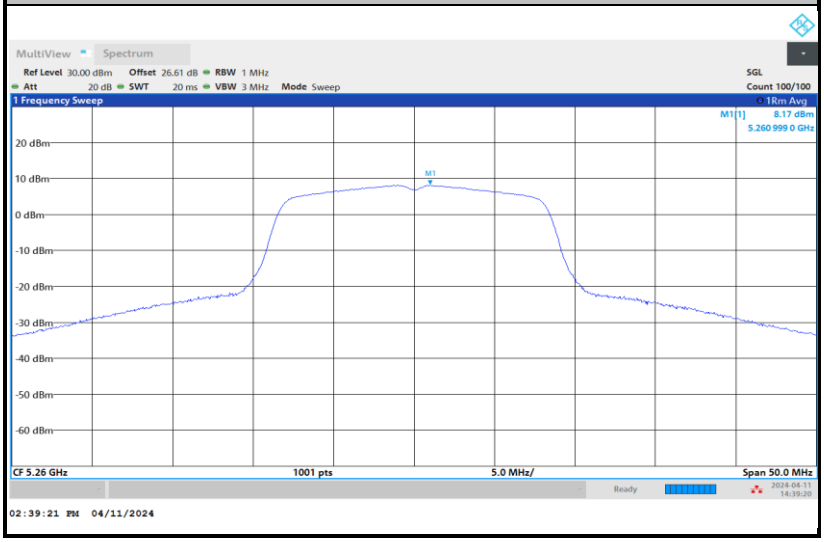
<802.11ac VHT80>

26dB Bandwidth	99% Occupied Bandwidth
	

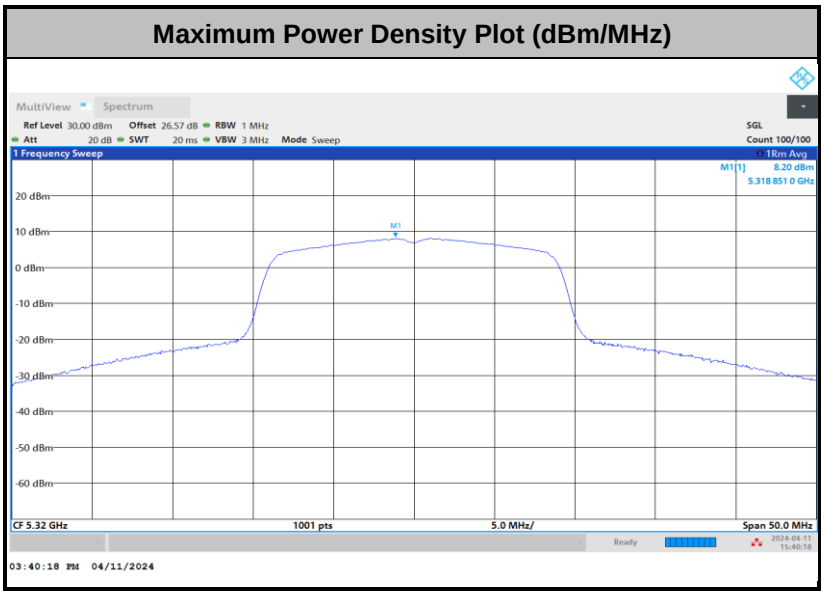
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

<802.11a>

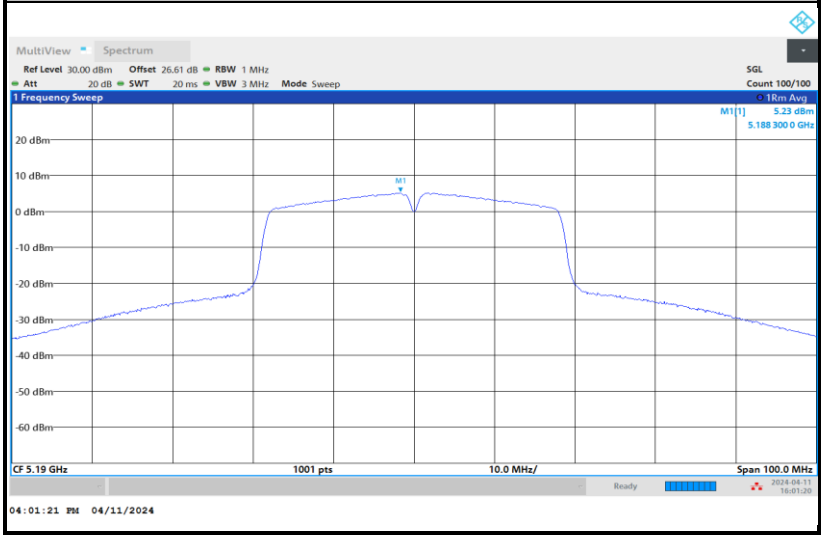
Maximum Power Density Plot (dBm/MHz)


<802.11n HT20>

Maximum Power Density Plot (dBm/MHz)


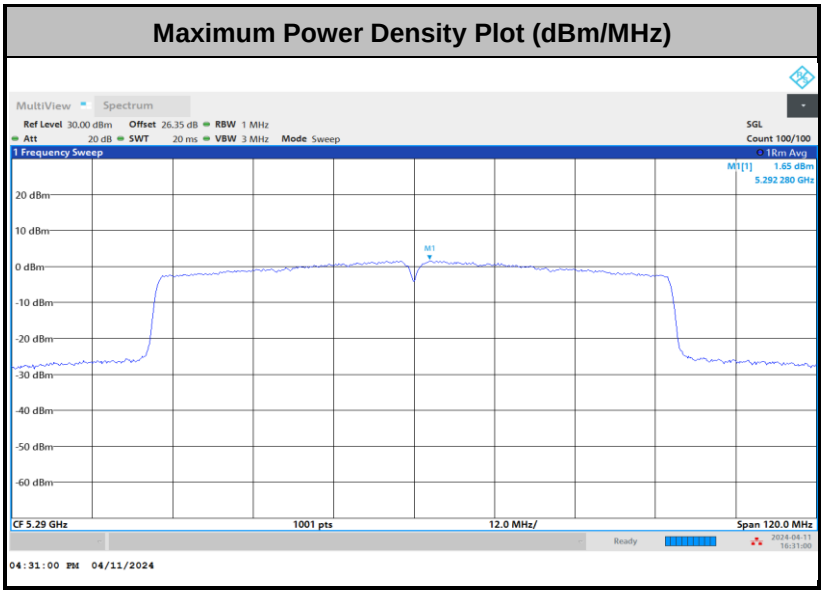
<802.11n HT40>

Maximum Power Density Plot (dBm/MHz)



<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)

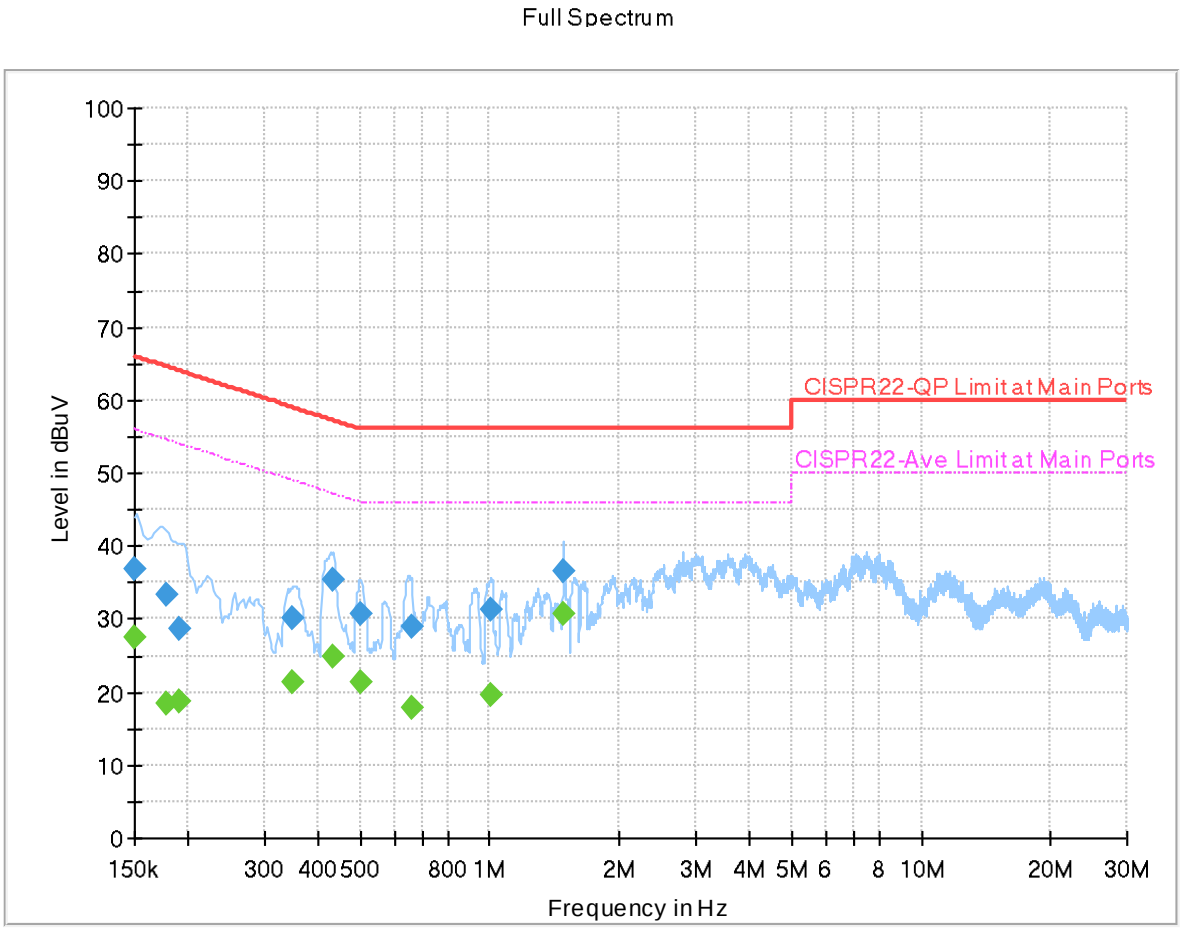


Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	20.7~22.3℃
		Relative Humidity :	49~74.8%

EUT Information

Report NO :	3D2225
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

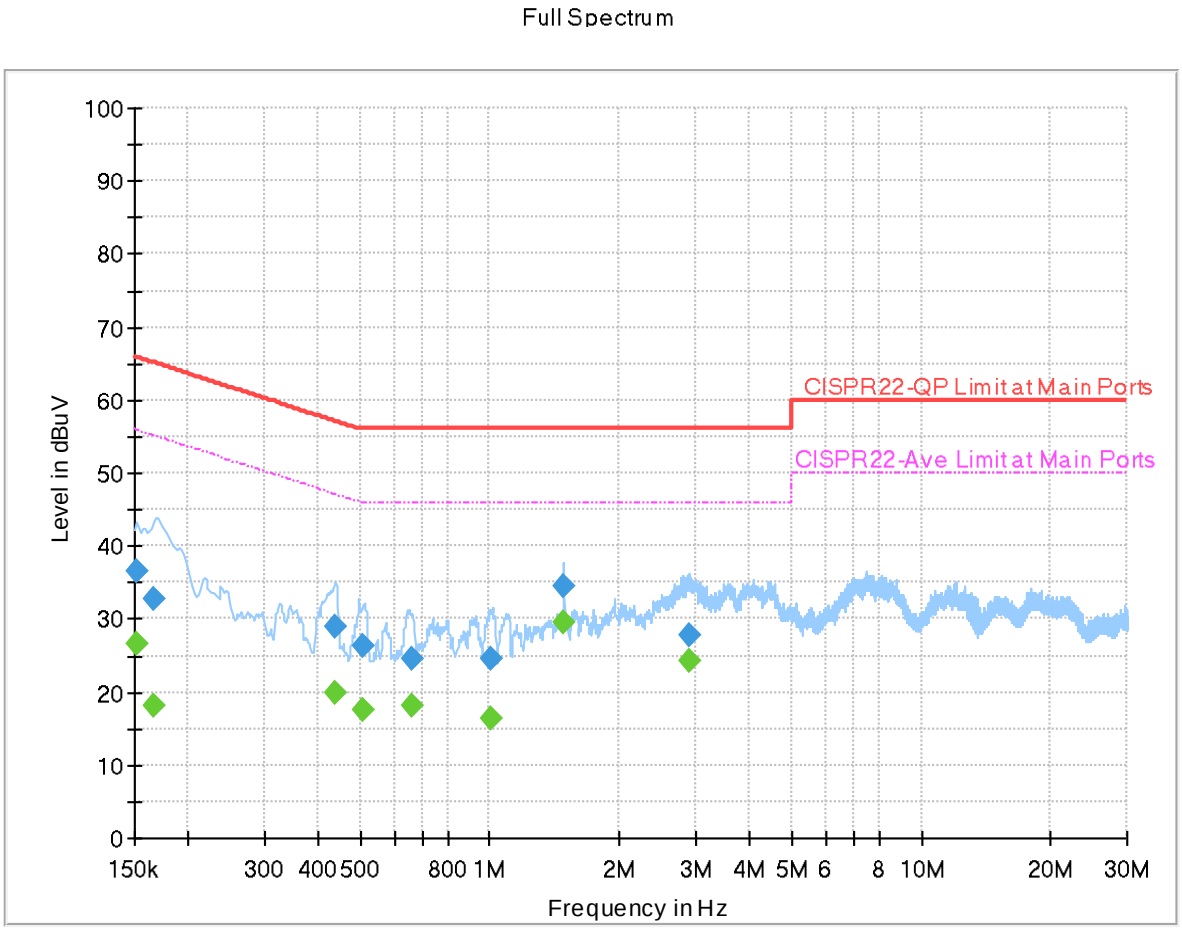


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	27.62	56.00	28.38	L1	OFF	19.9
0.150000	36.72	---	66.00	29.28	L1	OFF	19.9
0.177360	---	18.40	54.61	36.21	L1	OFF	19.9
0.177360	33.20	---	64.61	31.41	L1	OFF	19.9
0.190770	---	18.71	54.00	35.29	L1	OFF	19.9
0.190770	28.53	---	64.00	35.47	L1	OFF	19.9
0.347910	---	21.40	49.01	27.61	L1	OFF	19.9
0.347910	30.16	---	59.01	28.85	L1	OFF	19.9
0.430440	---	24.83	47.24	22.41	L1	OFF	19.9
0.430440	35.51	---	57.24	21.73	L1	OFF	19.9
0.502980	---	21.33	46.00	24.67	L1	OFF	19.9
0.502980	30.62	---	56.00	25.38	L1	OFF	19.9
0.660750	---	17.89	46.00	28.11	L1	OFF	19.9
0.660750	28.94	---	56.00	27.06	L1	OFF	19.9
1.000500	---	19.63	46.00	26.37	L1	OFF	19.9
1.000500	31.16	---	56.00	24.84	L1	OFF	19.9
1.484340	---	30.81	46.00	15.19	L1	OFF	19.9
1.484340	36.44	---	56.00	19.56	L1	OFF	19.9

EUT Information

Report NO :	3D2225
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150878	---	26.60	55.95	29.35	N	OFF	19.9
0.150878	36.58	---	65.95	29.37	N	OFF	19.9
0.167100	---	18.27	55.10	36.83	N	OFF	19.9
0.167100	32.89	---	65.10	32.21	N	OFF	19.9
0.435840	---	19.98	47.14	27.16	N	OFF	19.9
0.435840	28.90	---	57.14	28.24	N	OFF	19.9
0.507750	---	17.45	46.00	28.55	N	OFF	19.9
0.507750	26.23	---	56.00	29.77	N	OFF	19.9
0.656250	---	17.99	46.00	28.01	N	OFF	19.9
0.656250	24.64	---	56.00	31.36	N	OFF	19.9
1.009500	---	16.44	46.00	29.56	N	OFF	19.9
1.009500	24.50	---	56.00	31.50	N	OFF	19.9
1.483170	---	29.56	46.00	16.44	N	OFF	19.9
1.483170	34.49	---	56.00	21.51	N	OFF	19.9
2.889690	---	24.18	46.00	21.82	N	OFF	20.0
2.889690	27.69	---	56.00	28.31	N	OFF	20.0

Appendix C. Radiated Spurious Emission

Test Engineer :	Sam Chou and Troye Hsieh	Temperature :	20.0~20.8°C
		Relative Humidity :	53.2~64.8%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.46	60.54	-13.46	74	49.84	33.2	10.37	32.87	103	71	P	H
		5150	49.38	-4.62	54	38.68	33.2	10.37	32.87	103	71	A	H
	*	5180	107.52	-	-	96.86	33.14	10.39	32.87	103	71	P	H
	*	5180	100.02	-	-	89.36	33.14	10.39	32.87	103	71	A	H
													H
													H
		5149.76	59.81	-14.19	74	49.11	33.2	10.37	32.87	390	6	P	V
		5150	49.17	-4.83	54	38.47	33.2	10.37	32.87	390	6	A	V
	*	5180	106.82	-	-	96.16	33.14	10.39	32.87	390	6	P	V
	*	5180	98.67	-	-	88.01	33.14	10.39	32.87	390	6	A	V
													V
													V
802.11a CH 44 5220MHz		5087.62	52.5	-21.5	74	41.86	33.2	10.31	32.87	100	71	P	H
		5141.44	43.28	-10.72	54	32.59	33.2	10.36	32.87	100	71	A	H
	*	5220	109.51	-	-	98.89	33.06	10.42	32.86	100	71	P	H
	*	5220	101.27	-	-	90.65	33.06	10.42	32.86	100	71	A	H
		5382.16	50.83	-23.17	74	40.21	32.94	10.53	32.85	100	71	P	H
		5388.04	41.31	-12.69	54	30.71	32.92	10.53	32.85	100	71	A	H
		5059.02	53.09	-20.91	74	42.48	33.2	10.29	32.88	400	5	P	V
		5130.26	43.31	-10.69	54	32.63	33.2	10.35	32.87	400	5	A	V
	*	5220	110.16	-	-	99.54	33.06	10.42	32.86	400	5	P	V
	*	5220	101.89	-	-	91.27	33.06	10.42	32.86	400	5	A	V
		5360.04	50.2	-23.8	74	39.56	32.98	10.51	32.85	400	5	P	V
		5354.72	41.42	-12.58	54	30.77	32.99	10.51	32.85	400	5	A	V

WIFI Ant. 4	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		5079.82	52.8	-21.2	74	42.16	33.2	10.31	32.87	111	69	P	H
		5061.36	42.89	-11.11	54	32.28	33.2	10.29	32.88	111	69	A	H
	*	5240	109.35	-	-	98.75	33.02	10.44	32.86	111	69	P	H
	*	5240	101.56	-	-	90.96	33.02	10.44	32.86	111	69	A	H
		5398.96	50.99	-23.01	74	40.4	32.9	10.54	32.85	111	69	P	H
		5372.08	41.32	-12.68	54	30.69	32.96	10.52	32.85	111	69	A	H
		5024.44	53.04	-20.96	74	42.46	33.2	10.26	32.88	400	8	P	V
		5074.1	42.99	-11.01	54	32.36	33.2	10.3	32.87	400	8	A	V
	*	5240	110.26	-	-	99.66	33.02	10.44	32.86	400	8	P	V
	*	5240	101.43	-	-	90.83	33.02	10.44	32.86	400	8	A	V
		5351.36	50.6	-23.4	74	39.94	33	10.51	32.85	400	8	P	V
		5354.16	41.46	-12.54	54	30.81	32.99	10.51	32.85	400	8	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. 4	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	47.15	-21.05	68.2	51.18	38.8	17.2	60.03	-	-	P	H
		15540	49.26	-24.74	74	52.2	38	20.96	61.9	110	312	P	H
		15540	38.28	-15.72	54	41.22	38	20.96	61.9	110	312	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	47.02	-21.18	68.2	51.05	38.8	17.2	60.03	-	-	P	V
		15540	48.31	-25.69	74	51.25	38	20.96	61.9	100	55	P	V
		15540	37.25	-16.75	54	40.19	38	20.96	61.9	100	55	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	46.34	-21.86	68.2	50.43	38.8	17.24	60.13	-	-	P	H
		15660	48.42	-25.58	74	51.35	37.6	21.03	61.56	100	307	P	H
		15660	38.73	-15.27	54	41.66	37.6	21.03	61.56	100	307	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	46.63	-21.57	68.2	50.72	38.8	17.24	60.13	-	-	P	V
		15660	49.24	-24.76	74	52.17	37.6	21.03	61.56	100	58	P	V
		15660	38.56	-15.44	54	41.49	37.6	21.03	61.56	100	58	A	V
													V
													V
													V
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													V

WIFI Ant. 4	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	46.61	-21.59	68.2	50.79	38.74	17.26	60.18	-	-	P	H
		15720	51.41	-22.59	74	54.13	37.6	21.07	61.39	117	311	P	H
		15720	39.46	-14.54	54	42.18	37.6	21.07	61.39	117	311	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10480	45.69	-22.51	68.2	49.87	38.74	17.26	60.18	-	-	P	V
		15720	51.16	-22.84	74	53.88	37.6	21.07	61.39	100	57	P	V
		15720	39.99	-14.01	54	42.71	37.6	21.07	61.39	100	57	A	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 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4	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)
		5150	64.17	-9.83	74	53.47	33.2	10.37	32.87	102	71	P	H
		5150	50.07	-3.93	54	39.37	33.2	10.37	32.87	102	71	A	H
	*	5180	107.47	-	-	96.81	33.14	10.39	32.87	102	71	P	H
	*	5180	99.23	-	-	88.57	33.14	10.39	32.87	102	71	A	H
802.11n													H
HT20													H
CH 36		5145.86	59.76	-14.24	74	49.07	33.2	10.36	32.87	100	303	P	V
5180MHz		5150	48.49	-5.51	54	37.79	33.2	10.37	32.87	100	303	A	V
	*	5180	106.32	-	-	95.66	33.14	10.39	32.87	100	303	P	V
	*	5180	98.2	-	-	87.54	33.14	10.39	32.87	100	303	A	V
													V
													V
		5063.7	53.57	-20.43	74	42.95	33.2	10.29	32.87	108	70	P	H
		5146.38	43.4	-10.6	54	32.71	33.2	10.36	32.87	108	70	A	H
	*	5220	110.27	-	-	99.65	33.06	10.42	32.86	108	70	P	H
	*	5220	102.23	-	-	91.61	33.06	10.42	32.86	108	70	A	H
802.11n		5421.36	50.49	-23.51	74	39.84	32.94	10.56	32.85	108	70	P	H
HT20		5384.12	41.62	-12.38	54	31.01	32.93	10.53	32.85	108	70	A	H
CH 44		5100.1	52.77	-21.23	74	42.11	33.2	10.33	32.87	100	303	P	V
5220MHz		5093.86	43.27	-10.73	54	32.62	33.2	10.32	32.87	100	303	A	V
	*	5220	108.17	-	-	97.55	33.06	10.42	32.86	100	303	P	V
	*	5220	100.62	-	-	90	33.06	10.42	32.86	100	303	A	V
		5389.44	50.83	-23.17	74	40.23	32.92	10.53	32.85	100	303	P	V
		5353.04	41.48	-12.52	54	30.83	32.99	10.51	32.85	100	303	A	V

WIFI Ant. 4	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		5117.26	53.01	-20.99	74	42.34	33.2	10.34	32.87	100	68	P	H
		5073.32	43.36	-10.64	54	32.73	33.2	10.3	32.87	100	68	A	H
	*	5240	110.84	-	-	100.24	33.02	10.44	32.86	100	68	P	H
	*	5240	102.91	-	-	92.31	33.02	10.44	32.86	100	68	A	H
		5351.92	51.13	-22.87	74	40.47	33	10.51	32.85	100	68	P	H
		5351.92	42.32	-11.68	54	31.66	33	10.51	32.85	100	68	A	H
		5096.2	53.31	-20.69	74	42.66	33.2	10.32	32.87	100	305	P	V
		5067.6	43.25	-10.75	54	32.62	33.2	10.3	32.87	100	305	A	V
	*	5240	109.17	-	-	98.57	33.02	10.44	32.86	100	305	P	V
	*	5240	101.23	-	-	90.63	33.02	10.44	32.86	100	305	A	V
		5350.8	51.75	-22.25	74	41.09	33	10.51	32.85	100	305	P	V
		5352.48	41.91	-12.09	54	31.25	33	10.51	32.85	100	305	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	46.79	-21.41	68.2	50.82	38.8	17.2	60.03	-	-	P	H
		15540	45.32	-28.68	74	48.26	38	20.96	61.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 36		10360	46.35	-21.85	68.2	50.38	38.8	17.2	60.03	-	-	P	V
5180MHz		15540	46.88	-27.12	74	49.82	38	20.96	61.9	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	46.54	-21.66	68.2	50.63	38.8	17.24	60.13	-	-	P	H
		15660	45.39	-28.61	74	48.32	37.6	21.03	61.56	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 44		10440	46.29	-21.91	68.2	50.38	38.8	17.24	60.13	-	-	P	V
5220MHz		15660	45.75	-28.25	74	48.68	37.6	21.03	61.56	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	45.36	-22.84	68.2	49.54	38.74	17.26	60.18	-	-	P	H
		15720	47.31	-26.69	74	50.03	37.6	21.07	61.39	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 48		10480	45.52	-22.68	68.2	49.7	38.74	17.26	60.18	-	-	P	V
5240MHz		15720	46.93	-27.07	74	49.65	37.6	21.07	61.39	-	-	P	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 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4	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	66.22	-7.78	74	55.52	33.2	10.37	32.87	100	72	P	H
		5149.76	49.78	-4.22	54	39.08	33.2	10.37	32.87	100	72	A	H
	*	5190	102.97	-	-	92.31	33.12	10.4	32.86	100	72	P	H
	*	5190	94.86	-	-	84.2	33.12	10.4	32.86	100	72	A	H
		5376	52.74	-21.26	74	42.12	32.95	10.52	32.85	100	72	P	H
		5440.4	41.72	-12.28	54	31	32.98	10.58	32.84	100	72	A	H
		5149.76	64.55	-9.45	74	53.85	33.2	10.37	32.87	100	302	P	V
		5149.76	48.75	-5.25	54	38.05	33.2	10.37	32.87	100	302	A	V
	*	5190	101.92	-	-	91.26	33.12	10.4	32.86	100	302	P	V
	*	5190	94.47	-	-	83.81	33.12	10.4	32.86	100	302	A	V
		5353.6	50.98	-23.02	74	40.33	32.99	10.51	32.85	100	302	P	V
		5437.6	41.63	-12.37	54	30.91	32.98	10.58	32.84	100	302	A	V
802.11n HT40 CH 46 5230MHz		5146.64	59.28	-14.72	74	48.59	33.2	10.36	32.87	109	70	P	H
		5149.76	46.33	-7.67	54	35.63	33.2	10.37	32.87	109	70	A	H
	*	5230	107.7	-	-	97.09	33.04	10.43	32.86	109	70	P	H
	*	5230	99.51	-	-	88.9	33.04	10.43	32.86	109	70	A	H
		5351.36	53.15	-20.85	74	42.49	33	10.51	32.85	109	70	P	H
		5350.8	42.55	-11.45	54	31.89	33	10.51	32.85	109	70	A	H
		5148.98	56.5	-17.5	74	45.8	33.2	10.37	32.87	100	302	P	V
		5149.24	46.24	-7.76	54	35.54	33.2	10.37	32.87	100	302	A	V
	*	5230	105.38	-	-	94.77	33.04	10.43	32.86	100	302	P	V
	*	5230	97.43	-	-	86.82	33.04	10.43	32.86	100	302	A	V
		5352.76	52.1	-21.9	74	41.45	32.99	10.51	32.85	100	302	P	V
		5353.32	42.5	-11.5	54	31.85	32.99	10.51	32.85	100	302	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	46.38	-21.82	68.2	50.43	38.8	17.21	60.06	-	-	P	H
		15570	45.39	-28.61	74	48.22	38	20.98	61.81	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 38		10380	45.21	-22.99	68.2	49.26	38.8	17.21	60.06	-	-	P	V
5190MHz		15570	44.28	-29.72	74	47.11	38	20.98	61.81	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	46.73	-21.47	68.2	50.86	38.78	17.25	60.16	-	-	P	H
		15690	45.73	-28.27	74	48.55	37.6	21.05	61.47	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 46		10460	45.63	-22.57	68.2	49.76	38.78	17.25	60.16	-	-	P	V
5230MHz		15690	45.06	-28.94	74	47.88	37.6	21.05	61.47	-	-	P	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 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4	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		5149.26	59.62	-14.38	74	48.92	33.2	10.37	32.87	117	72	P	H
		5144.16	48.9	-5.1	54	38.21	33.2	10.36	32.87	117	72	A	H
	*	5210	97.76	-	-	87.12	33.08	10.42	32.86	117	72	P	H
	*	5210	89.17	-	-	78.53	33.08	10.42	32.86	117	72	A	H
		5436.6	50.36	-23.64	74	39.66	32.97	10.58	32.85	117	72	P	H
		5454.28	42.45	-11.55	54	31.7	32.99	10.6	32.84	117	72	A	H
		5149.26	55.72	-18.28	74	45.02	33.2	10.37	32.87	100	303	P	V
		5149.94	47.5	-6.5	54	36.8	33.2	10.37	32.87	100	303	A	V
	*	5210	97.12	-	-	86.48	33.08	10.42	32.86	100	303	P	V
	*	5210	89.01	-	-	78.37	33.08	10.42	32.86	100	303	A	V
		5454.28	50.85	-23.15	74	40.1	32.99	10.6	32.84	100	303	P	V
		5456.36	42.47	-11.53	54	31.72	32.99	10.6	32.84	100	303	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.43	-21.77	68.2	50.51	38.8	17.23	60.11	-	-	P	H
		15630	44.82	-29.18	74	47.68	37.76	21.02	61.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 42		10420	45.62	-22.58	68.2	49.7	38.8	17.23	60.11	-	-	P	V
5210MHz		15630	44.63	-29.37	74	47.49	37.76	21.02	61.64	-	-	P	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 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4	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		5107.44	52.32	-21.68	74	41.66	33.2	10.33	32.87	121	70	P	H
		5091.46	43.09	-10.91	54	32.44	33.2	10.32	32.87	121	70	A	H
	*	5260	110.67	-	-	100.1	32.98	10.45	32.86	121	70	P	H
	*	5260	102.93	-	-	92.36	32.98	10.45	32.86	121	70	A	H
		5351.04	50.77	-23.23	74	40.11	33	10.51	32.85	121	70	P	H
		5352.48	42.3	-11.7	54	31.64	33	10.51	32.85	121	70	A	H
		5109.82	52.57	-21.43	74	41.91	33.2	10.33	32.87	114	304	P	V
		5091.46	43.09	-10.91	54	32.44	33.2	10.32	32.87	114	304	A	V
	*	5260	109.45	-	-	98.88	32.98	10.45	32.86	114	304	P	V
	*	5260	101.8	-	-	91.23	32.98	10.45	32.86	114	304	A	V
		5432.4	51.15	-22.85	74	40.46	32.96	10.58	32.85	114	304	P	V
		5351.76	41.98	-12.02	54	31.32	33	10.51	32.85	114	304	A	V
802.11a CH 60 5300MHz		5036.72	52.52	-21.48	74	41.93	33.2	10.27	32.88	100	67	P	H
		5043.18	43.08	-10.92	54	32.48	33.2	10.28	32.88	100	67	A	H
	*	5300	111.82	-	-	101.3	32.9	10.48	32.86	100	67	P	H
	*	5300	103.21	-	-	92.69	32.9	10.48	32.86	100	67	A	H
		5350.56	58.23	-15.77	74	47.57	33	10.51	32.85	100	67	P	H
		5350.32	48.15	-5.85	54	37.49	33	10.51	32.85	100	67	A	H
		5088.74	52.93	-21.07	74	42.28	33.2	10.32	32.87	100	306	P	V
		5026.52	42.95	-11.05	54	32.37	33.2	10.26	32.88	100	306	A	V
	*	5300	109.57	-	-	99.05	32.9	10.48	32.86	100	306	P	V
	*	5300	102.12	-	-	91.6	32.9	10.48	32.86	100	306	A	V
		5350.08	59.67	-14.33	74	49.01	33	10.51	32.85	100	306	P	V
		5350.32	46.93	-7.07	54	36.27	33	10.51	32.85	100	306	A	V

WIFI Ant. 4	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	109.53	-	-	98.95	32.94	10.49	32.85	115	68	P	H
	*	5320	100.72	-	-	90.14	32.94	10.49	32.85	115	68	A	H
		5353.6	64.7	-9.3	74	54.05	32.99	10.51	32.85	115	68	P	H
		5350.08	50.27	-3.73	54	39.61	33	10.51	32.85	115	68	A	H
													H
													H
	*	5320	107.5	-	-	96.92	32.94	10.49	32.85	100	304	P	V
	*	5320	99.35	-	-	88.77	32.94	10.49	32.85	100	304	A	V
		5351.04	64.71	-9.29	74	54.05	33	10.51	32.85	100	304	P	V
		5350.24	49.41	-4.59	54	38.75	33	10.51	32.85	100	304	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	45.25	-22.95	68.2	49.47	38.74	17.28	60.24	-	-	P	H
		15780	45.23	-28.77	74	47.81	37.54	21.1	61.22	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	45.86	-22.34	68.2	50.08	38.74	17.28	60.24	-	-	P	V
		15780	45.51	-28.49	74	48.09	37.54	21.1	61.22	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	44.98	-29.02	74	48.93	39.1	17.32	60.37	-	-	P	H
		15900	46.64	-27.36	74	48.65	37.7	21.17	60.88	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 60 5300MHz													H
		10600	45.02	-28.98	74	48.97	39.1	17.32	60.37	-	-	P	V
		15900	46.93	-27.07	74	48.94	37.7	21.17	60.88	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	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	44.8	-29.2	74	48.64	39.26	17.34	60.44	-	-	P	H
		15960	45.99	-28.01	74	48.11	37.38	21.21	60.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10640	45.13	-28.87	74	48.97	39.26	17.34	60.44	-	-	P	V
		15960	47.55	-26.45	74	49.67	37.38	21.21	60.71	-	-	P	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 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4	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)
		5080.58	53.35	-20.65	74	42.71	33.2	10.31	32.87	120	68	P	H
		5093.5	43.16	-10.84	54	32.51	33.2	10.32	32.87	120	68	A	H
	*	5260	110.58	-	-	100.01	32.98	10.45	32.86	120	68	P	H
	*	5260	103.23	-	-	92.66	32.98	10.45	32.86	120	68	A	H
802.11n		5360.88	52.25	-21.75	74	41.61	32.98	10.51	32.85	120	68	P	H
HT20		5350.56	42.94	-11.06	54	32.28	33	10.51	32.85	120	68	A	H
CH 52		5020.74	52.48	-21.52	74	41.9	33.2	10.26	32.88	103	306	P	V
5260MHz		5038.76	43.21	-10.79	54	32.62	33.2	10.27	32.88	103	306	A	V
	*	5260	110.54	-	-	99.97	32.98	10.45	32.86	103	306	P	V
	*	5260	102.01	-	-	91.44	32.98	10.45	32.86	103	306	A	V
		5430.72	52.36	-21.64	74	41.68	32.96	10.57	32.85	103	306	P	V
		5353.2	42.34	-11.66	54	31.69	32.99	10.51	32.85	103	306	A	V
		5072.42	52.56	-21.44	74	41.93	33.2	10.3	32.87	109	69	P	H
		5065.62	43.04	-10.96	54	32.41	33.2	10.3	32.87	109	69	A	H
	*	5300	110.47	-	-	99.95	32.9	10.48	32.86	109	69	P	H
	*	5300	102.29	-	-	91.77	32.9	10.48	32.86	109	69	A	H
802.11n		5359.92	57.26	-16.74	74	46.62	32.98	10.51	32.85	109	69	P	H
HT20		5350.08	45.83	-8.17	54	35.17	33	10.51	32.85	109	69	A	H
CH 60		5032.98	52.81	-21.19	74	42.22	33.2	10.27	32.88	100	305	P	V
5300MHz		5004.76	42.94	-11.06	54	32.38	33.2	10.24	32.88	100	305	A	V
	*	5300	109.47	-	-	98.95	32.9	10.48	32.86	100	305	P	V
	*	5300	100.71	-	-	90.19	32.9	10.48	32.86	100	305	A	V
		5353.68	56.36	-17.64	74	45.71	32.99	10.51	32.85	100	305	P	V
		5350.56	45.7	-8.3	54	35.04	33	10.51	32.85	100	305	A	V

WIFI Ant. 4	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)
	*	5320	109.16	-	-	98.58	32.94	10.49	32.85	115	66	P	H
	*	5320	99.76	-	-	89.18	32.94	10.49	32.85	115	66	A	H
		5351.36	65.98	-8.02	74	55.32	33	10.51	32.85	115	66	P	H
		5350.56	49.66	-4.34	54	39	33	10.51	32.85	115	66	A	H
802.11n													H
HT20													H
CH 64	*	5320	106.57	-	-	95.99	32.94	10.49	32.85	100	308	P	V
5320MHz	*	5320	98.4	-	-	87.82	32.94	10.49	32.85	100	308	A	V
		5353.44	65.98	-8.02	74	55.33	32.99	10.51	32.85	100	308	P	V
		5350.24	48.47	-5.53	54	37.81	33	10.51	32.85	100	308	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	45.63	-22.57	68.2	49.85	38.74	17.28	60.24	-	-	P	H
		15780	46.29	-27.71	74	48.87	37.54	21.1	61.22	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 52		10520	45.19	-23.01	68.2	49.41	38.74	17.28	60.24	-	-	P	V
5260MHz		15780	46.27	-27.73	74	48.85	37.54	21.1	61.22	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	44.91	-29.09	74	48.86	39.1	17.32	60.37	-	-	P	H
		15900	45.91	-28.09	74	47.92	37.7	21.17	60.88	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 60		10600	45.89	-28.11	74	49.84	39.1	17.32	60.37	-	-	P	V
5300MHz		15900	46.71	-27.29	74	48.72	37.7	21.17	60.88	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	45.66	-28.34	74	49.5	39.26	17.34	60.44	-	-	P	H
		15960	45.54	-28.46	74	47.66	37.38	21.21	60.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 64		10640	45.07	-28.93	74	48.91	39.26	17.34	60.44	-	-	P	V
5320MHz		15960	45.37	-28.63	74	47.49	37.38	21.21	60.71	-	-	P	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 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4	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		5146.54	53.86	-20.14	74	43.17	33.2	10.36	32.87	119	68	P	H
		5121.72	43.63	-10.37	54	32.96	33.2	10.34	32.87	119	68	A	H
	*	5270	107.65	-	-	97.09	32.96	10.46	32.86	119	68	P	H
	*	5270	99.08	-	-	88.52	32.96	10.46	32.86	119	68	A	H
		5351.04	61.1	-12.9	74	50.44	33	10.51	32.85	119	68	P	H
		5350.32	49.72	-4.28	54	39.06	33	10.51	32.85	119	68	A	H
		5114.92	52.83	-21.17	74	42.16	33.2	10.34	32.87	100	307	P	V
		5051.34	43.58	-10.42	54	32.98	33.2	10.28	32.88	100	307	A	V
	*	5270	105.67	-	-	95.11	32.96	10.46	32.86	100	307	P	V
	*	5270	97.89	-	-	87.33	32.96	10.46	32.86	100	307	A	V
		5356.56	60.3	-13.7	74	49.65	32.99	10.51	32.85	100	307	P	V
		5350.32	48.33	-5.67	54	37.67	33	10.51	32.85	100	307	A	V
802.11n HT40 CH 62 5310MHz		5076.5	53.04	-20.96	74	42.4	33.2	10.31	32.87	116	67	P	H
		5077.86	43.35	-10.65	54	32.71	33.2	10.31	32.87	116	67	A	H
	*	5310	104.16	-	-	93.62	32.92	10.48	32.86	116	67	P	H
	*	5310	95.02	-	-	84.48	32.92	10.48	32.86	116	67	A	H
		5350.08	67.7	-6.3	74	57.04	33	10.51	32.85	116	67	P	H
		5350.32	50.45	-3.55	54	39.79	33	10.51	32.85	116	67	A	H
		5080.24	52.95	-21.05	74	42.31	33.2	10.31	32.87	106	305	P	V
		5066.3	43.28	-10.72	54	32.65	33.2	10.3	32.87	106	305	A	V
	*	5310	102.48	-	-	91.94	32.92	10.48	32.86	106	305	P	V
	*	5310	93.93	-	-	83.39	32.92	10.48	32.86	106	305	A	V
		5350.08	66.69	-7.31	74	56.03	33	10.51	32.85	106	305	P	V
		5351.76	49.3	-4.7	54	38.64	33	10.51	32.85	106	305	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	45.38	-22.82	68.2	49.59	38.78	17.29	60.28	-	-	P	H
		15810	45.58	-28.42	74	48.1	37.5	21.12	61.14	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 54		10540	45.93	-22.27	68.2	50.14	38.78	17.29	60.28	-	-	P	V
5270MHz		15810	47.28	-26.72	74	49.8	37.5	21.12	61.14	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	45.46	-28.54	74	49.36	39.18	17.33	60.41	-	-	P	H
		15930	44.83	-29.17	74	46.92	37.52	21.19	60.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 62		10620	45.35	-28.65	74	49.25	39.18	17.33	60.41	-	-	P	V
5310MHz		15930	44.68	-29.32	74	46.77	37.52	21.19	60.8	-	-	P	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 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4	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		5070.8	52.57	-21.43	74	41.94	33.2	10.3	32.87	121	67	P	H
		5021.3	44.01	-9.99	54	33.43	33.2	10.26	32.88	121	67	A	H
	*	5290	99.87	-	-	89.34	32.92	10.47	32.86	121	67	P	H
	*	5290	91.01	-	-	80.48	32.92	10.47	32.86	121	67	A	H
		5383.68	59.95	-14.05	74	49.34	32.93	10.53	32.85	121	67	P	H
		5350.32	49.68	-4.32	54	39.02	33	10.51	32.85	121	67	A	H
		5148.2	51.55	-22.45	74	40.85	33.2	10.37	32.87	100	308	P	V
		5050.7	43.93	-10.07	54	33.33	33.2	10.28	32.88	100	308	A	V
	*	5290	97.99	-	-	87.46	32.92	10.47	32.86	100	308	P	V
	*	5290	89.27	-	-	78.74	32.92	10.47	32.86	100	308	A	V
		5382.48	57.09	-16.91	74	46.47	32.94	10.53	32.85	100	308	P	V
		5350.08	48.74	-5.26	54	38.08	33	10.51	32.85	100	308	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	44.97	-23.23	68.2	49.02	38.98	17.31	60.34	-	-	P	H
		15870	44.99	-29.01	74	47.22	37.58	21.16	60.97	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 58		10580	45.57	-22.63	68.2	49.62	38.98	17.31	60.34	-	-	P	V
5290MHz		15870	44.93	-29.07	74	47.16	37.58	21.16	60.97	-	-	P	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 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4	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		5455.6	59.11	-14.89	74	48.36	32.99	10.6	32.84	114	66	P	H
		5460.08	64.84	-3.36	68.2	54.09	32.98	10.61	32.84	114	66	P	H
		5460	46.22	-7.78	54	35.47	32.98	10.61	32.84	114	66	A	H
	*	5500	106.91	-	-	96.2	32.9	10.65	32.84	114	66	P	H
	*	5500	100.1	-	-	89.39	32.9	10.65	32.84	114	66	A	H
													H
		5458	58.38	-15.62	74	47.64	32.98	10.6	32.84	100	307	P	V
		5469.84	64.76	-3.44	68.2	54.02	32.96	10.62	32.84	100	307	P	V
		5459.92	45.3	-8.7	54	34.55	32.98	10.61	32.84	100	307	A	V
	*	5500	106.94	-	-	96.23	32.9	10.65	32.84	100	307	P	V
	*	5500	100.32	-	-	89.61	32.9	10.65	32.84	100	307	A	V
													V
802.11a CH 116 5580MHz		5404.96	51.79	-22.21	74	41.18	32.91	10.55	32.85	100	66	P	H
		5461.6	52.06	-16.14	68.2	41.31	32.98	10.61	32.84	100	66	P	H
		5459.68	42.32	-11.68	54	31.57	32.98	10.61	32.84	100	66	A	H
	*	5580	110.69	-	-	99.86	32.96	10.74	32.87	100	66	P	H
	*	5580	103.51	-	-	92.68	32.96	10.74	32.87	100	66	A	H
		5757.755	51.63	-16.57	68.2	39.99	33.73	10.83	32.92	100	66	P	H
		5362.72	51.53	-22.47	74	40.89	32.97	10.52	32.85	100	343	P	V
		5469.04	51.32	-16.88	68.2	40.58	32.96	10.62	32.84	100	343	P	V
		5454.88	41.99	-12.01	54	31.24	32.99	10.6	32.84	100	343	A	V
	*	5290	110.59	-	-	100.06	32.92	10.47	32.86	100	343	P	V
	*	5290	104.3	-	-	93.77	32.92	10.47	32.86	100	343	A	V
		5741.375	51.76	-16.44	68.2	40.19	33.67	10.82	32.92	100	343	P	V

WIFI Ant. 4	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	*	5704	104.19	-	-	92.77	33.52	10.81	32.91	100	65	P	H
	*	5698	97.53	-	-	86.15	33.48	10.8	32.9	100	65	A	H
		5725	63.02	-5.18	68.2	51.51	33.6	10.82	32.91	100	65	P	H
													H
													H
													H
	*	5700	106.48	-	-	95.07	33.5	10.81	32.9	100	345	P	V
	*	5700	99.61	-	-	88.2	33.5	10.81	32.9	100	345	A	V
		5725.48	62.24	-5.96	68.2	50.73	33.6	10.82	32.91	100	345	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	45.54	-28.46	74	50.15	38.9	17.52	61.03	-	-	P	H
		16500	46	-22.2	68.2	45.44	38.4	21.83	59.67	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 100 5500MHz													H
		11000	46	-28	74	50.61	38.9	17.52	61.03	-	-	P	V
		16500	46.03	-22.17	68.2	45.47	38.4	21.83	59.67	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	47.82	-26.18	74	52.37	38.9	17.65	61.1	-	-	P	H
		16740	46.19	-22.01	68.2	45.1	38.14	22.12	59.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	46.4	-27.6	74	50.95	38.9	17.65	61.1	-	-	P	V
		16740	46.42	-21.78	68.2	45.33	38.14	22.12	59.17	-	-	P	V
													V
													V
													V
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													V
													V
													V
													V
													V
													V

WIFI Ant. 4	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)
	*	5700	104.38	-	-	92.97	33.5	10.81	32.9	100	65	P	H
	*	5700	97.19	-	-	85.78	33.5	10.81	32.9	100	65	A	H
		5727.16	62.12	-6.08	68.2	50.6	33.61	10.82	32.91	100	65	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz													H
	*	5700	106.58	-	-	95.17	33.5	10.81	32.9	100	346	P	V
	*	5700	99.42	-	-	88.01	33.5	10.81	32.9	100	346	A	V
		5732.2	62.7	-5.5	68.2	51.16	33.63	10.82	32.91	100	346	P	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 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458	57.23	-16.77	74	46.49	32.98	10.6	32.84	100	68	P	H
		5469.04	64.12	-4.08	68.2	53.38	32.96	10.62	32.84	100	68	P	H
		5459.28	44.35	-9.65	54	33.6	32.98	10.61	32.84	100	68	A	H
	*	5500	106.15	-	-	95.44	32.9	10.65	32.84	100	68	P	H
802.11n	*	5500	99.25	-	-	88.54	32.9	10.65	32.84	100	68	A	H
HT20													H
CH 100		5457.84	55.94	-18.06	74	45.2	32.98	10.6	32.84	100	341	P	V
5500MHz		5469.68	63.7	-4.5	68.2	52.96	32.96	10.62	32.84	100	341	P	V
		5459.44	43.88	-10.12	54	33.13	32.98	10.61	32.84	100	341	A	V
	*	5500	106.62	-	-	95.91	32.9	10.65	32.84	100	341	P	V
	*	5500	99.39	-	-	88.68	32.9	10.65	32.84	100	341	A	V
													V
		5433.52	51.52	-22.48	74	40.82	32.97	10.58	32.85	100	64	P	H
		5467.6	51.47	-16.73	68.2	40.74	32.96	10.61	32.84	100	64	P	H
		5459.2	42.09	-11.91	54	31.34	32.98	10.61	32.84	100	64	A	H
	*	5580	109.57	-	-	98.74	32.96	10.74	32.87	100	64	P	H
802.11n	*	5580	102.93	-	-	92.1	32.96	10.74	32.87	100	64	A	H
HT20		5735.39	52.02	-16.18	68.2	40.48	33.64	10.82	32.92	100	64	P	H
CH 116		5355.28	51.58	-22.42	74	40.93	32.99	10.51	32.85	100	344	P	V
5580MHz		5465.44	50.92	-17.28	68.2	40.18	32.97	10.61	32.84	100	344	P	V
		5456.32	41.92	-12.08	54	31.17	32.99	10.6	32.84	100	344	A	V
	*	5580	111.08	-	-	100.25	32.96	10.74	32.87	100	344	P	V
	*	5580	104.14	-	-	93.31	32.96	10.74	32.87	100	344	A	V
		5748.935	52.1	-16.1	68.2	40.49	33.7	10.83	32.92	100	344	P	V

WIFI Ant. 4	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)
	*	5700	104.38	-	-	92.97	33.5	10.81	32.9	100	65	P	H
	*	5700	97.19	-	-	85.78	33.5	10.81	32.9	100	65	A	H
		5727.16	62.12	-6.08	68.2	50.6	33.61	10.82	32.91	100	65	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	106.58	-	-	95.17	33.5	10.81	32.9	100	346	P	V
5700MHz	*	5700	99.42	-	-	88.01	33.5	10.81	32.9	100	346	A	V
		5732.2	62.7	-5.5	68.2	51.16	33.63	10.82	32.91	100	346	P	V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.81	-27.19	74	51.42	38.9	17.52	61.03	-	-	P	H
		16500	46.45	-21.75	68.2	45.89	38.4	21.83	59.67	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 100		11000	46.5	-27.5	74	51.11	38.9	17.52	61.03	-	-	P	V
5500MHz		16500	46.63	-21.57	68.2	46.07	38.4	21.83	59.67	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	46.55	-27.45	74	51.1	38.9	17.65	61.1	-	-	P	H
		16740	46.98	-21.22	68.2	45.89	38.14	22.12	59.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 116		11160	46.35	-27.65	74	50.9	38.9	17.65	61.1	-	-	P	V
5580MHz		16740	45.52	-22.68	68.2	44.43	38.14	22.12	59.17	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	46.61	-27.39	74	50.87	39.1	17.85	61.21	-	-	P	H
		17100	46.23	-21.97	68.2	44.05	38	22.49	58.31	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 140		11400	46.59	-27.41	74	50.85	39.1	17.85	61.21	-	-	P	V
5700MHz		17100	45.84	-22.36	68.2	43.66	38	22.49	58.31	-	-	P	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 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4	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)
		5445.28	57.68	-16.32	74	46.94	32.99	10.59	32.84	100	66	P	H
		5468.32	63.05	-5.15	68.2	52.31	32.96	10.62	32.84	100	66	P	H
		5459.92	44.31	-9.69	54	33.56	32.98	10.61	32.84	100	66	A	H
	*	5510	101.79	-	-	91.07	32.9	10.66	32.84	100	66	P	H
802.11n	*	5510	94.93	-	-	84.21	32.9	10.66	32.84	100	66	A	H
HT40		5754.605	52.47	-15.73	68.2	40.84	33.72	10.83	32.92	100	66	P	H
CH 102		5442.64	55.11	-18.89	74	44.37	32.99	10.59	32.84	100	343	P	V
5510MHz		5469.76	62.96	-5.24	68.2	52.22	32.96	10.62	32.84	100	343	P	V
		5456.32	43.53	-10.47	54	32.78	32.99	10.6	32.84	100	343	A	V
	*	5510	102.13	-	-	91.41	32.9	10.66	32.84	100	343	P	V
	*	5510	95.26	-	-	84.54	32.9	10.66	32.84	100	343	A	V
		5740.745	52.36	-15.84	68.2	40.8	33.66	10.82	32.92	100	343	P	V
		5459.2	57.93	-16.07	74	47.18	32.98	10.61	32.84	100	66	P	H
		5468.56	62.2	-6	68.2	51.46	32.96	10.62	32.84	100	66	P	H
		5457.52	47.22	-6.78	54	36.48	32.98	10.6	32.84	100	66	A	H
	*	5550	107.02	-	-	96.28	32.9	10.7	32.86	100	66	P	H
802.11n	*	5550	100.11	-	-	89.37	32.9	10.7	32.86	100	66	A	H
HT40		5737.28	52.04	-16.16	68.2	40.49	33.65	10.82	32.92	100	66	P	H
CH 110		5459.92	56.67	-17.33	74	45.92	32.98	10.61	32.84	100	343	P	V
5550MHz		5468.8	60.49	-7.71	68.2	49.75	32.96	10.62	32.84	100	343	P	V
		5459.68	46.18	-7.82	54	35.43	32.98	10.61	32.84	100	343	A	V
	*	5550	106.87	-	-	96.13	32.9	10.7	32.86	100	343	P	V
	*	5550	100.06	-	-	89.32	32.9	10.7	32.86	100	343	A	V
		5744.21	51.94	-16.26	68.2	40.36	33.68	10.82	32.92	100	343	P	V

WIFI Ant. 4	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		5406.7	49.86	-24.14	74	39.25	32.91	10.55	32.85	300	351	P	H
		5462	50.55	-17.65	68.2	39.8	32.98	10.61	32.84	300	351	P	H
		5459.9	41.65	-12.35	54	30.9	32.98	10.61	32.84	300	351	A	H
	*	5670	102.23	-	-	91.07	33.26	10.79	32.89	300	351	P	H
	*	5670	95.21	-	-	84.05	33.26	10.79	32.89	300	351	A	H
		5725.625	60.12	-8.08	68.2	48.61	33.6	10.82	32.91	300	351	P	H
		5456.75	50.56	-23.44	74	39.81	32.99	10.6	32.84	100	241	P	V
		5465.85	49.42	-18.78	68.2	38.68	32.97	10.61	32.84	100	241	P	V
		5452.9	41.47	-12.53	54	30.72	32.99	10.6	32.84	100	241	A	V
	*	5670	105.93	-	-	94.77	33.26	10.79	32.89	100	241	P	V
	*	5670	98.61	-	-	87.45	33.26	10.79	32.89	100	241	A	V
		5725	64.37	-3.83	68.2	52.86	33.6	10.82	32.91	100	241	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	46.33	-27.67	74	51.01	38.82	17.54	61.04	-	-	P	H
		16530	45.51	-22.69	68.2	45.04	38.22	21.86	59.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 102		11020	46.57	-27.43	74	51.25	38.82	17.54	61.04	-	-	P	V
5510MHz		16530	45.65	-22.55	68.2	45.18	38.22	21.86	59.61	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	45.02	-28.98	74	49.8	38.7	17.6	61.08	-	-	P	H
		16650	46.15	-22.05	68.2	45.2	38.3	22.01	59.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 110		11100	45.38	-28.62	74	50.16	38.7	17.6	61.08	-	-	P	V
5550MHz		16650	46.28	-21.92	68.2	45.33	38.3	22.01	59.36	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	46.26	-27.74	74	50.55	39.1	17.8	61.19	-	-	P	H
		17010	45.35	-22.85	68.2	43.55	37.96	22.44	58.6	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 134		11340	45.86	-28.14	74	50.15	39.1	17.8	61.19	-	-	P	V
5670MHz		17010	45.83	-22.37	68.2	44.03	37.96	22.44	58.6	-	-	P	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 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4	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)
		5446.96	61.35	-12.65	74	50.61	32.99	10.59	32.84	100	60	P	H
		5462.8	63	-5.2	68.2	52.26	32.97	10.61	32.84	100	60	P	H
		5459.68	49.51	-4.49	54	38.76	32.98	10.61	32.84	100	60	A	H
	*	5530	97.77	-	-	87.04	32.9	10.68	32.85	100	60	P	H
802.11ac	*	5530	90.34	-	-	79.61	32.9	10.68	32.85	100	60	A	H
VHT80		5740.43	50.94	-17.26	68.2	39.38	33.66	10.82	32.92	100	60	P	H
CH 106		5459.92	60.85	-13.15	74	50.1	32.98	10.61	32.84	100	268	P	V
5530MHz		5466.88	62.37	-5.83	68.2	51.63	32.97	10.61	32.84	100	268	P	V
		5455.84	50.02	-3.98	54	39.27	32.99	10.6	32.84	100	268	A	V
	*	5536	99.16	-	-	88.42	32.9	10.69	32.85	100	268	P	V
	*	5536	91.5	-	-	80.76	32.9	10.69	32.85	100	268	A	V
		5734.76	51.37	-16.83	68.2	39.83	33.64	10.82	32.92	100	268	P	V
		5452.9	56.71	-17.29	74	45.96	32.99	10.6	32.84	100	77	P	H
		5464.8	56.41	-11.79	68.2	45.67	32.97	10.61	32.84	100	77	P	H
		5458.85	47.12	-6.88	54	36.38	32.98	10.6	32.84	100	77	A	H
	*	5610	101.13	-	-	90.23	33.02	10.76	32.88	100	77	P	H
802.11ac	*	5610	93.9	-	-	83	33.02	10.76	32.88	100	77	A	H
VHT80		5730.525	61.64	-6.56	68.2	50.11	33.62	10.82	32.91	100	77	P	H
CH 122		5438.55	56.06	-17.94	74	45.34	32.98	10.58	32.84	100	5	P	V
5610MHz		5467.6	57.54	-10.66	68.2	46.81	32.96	10.61	32.84	100	5	P	V
		5458.5	47.67	-6.33	54	36.93	32.98	10.6	32.84	100	5	A	V
	*	5610	104.15	-	-	93.25	33.02	10.76	32.88	100	5	P	V
	*	5610	97.28	-	-	86.38	33.02	10.76	32.88	100	5	A	V
		5731.4	63.26	-4.94	68.2	51.72	33.63	10.82	32.91	100	5	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	45.15	-28.85	74	49.94	38.7	17.57	61.06	-	-	P	H
		16590	46.25	-21.95	68.2	45.69	38.1	21.94	59.48	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 106		11060	45.18	-28.82	74	49.97	38.7	17.57	61.06	-	-	P	V
5530MHz		16590	45.23	-22.97	68.2	44.67	38.1	21.94	59.48	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	45.76	-28.24	74	50.21	38.98	17.7	61.13	-	-	P	H
		16830	46.52	-21.68	68.2	45.11	38.16	22.23	58.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 122		11220	46.6	-27.4	74	51.05	38.98	17.7	61.13	-	-	P	V
5610MHz		16830	46.23	-21.97	68.2	44.82	38.16	22.23	58.98	-	-	P	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 802.11a (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.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5359.36	49.61	-24.39	74	38.97	32.98	10.51	32.85	100	78	P	H
		5461.54	50.5	-17.7	68.2	39.75	32.98	10.61	32.84	100	78	P	H
		5459.98	40.86	-13.14	54	30.11	32.98	10.61	32.84	100	78	A	H
	*	5720	106.74	-	-	95.26	33.58	10.81	32.91	100	78	P	H
	*	5720	98.91	-	-	87.43	33.58	10.81	32.91	100	78	A	H
		5928.25	51.45	-16.75	68.2	39.28	34.26	10.89	32.98	100	78	P	H
		5438.92	49.85	-24.15	74	39.13	32.98	10.58	32.84	100	271	P	V
		5467.78	49.93	-18.27	68.2	39.2	32.96	10.61	32.84	100	271	P	V
		5456.86	41	-13	54	30.25	32.99	10.6	32.84	100	271	A	V
	*	5720	109.77	-	-	98.29	33.58	10.81	32.91	100	271	P	V
	*	5720	102.19	-	-	90.71	33.58	10.81	32.91	100	271	A	V
		5877.75	52.7	-15.5	68.2	40.67	34.11	10.88	32.96	100	271	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. 4	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	45.66	-28.34	74	49.99	39.02	17.88	61.23	-	-	P	H
		17160	45.64	-22.56	68.2	43.09	38.14	22.53	58.12	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	46.36	-27.64	74	50.69	39.02	17.88	61.23	-	-	P	V
		17160	46.22	-21.98	68.2	43.67	38.14	22.53	58.12	-	-	P	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4	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		5424.1	49.86	-24.14	74	39.19	32.95	10.57	32.85	100	47	P	H
		5464.27	49.56	-18.64	68.2	38.82	32.97	10.61	32.84	100	47	P	H
		5456.08	41.28	-12.72	54	30.53	32.99	10.6	32.84	100	47	A	H
	*	5720	105.97	-	-	94.49	33.58	10.81	32.91	100	47	P	H
	*	5720	98.83	-	-	87.35	33.58	10.81	32.91	100	47	A	H
		5899	52.17	-16.03	68.2	40.06	34.2	10.88	32.97	100	47	P	H
		5451.01	51.02	-22.98	74	40.26	33	10.6	32.84	100	264	P	V
		5461.93	49.86	-18.34	68.2	39.11	32.98	10.61	32.84	100	264	P	V
		5458.42	41.31	-12.69	54	30.57	32.98	10.6	32.84	100	264	A	V
	*	5720	107.45	-	-	95.97	33.58	10.81	32.91	100	264	P	V
	*	5720	100.8	-	-	89.32	33.58	10.81	32.91	100	264	A	V
		5886.25	52.78	-15.42	68.2	40.71	34.15	10.88	32.96	100	264	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	46.45	-27.55	74	50.78	39.02	17.88	61.23	-	-	P	H
		17160	46.2	-22	68.2	43.65	38.14	22.53	58.12	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 144		11440	46.81	-27.19	74	51.14	39.02	17.88	61.23	-	-	P	V
5720MHz		17160	45.73	-22.47	68.2	43.18	38.14	22.53	58.12	-	-	P	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4	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		5451.01	50.32	-23.68	74	39.56	33	10.6	32.84	100	78	P	H
		5461.54	49.73	-18.47	68.2	38.98	32.98	10.61	32.84	100	78	P	H
		5454.91	41.48	-12.52	54	30.73	32.99	10.6	32.84	100	78	A	H
	*	5710	102.8	-	-	91.36	33.54	10.81	32.91	100	78	P	H
	*	5710	96.23	-	-	84.79	33.54	10.81	32.91	100	78	A	H
		5869	52.27	-15.93	68.2	40.28	34.08	10.87	32.96	100	78	P	H
		5455.3	50.37	-23.63	74	39.62	32.99	10.6	32.84	100	287	P	V
		5468.95	49.98	-18.22	68.2	39.24	32.96	10.62	32.84	100	287	P	V
		5445.55	41.43	-12.57	54	30.69	32.99	10.59	32.84	100	287	A	V
	*	5710	106.84	-	-	95.4	33.54	10.81	32.91	100	287	P	V
	*	5710	99.17	-	-	87.73	33.54	10.81	32.91	100	287	A	V
		5934.75	52.89	-15.31	68.2	40.7	34.27	10.9	32.98	100	287	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	46.31	-27.69	74	50.6	39.06	17.87	61.22	-	-	P	H
		17130	45.57	-22.63	68.2	43.23	38.06	22.5	58.22	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 142		11420	46.41	-27.59	74	50.7	39.06	17.87	61.22	-	-	P	V
5710MHz		17130	45.72	-22.48	68.2	43.38	38.06	22.5	58.22	-	-	P	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. 4	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		5397.97	49.66	-24.34	74	39.07	32.9	10.54	32.85	100	80	P	H
		5467	48.21	-19.99	68.2	37.47	32.97	10.61	32.84	100	80	P	H
		5447.89	42.09	-11.91	54	31.34	33	10.59	32.84	100	80	A	H
	*	5690	99.34	-	-	88.02	33.42	10.8	32.9	100	80	P	H
	*	5690	92.28	-	-	80.96	33.42	10.8	32.9	100	80	A	H
		5850.1	52.71	-15.49	68.2	40.79	34	10.87	32.95	100	80	P	H
		5438.14	49.81	-24.19	74	39.09	32.98	10.58	32.84	100	240	P	V
		5461.54	50.27	-17.93	68.2	39.52	32.98	10.61	32.84	100	240	P	V
		5439.31	42.27	-11.73	54	31.55	32.98	10.58	32.84	100	240	A	V
	*	5690	103.03	-	-	91.71	33.42	10.8	32.9	100	240	P	V
	*	5690	96.27	-	-	84.95	33.42	10.8	32.9	100	240	A	V
		5856.1	57.95	-10.25	68.2	46.01	34.02	10.87	32.95	100	240	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. 4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	46.36	-27.64	74	50.63	39.1	17.83	61.2	-	-	P	H
		17070	45.94	-22.26	68.2	43.76	38.12	22.47	58.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 138		11380	46.88	-27.12	74	51.15	39.1	17.83	61.2	-	-	P	V
5690MHz		17070	45.5	-22.7	68.2	43.32	38.12	22.47	58.41	-	-	P	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.

Emission above 18GHz

WIFI 802.11a (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		39202	51.72	-22.28	74	38.47	45	24.93	56.68	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a													H
SHF		39356	52.26	-21.74	74	38.78	45.2	24.87	56.59	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		80.22	24.86	-15.14	40	42.86	13.2	1.12	32.32	-	-	P	H
		114.24	34.69	-8.81	43.5	48.48	17.01	1.33	32.13	-	-	P	H
		229.53	31.18	-14.82	46	45.46	15.93	2.03	32.24	-	-	P	H
		561.8	29.17	-16.83	46	32.23	26.13	3.37	32.56	-	-	P	H
		773.9	30.88	-15.12	46	30.31	28.09	4.01	31.53	-	-	P	H
		947.5	34.72	-11.28	46	30.79	30.42	4.53	31.02	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		79.95	30.87	-9.13	40	48.89	13.18	1.12	32.32	-	-	P	V
		113.97	32.01	-11.49	43.5	45.82	16.99	1.33	32.13	-	-	P	V
		227.91	25.92	-20.08	46	40.42	15.73	2.02	32.25	-	-	P	V
		561.8	32.55	-13.45	46	35.61	26.13	3.37	32.56	-	-	P	V
		843.2	34.16	-11.84	46	32.92	28.74	4.12	31.62	-	-	P	V
		972	34.74	-19.26	54	29.76	31.12	4.59	30.73	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

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

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

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin (dB)

= Leve(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

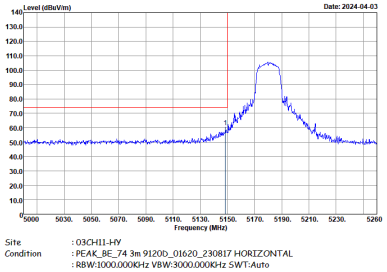
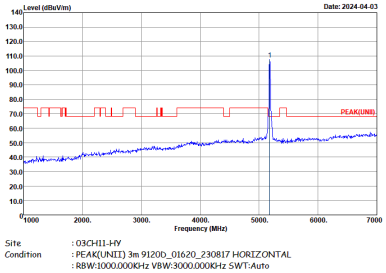
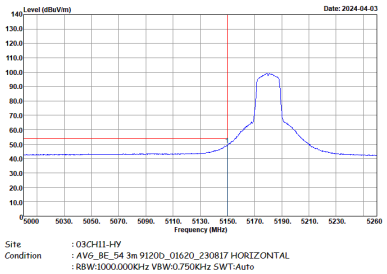
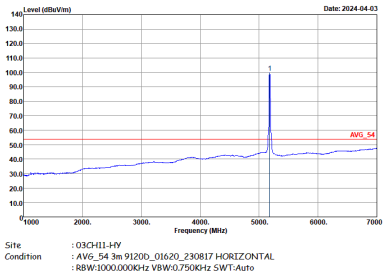
Test Engineer :	Sam Chou and Troye Hsieh	**Temperature :**	20.0~20.8°C
		Relative Humidity :	53.2~64.8%

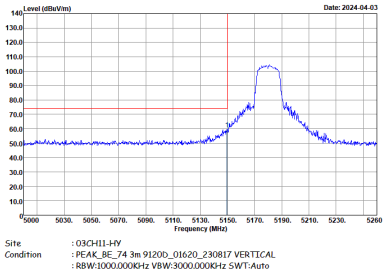
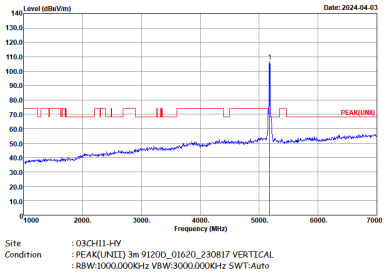
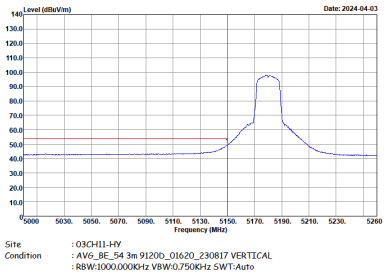
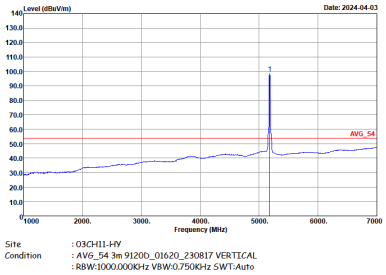
Note symbol

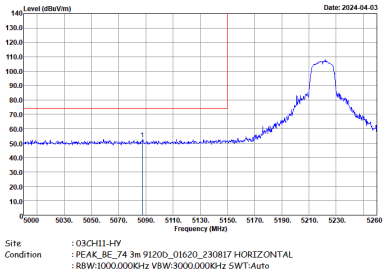
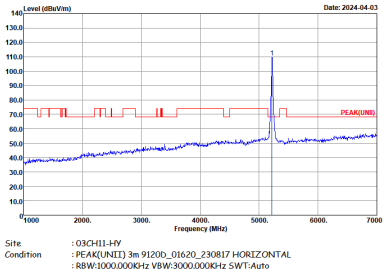
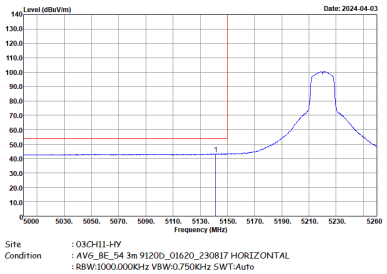
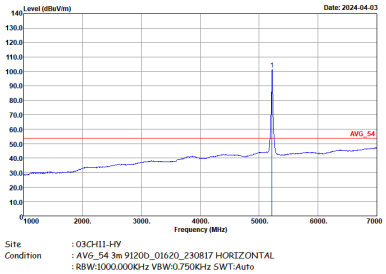
-L	**Low channel location**
-R	**High channel location**

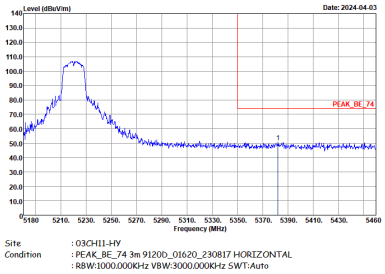
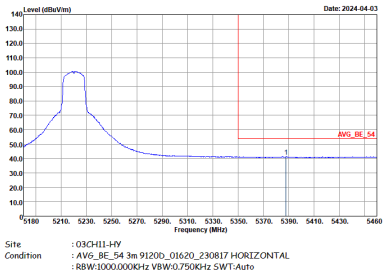
Band 1 - 5150~5250MHz

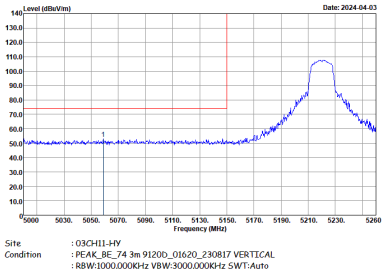
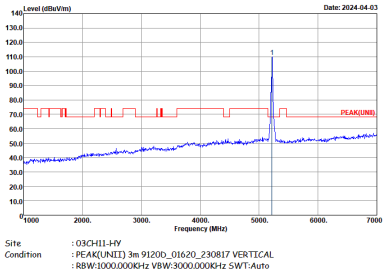
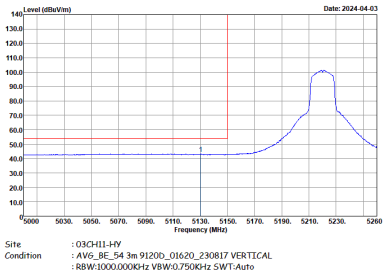
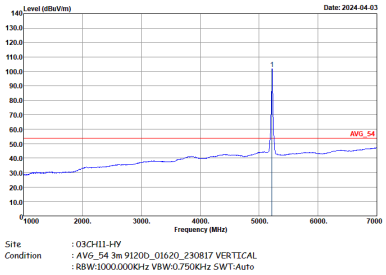
WIFI 802.11a (Band Edge @ 3m)

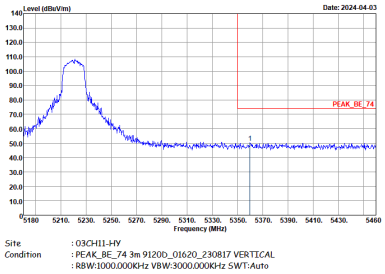
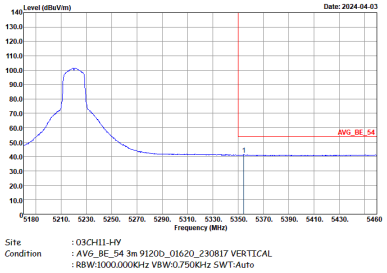
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4	Horizontal	Fundamental
Peak		
Avg.		

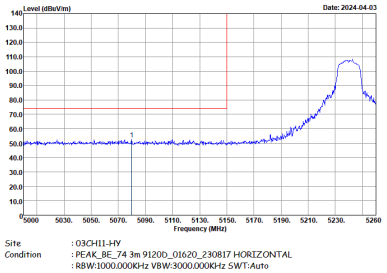
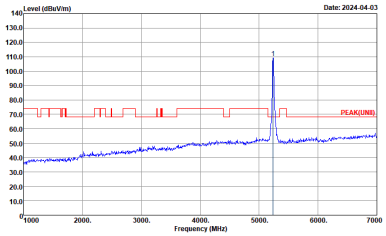
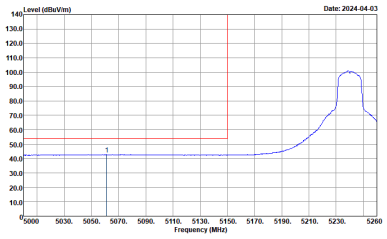
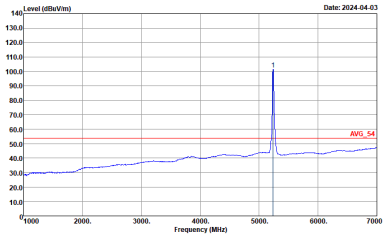
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4	Vertical	Fundamental
Peak		
Avg.		

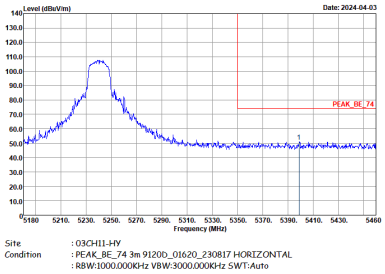
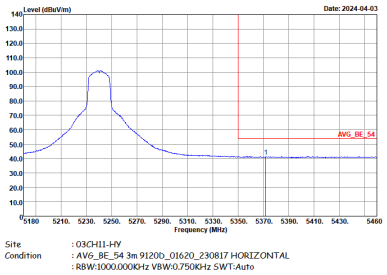
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		

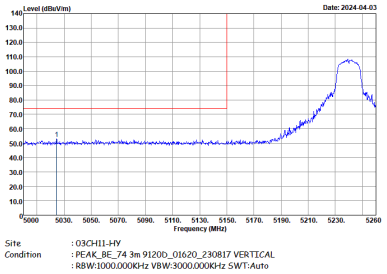
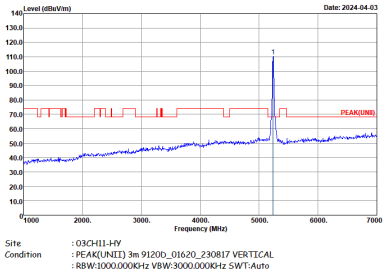
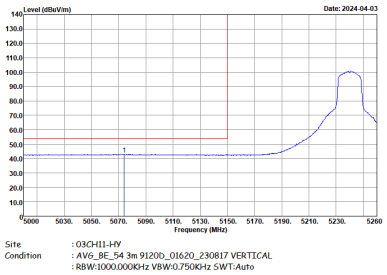
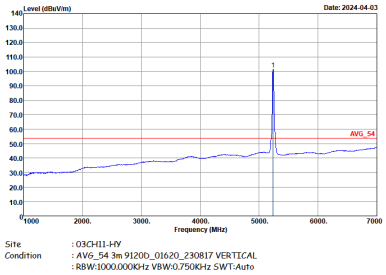
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

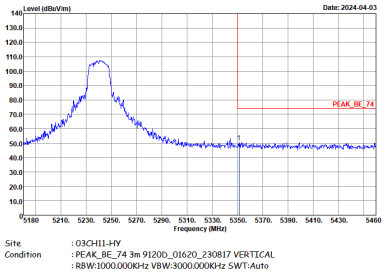
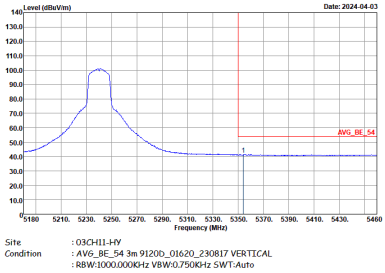
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

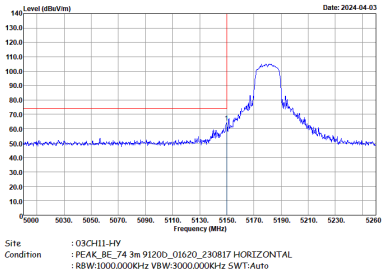
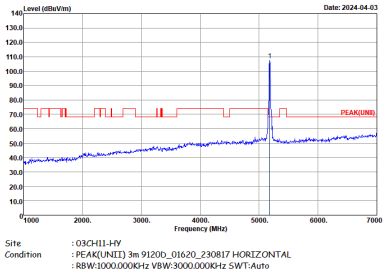
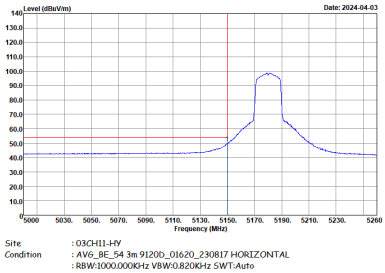
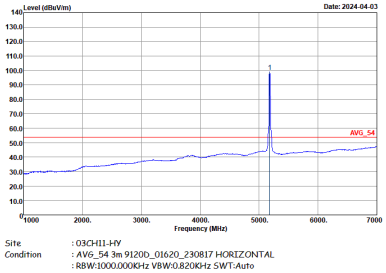
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

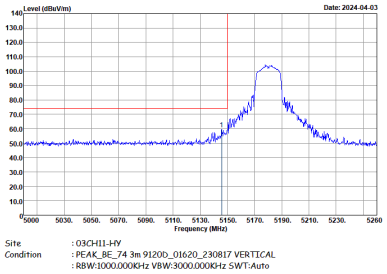
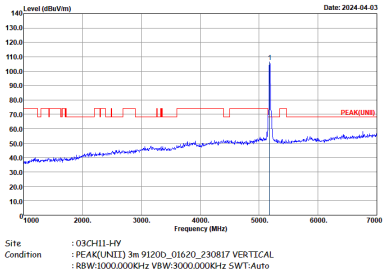
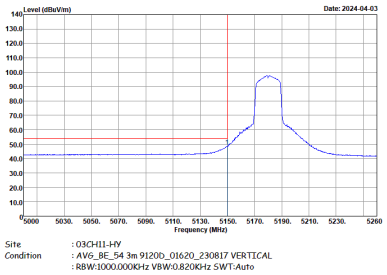
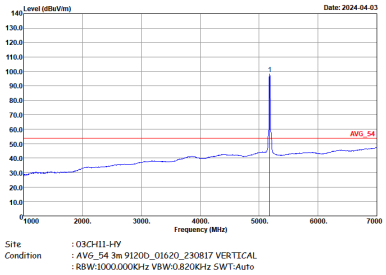
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		

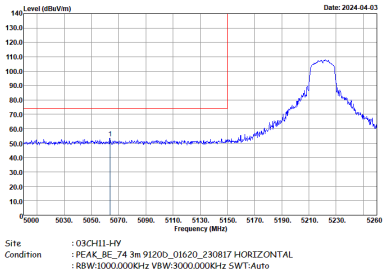
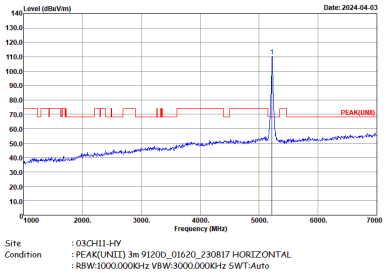
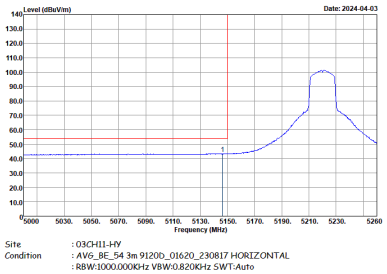
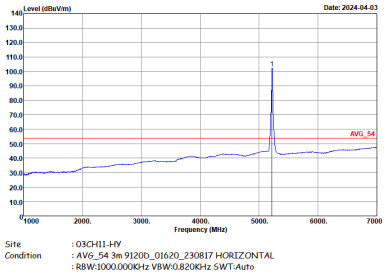
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

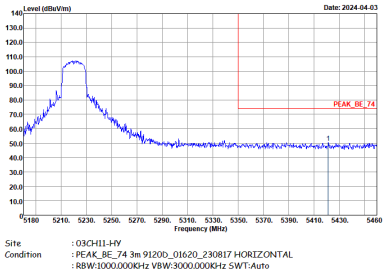
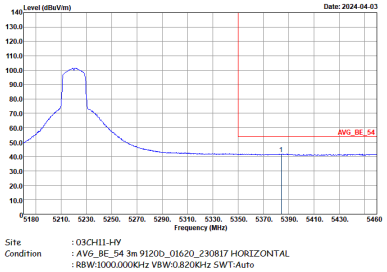
Band 1 5150~5250MHz

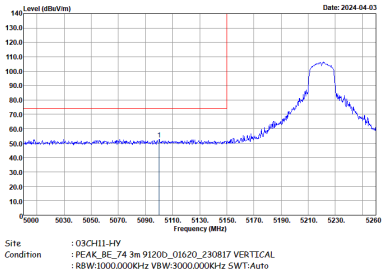
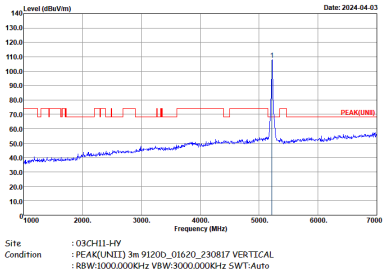
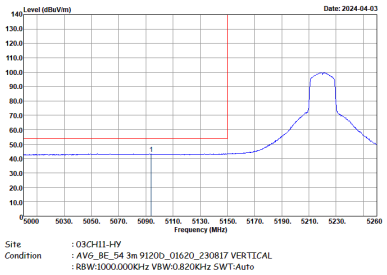
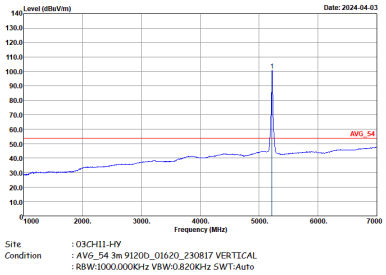
WIFI 802.11n HT20 (Band Edge @ 3m)

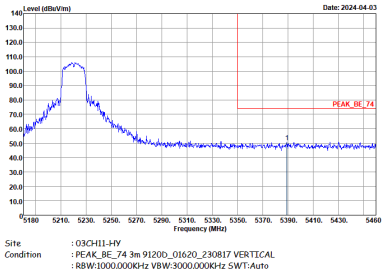
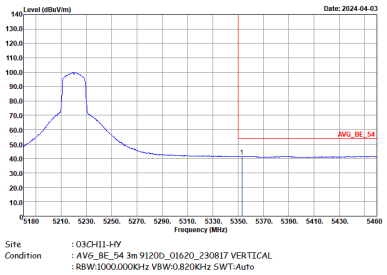
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4	Horizontal	Fundamental
Peak		
Avg.		

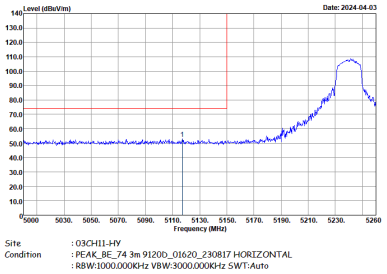
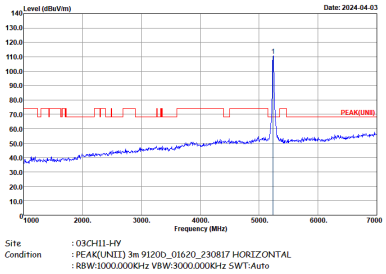
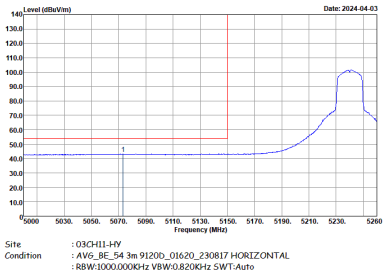
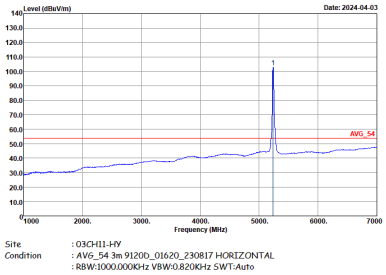
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4	Vertical	Fundamental
Peak		
Avg.		

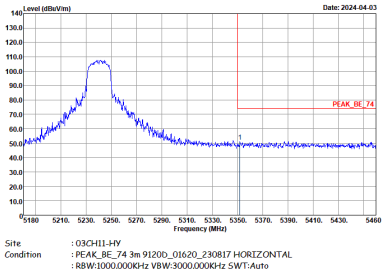
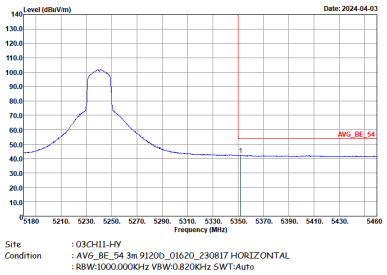
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HV Condition : PEAK(UNII) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH11-HV Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

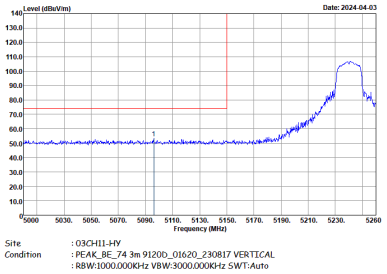
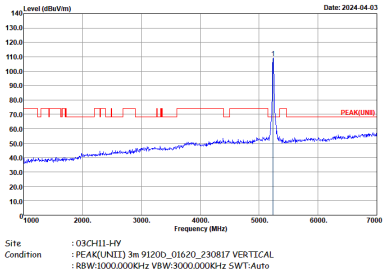
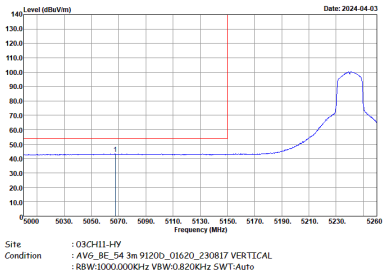
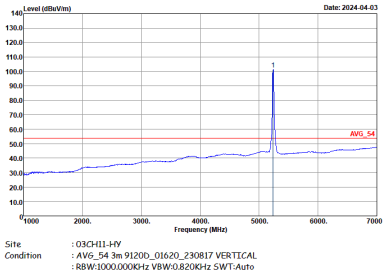
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

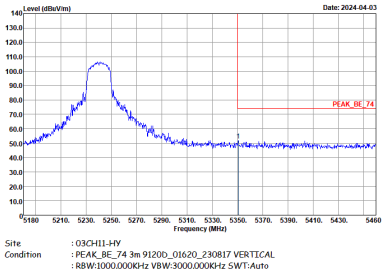
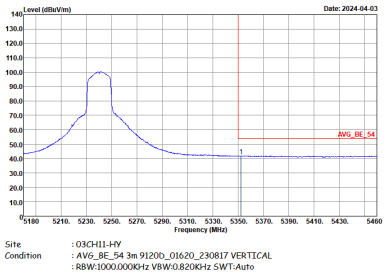
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

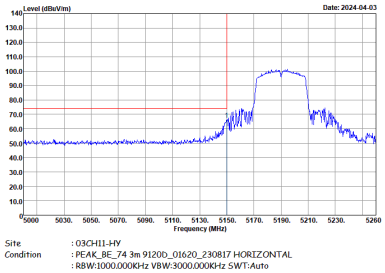
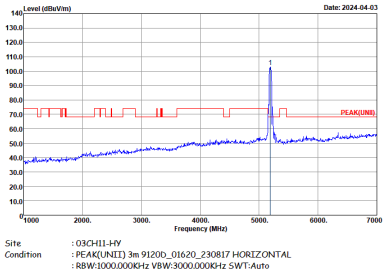
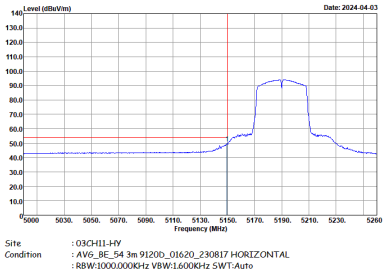
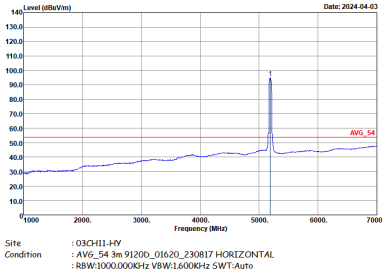
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

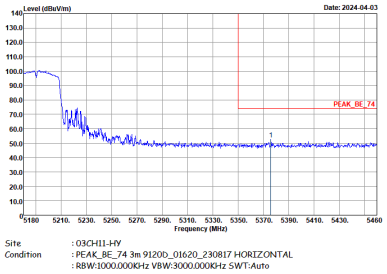
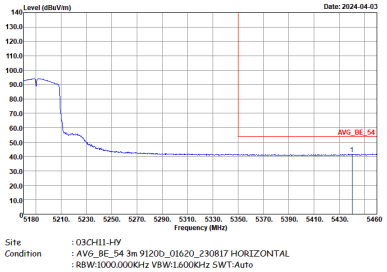
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		

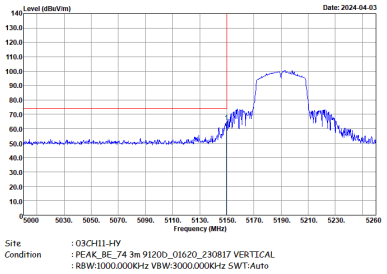
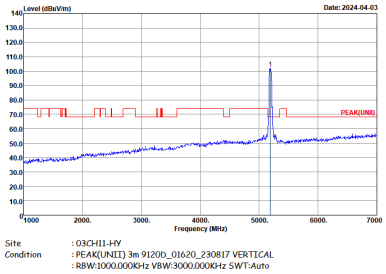
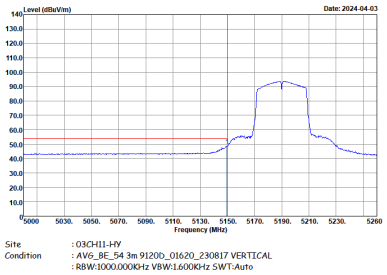
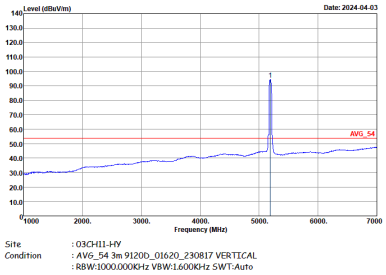
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

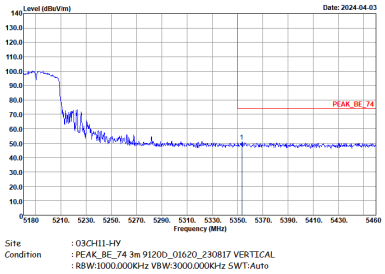
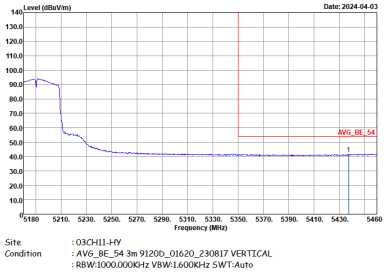
Band 1 5150~5250MHz

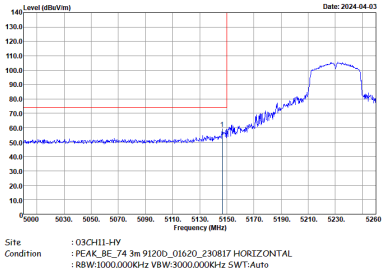
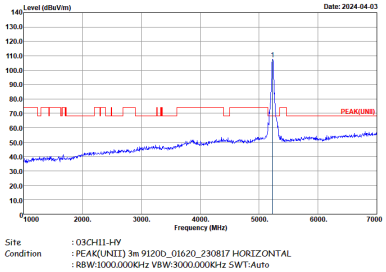
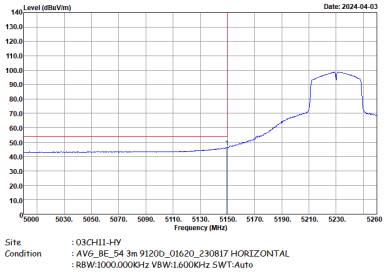
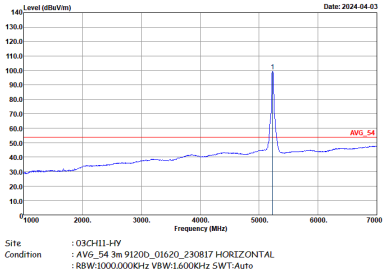
WIFI 802.11n HT40 (Band Edge @ 3m)

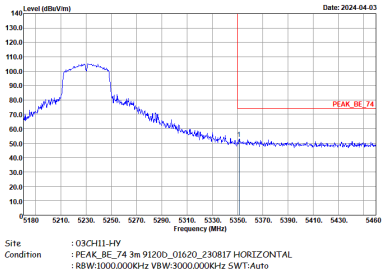
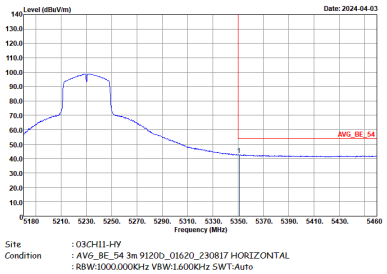
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		

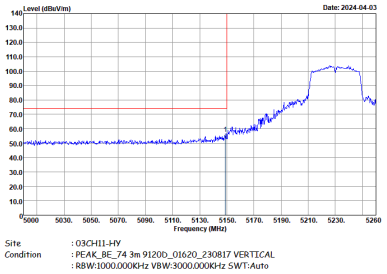
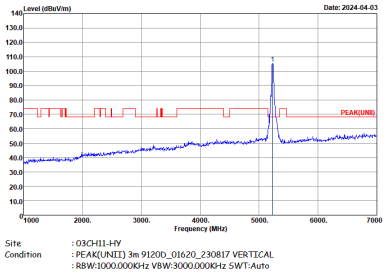
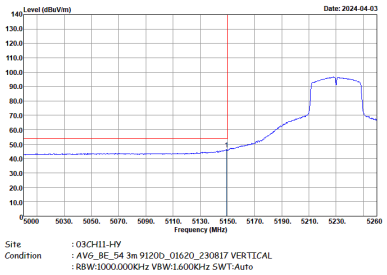
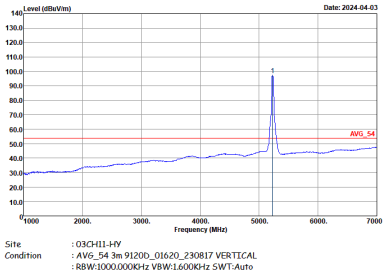
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

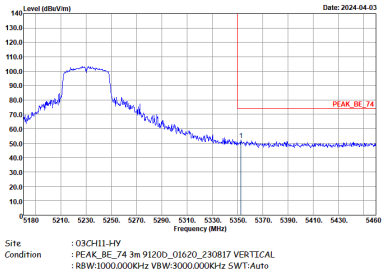
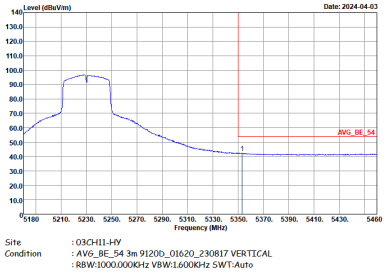
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:1600KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:1600KHz SWT:Auto

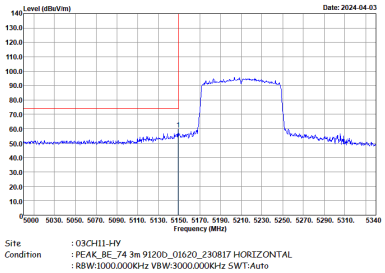
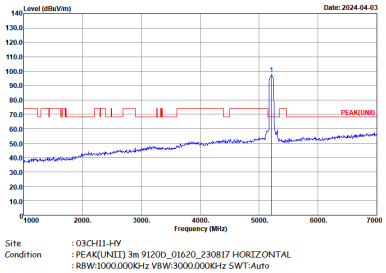
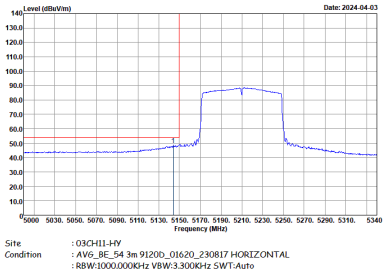
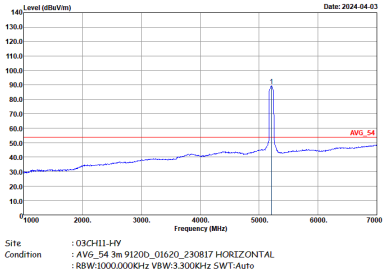
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

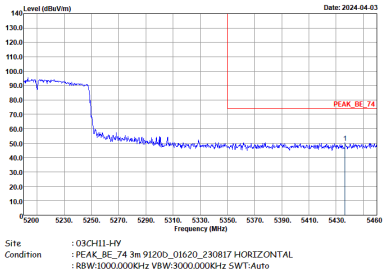
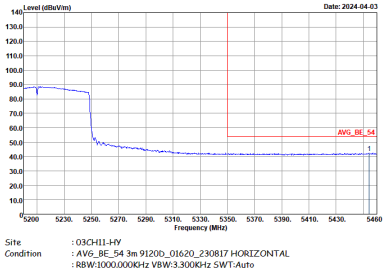
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		

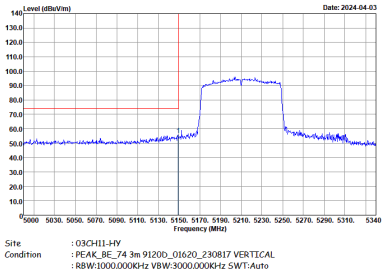
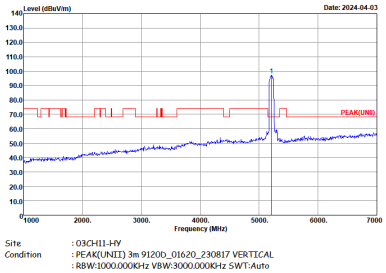
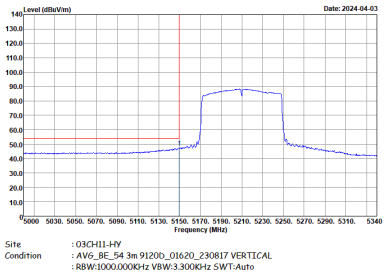
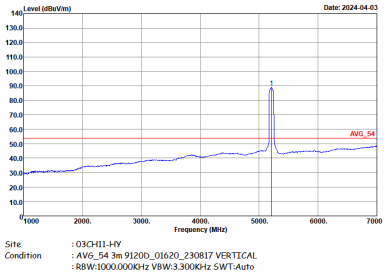
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

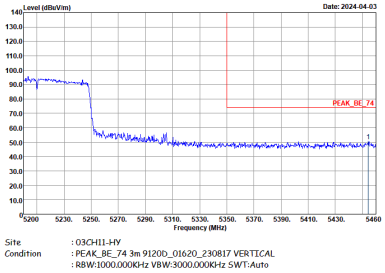
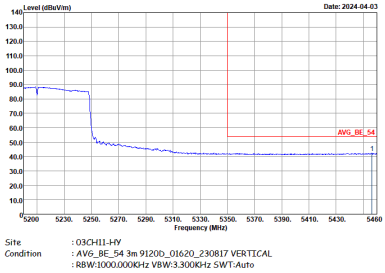
Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

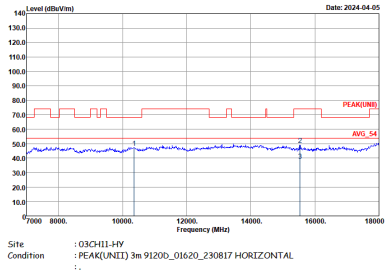
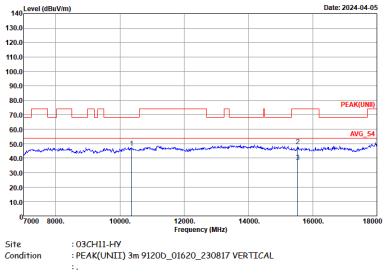
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

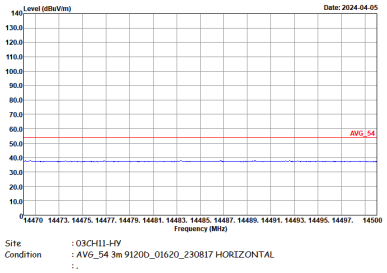
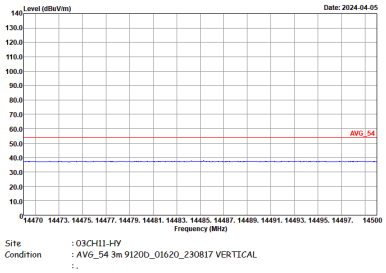
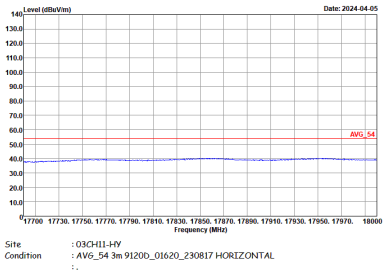
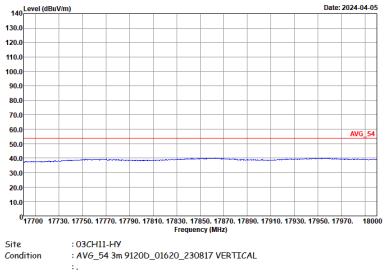
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		

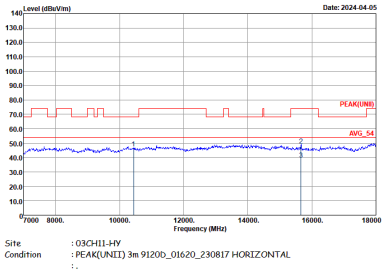
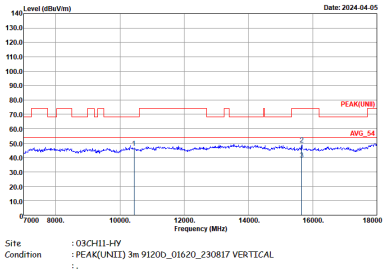
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

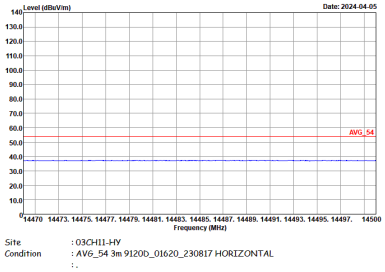
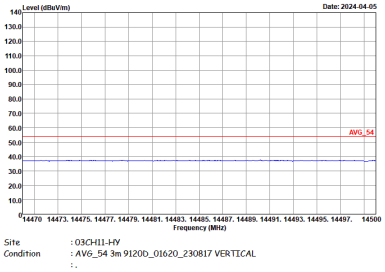
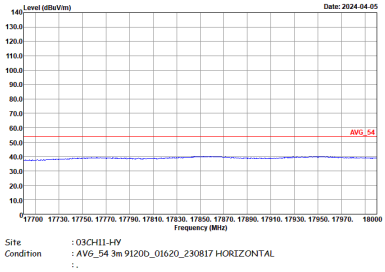
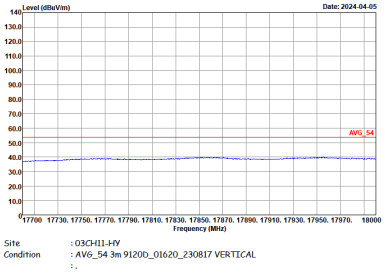
Band 1 - 5150~5250MHz

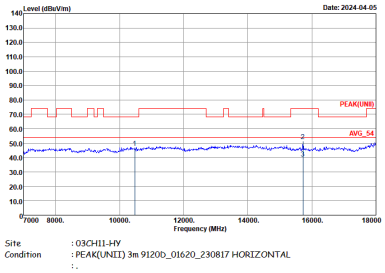
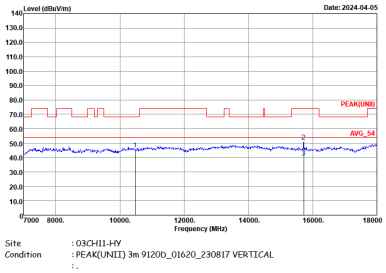
WIFI 802.11a (Harmonic @ 3m)

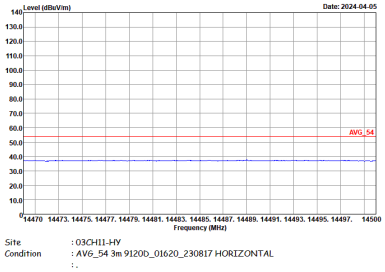
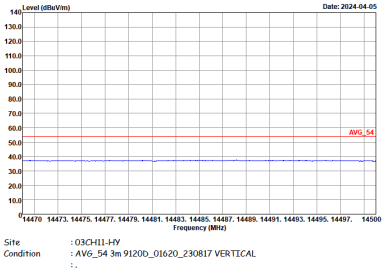
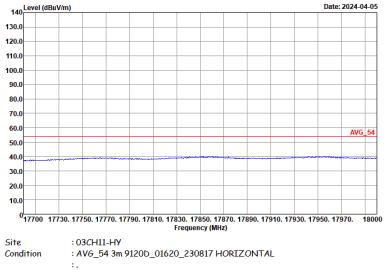
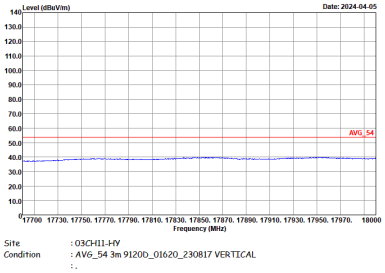
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

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

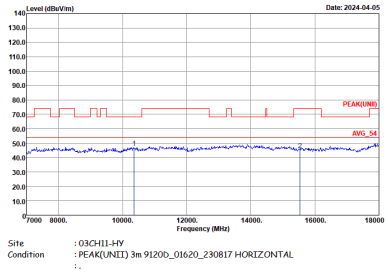
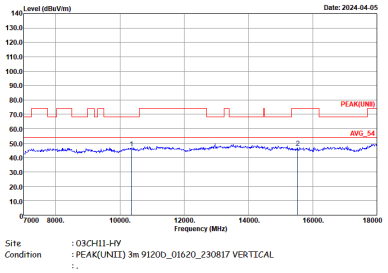
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

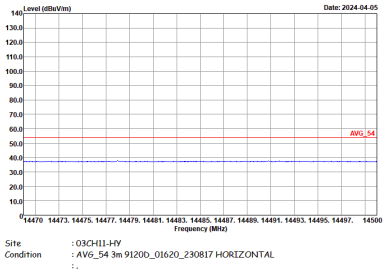
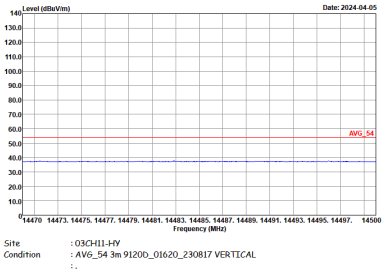
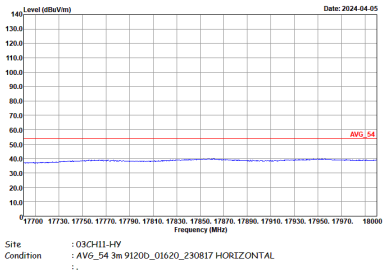
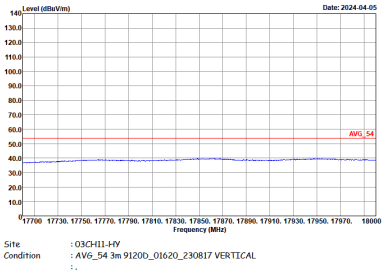
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4	Horizontal	Vertical
Peak Avg.		

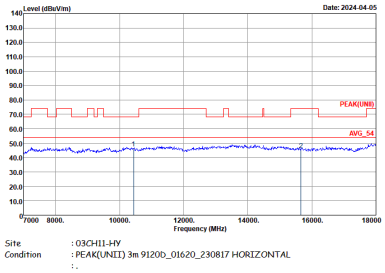
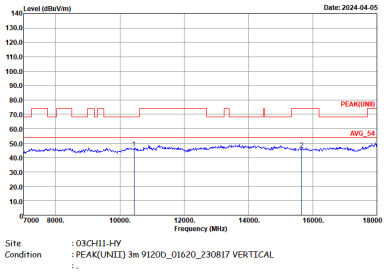
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

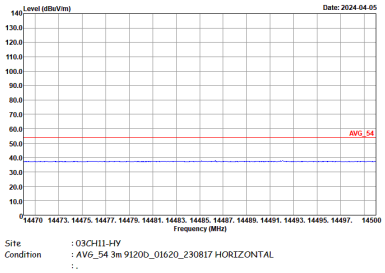
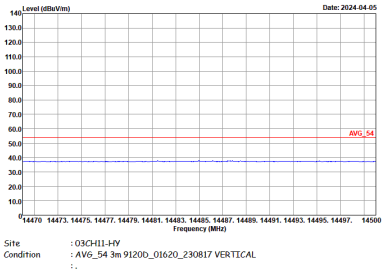
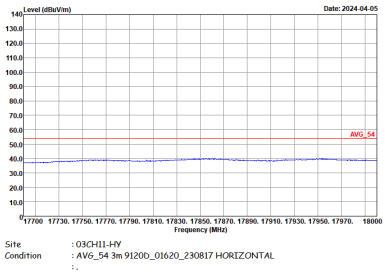
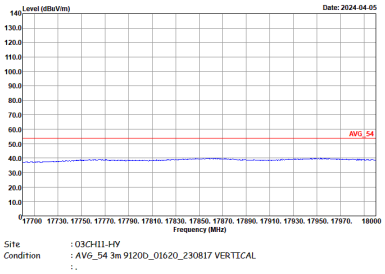
Band 1 5150~5250MHz

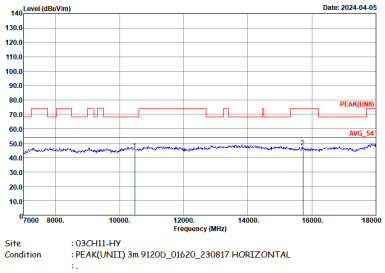
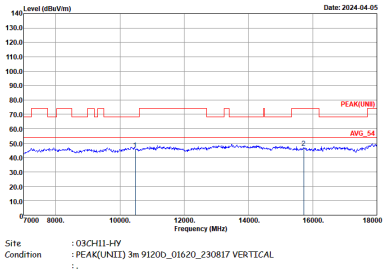
WIFI 802.11n HT20 (Harmonic @ 3m)

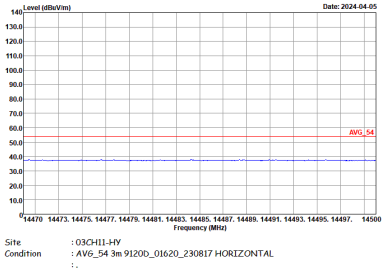
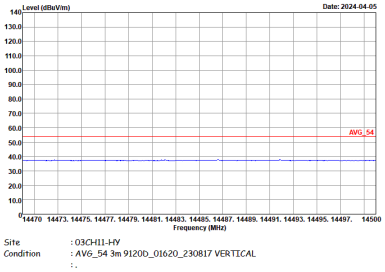
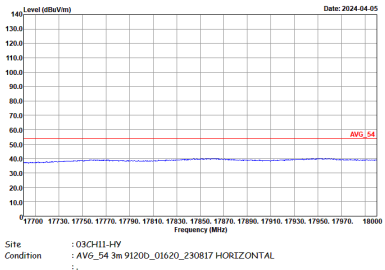
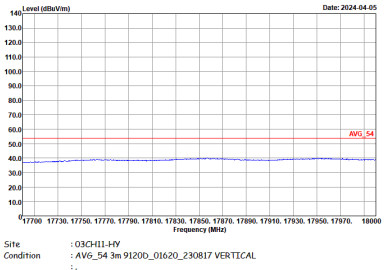
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

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

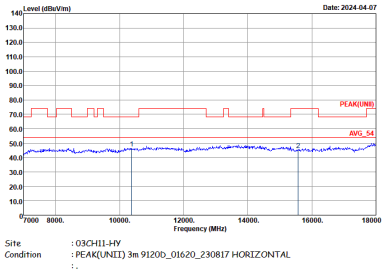
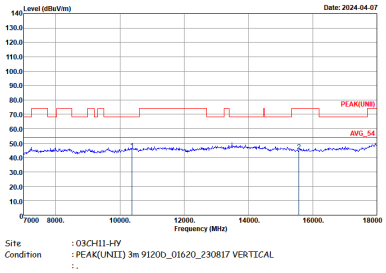
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

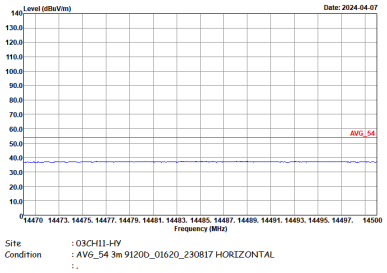
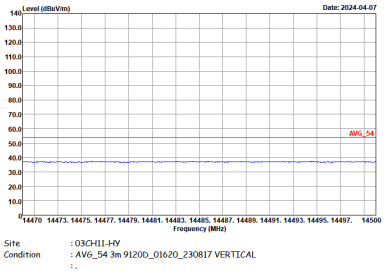
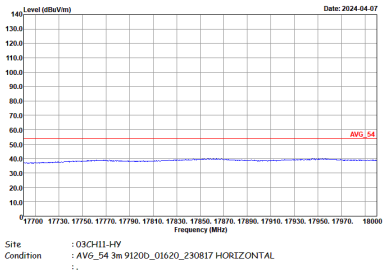
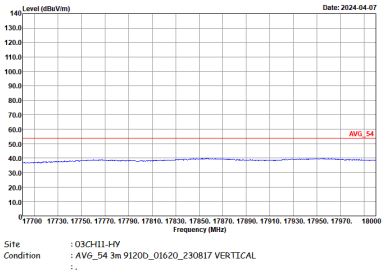
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
4	Horizontal	Vertical
Peak Avg.		

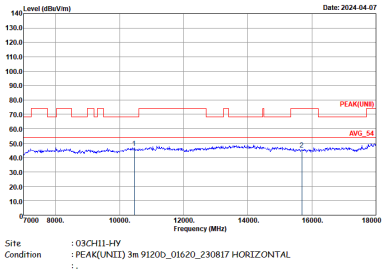
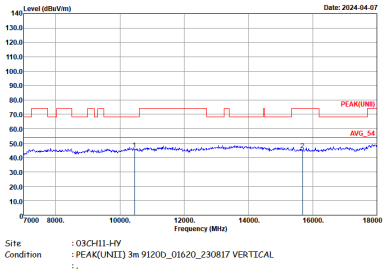
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

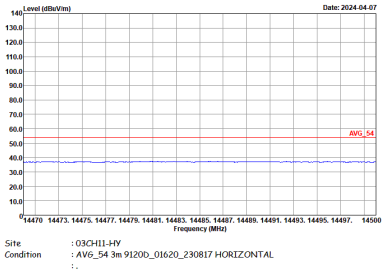
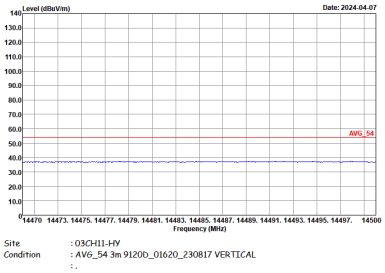
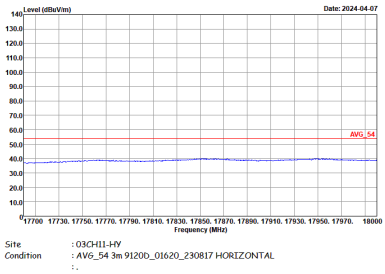
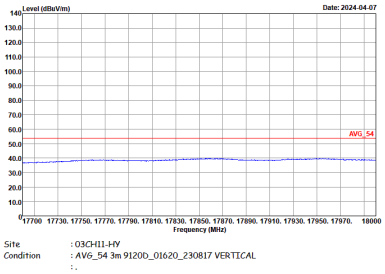
Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

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

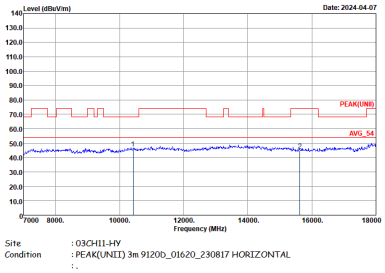
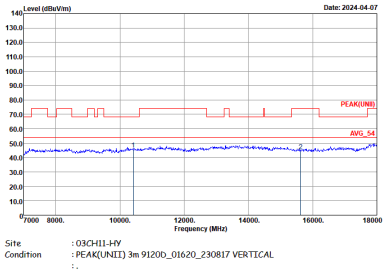
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 VERTICAL
17.7G ~18G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 VERTICAL

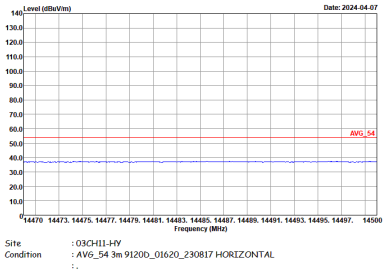
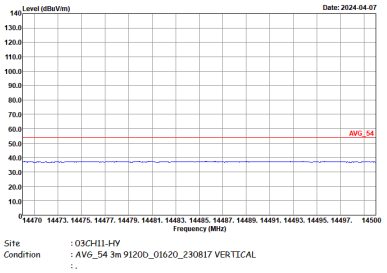
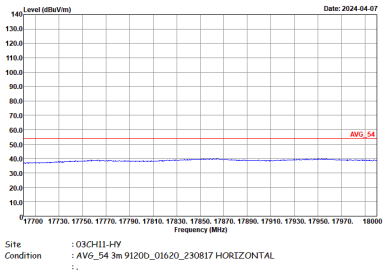
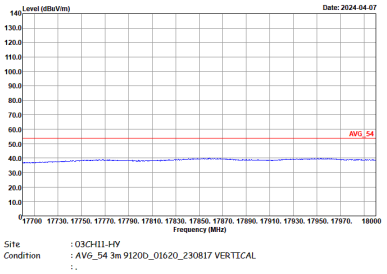
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

Band 1 5150~5250MHz

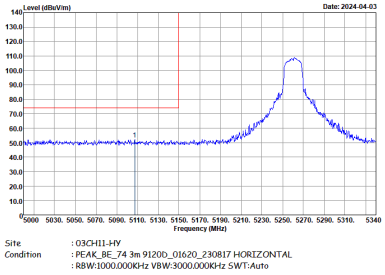
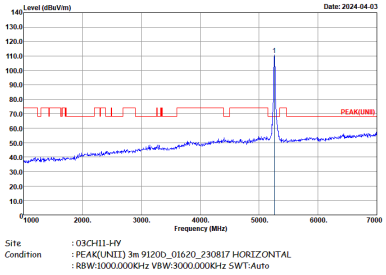
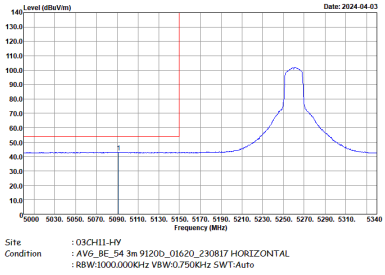
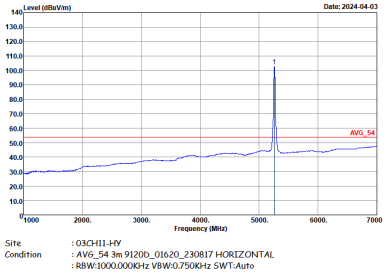
WIFI 802.11ac VHT80 (Harmonic @ 3m)

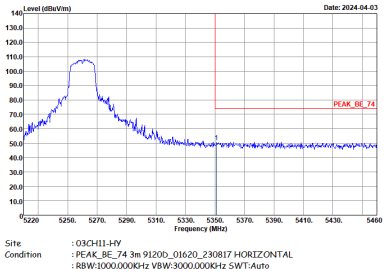
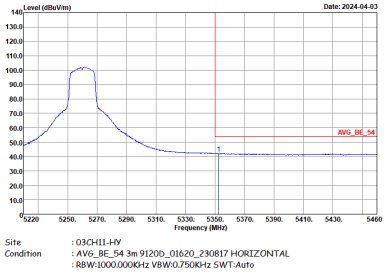
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
4	Horizontal	Vertical
Peak Avg.		

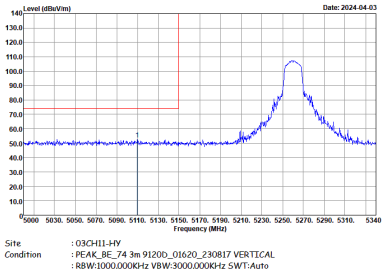
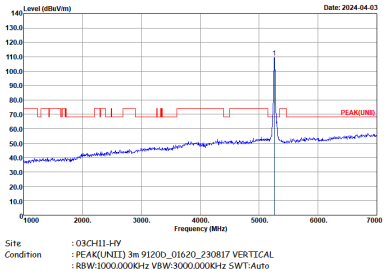
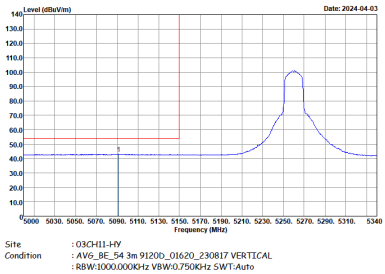
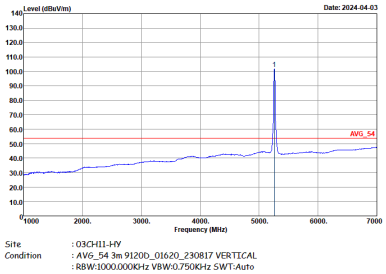
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

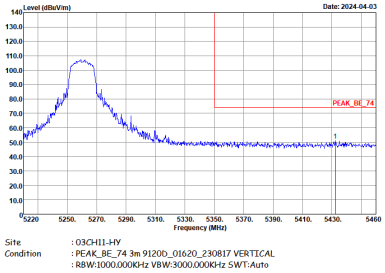
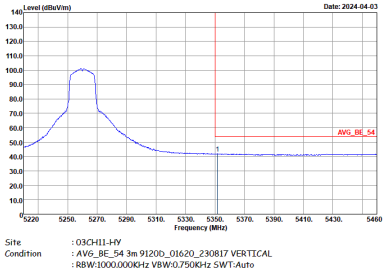
Band 2 - 5250~5350MHz

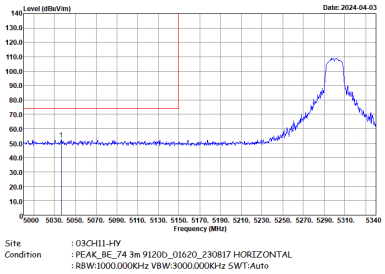
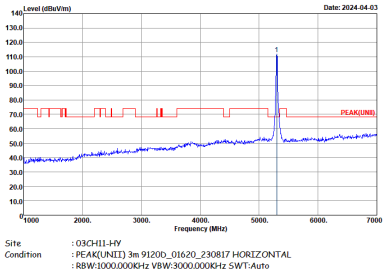
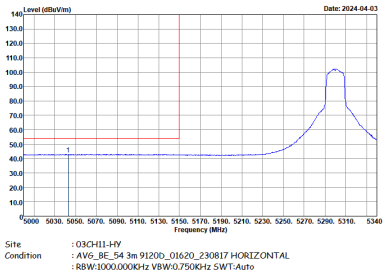
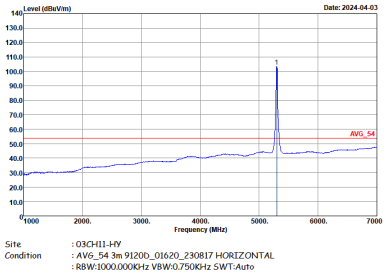
WIFI 802.11a (Band Edge @ 3m)

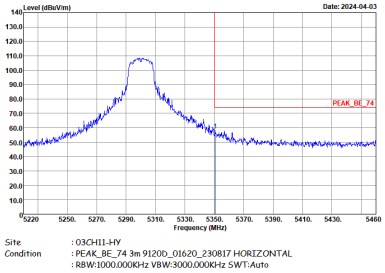
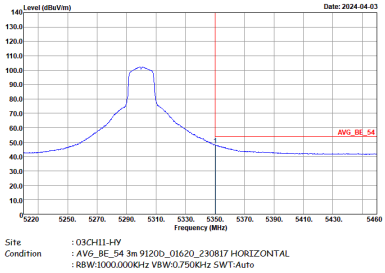
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		

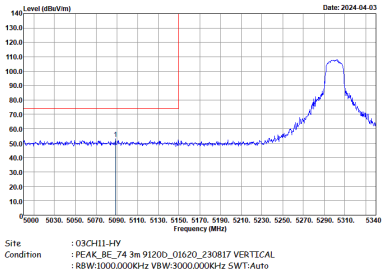
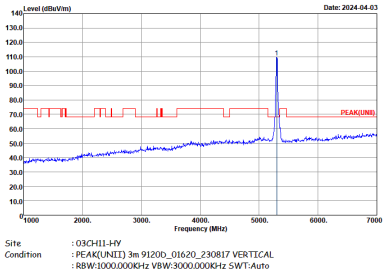
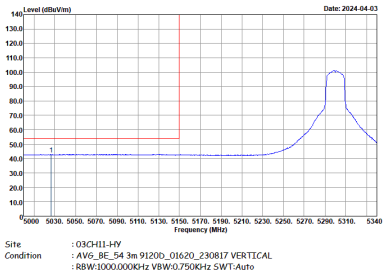
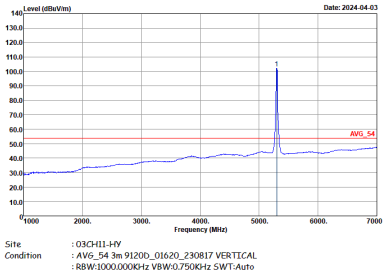
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

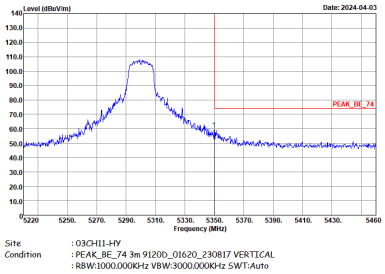
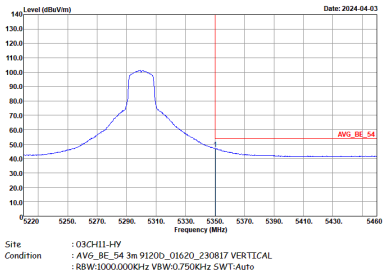
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		

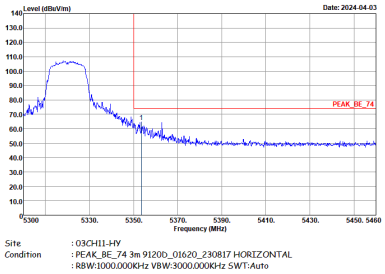
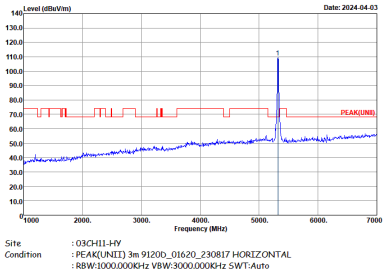
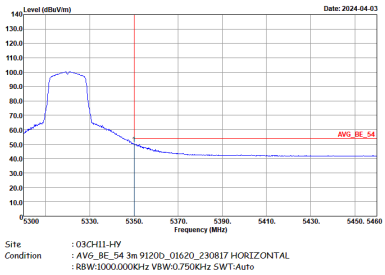
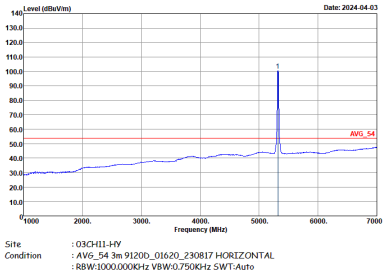
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

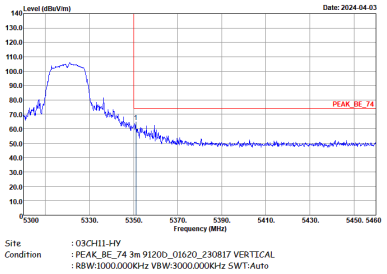
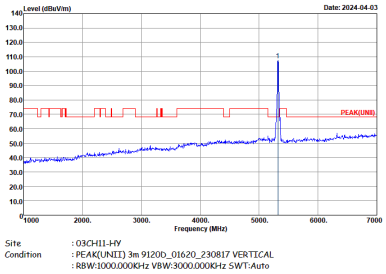
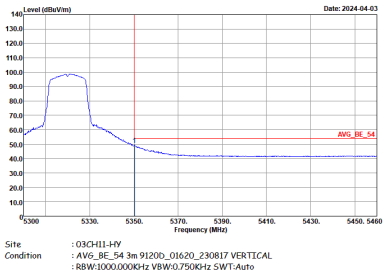
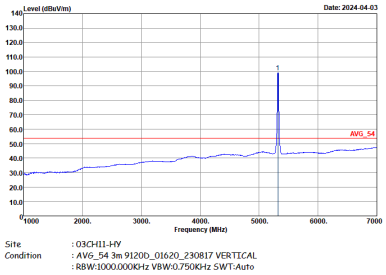
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

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

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

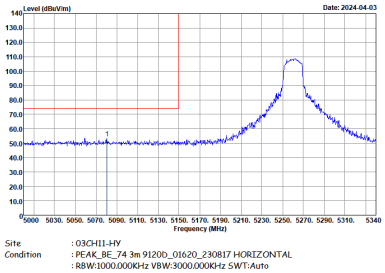
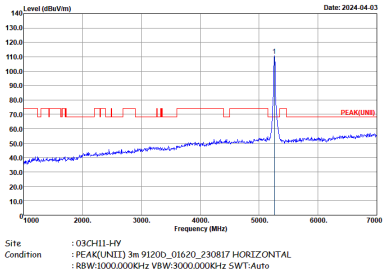
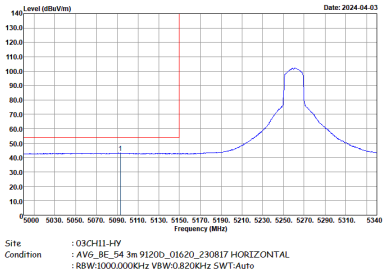
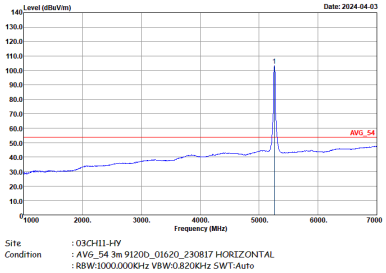
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

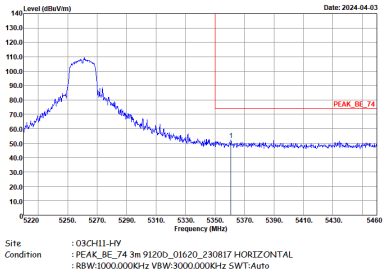
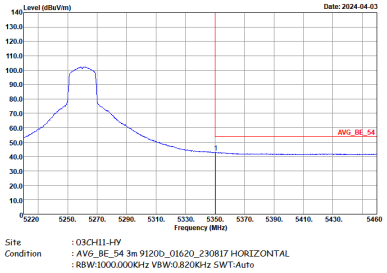
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HV Condition : PEAK(UNII) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH11-HV Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

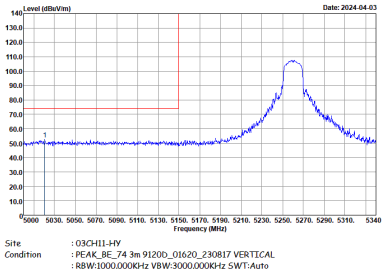
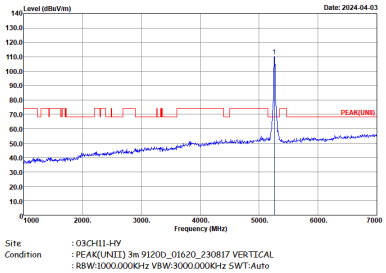
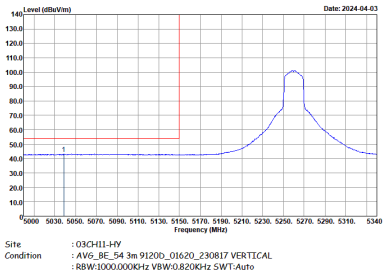
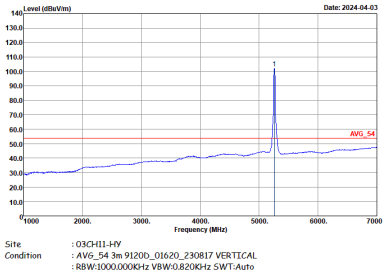
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4	Vertical	Fundamental
Peak		
Avg.		

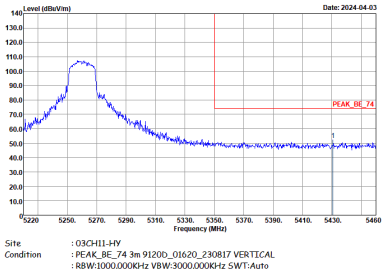
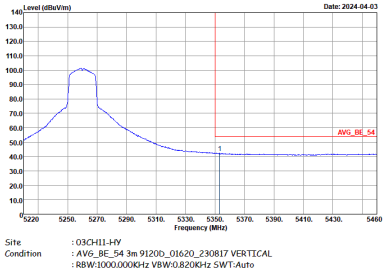
Band 2 5250~5350MHz

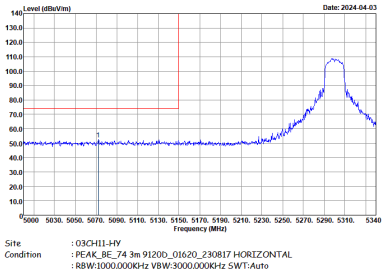
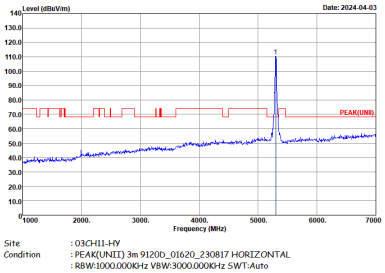
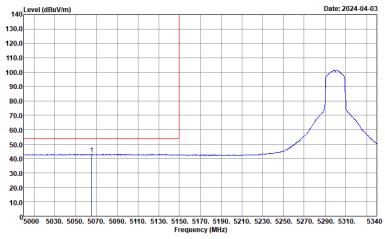
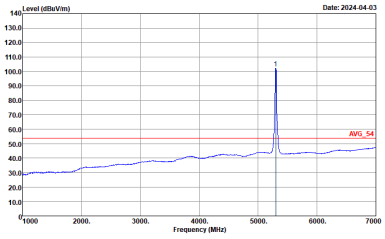
WIFI 802.11n HT20 (Band Edge @ 3m)

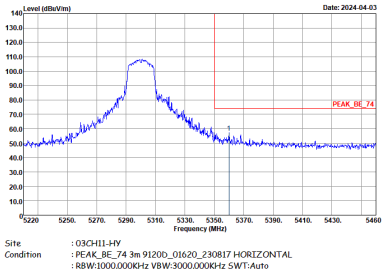
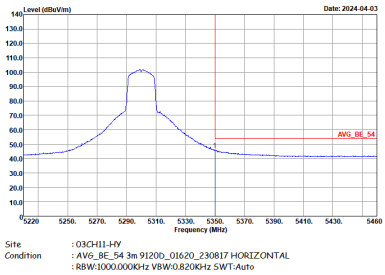
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		

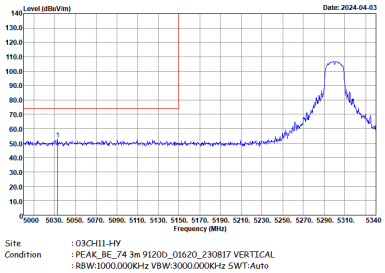
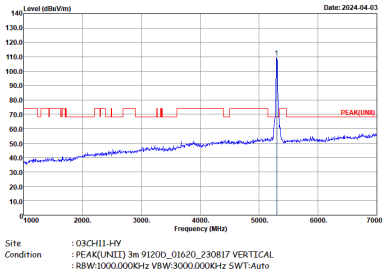
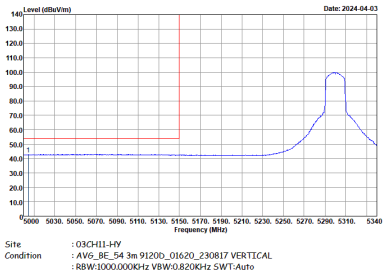
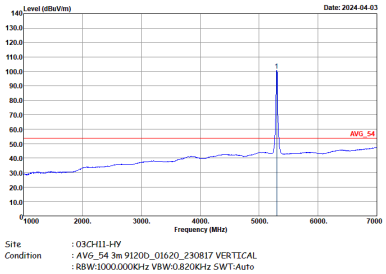
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

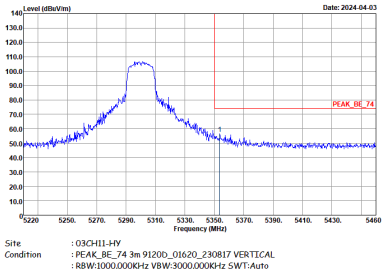
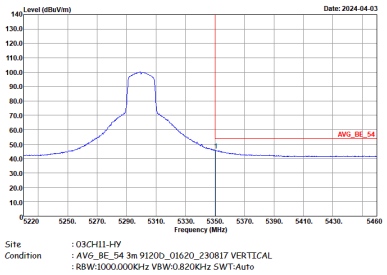
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		

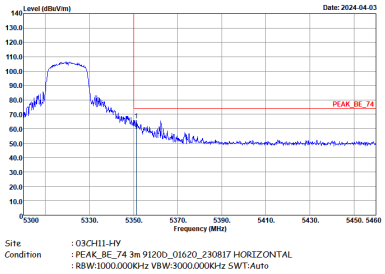
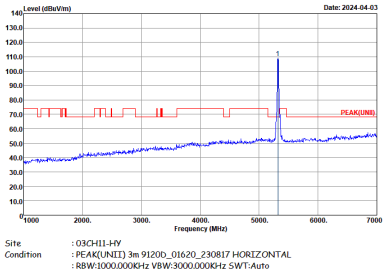
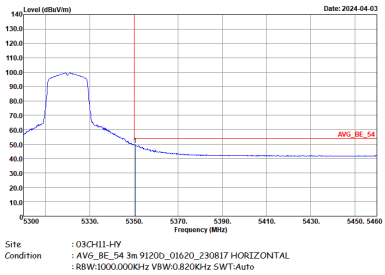
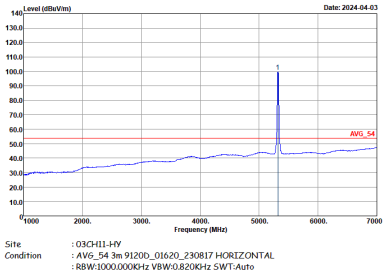
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

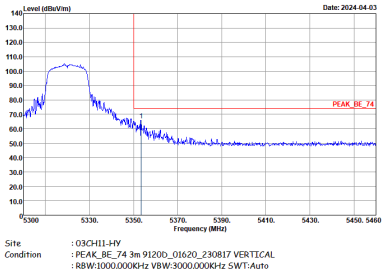
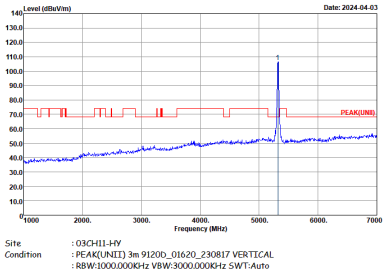
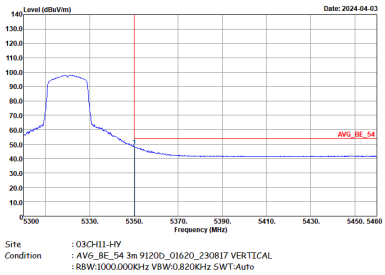
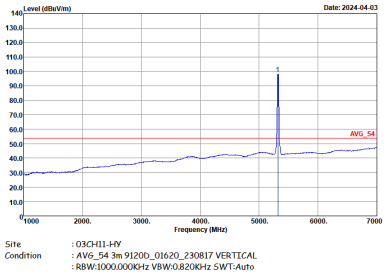
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

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

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

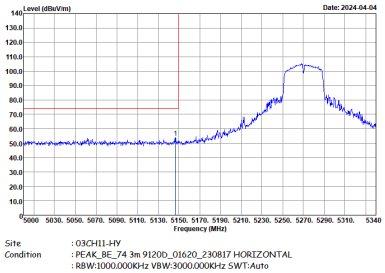
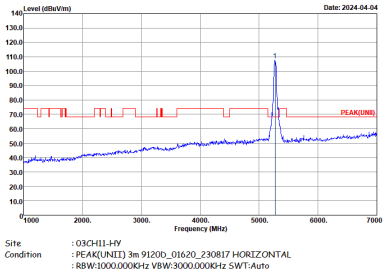
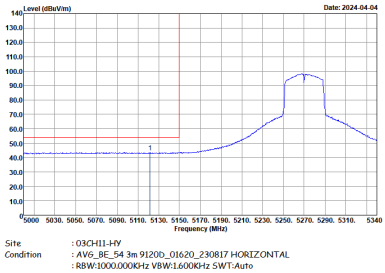
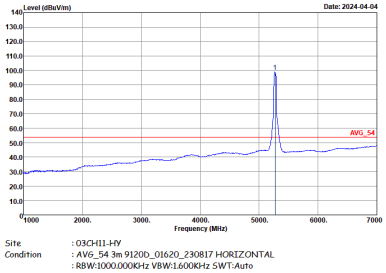
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

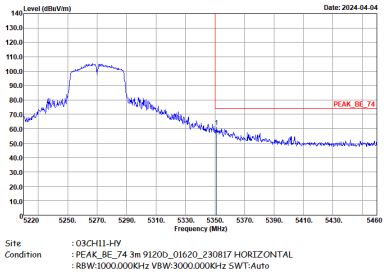
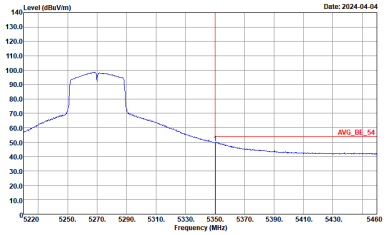
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HV Condition : PEAK(UNII) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH11-HV Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

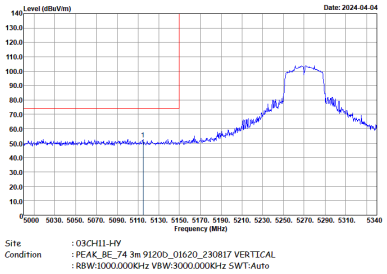
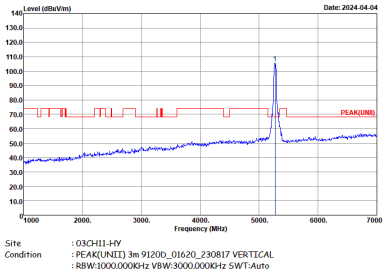
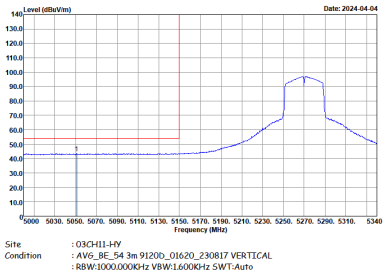
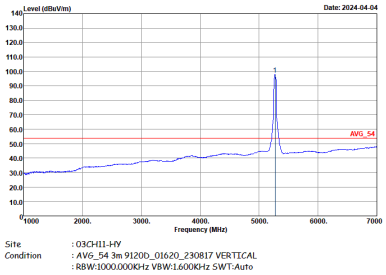
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4	Vertical	Fundamental
Peak		
Avg.		

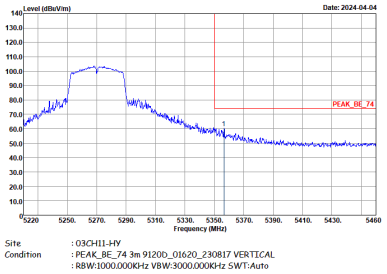
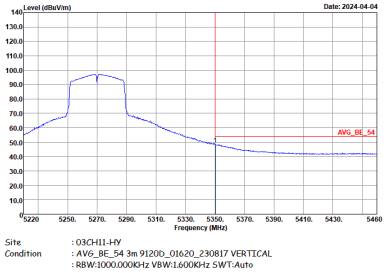
Band 2 5250~5350MHz

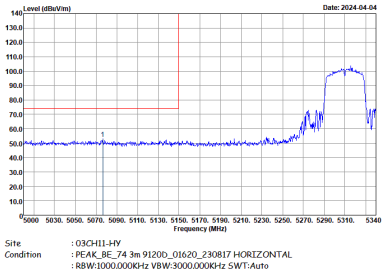
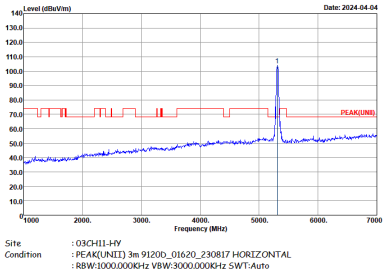
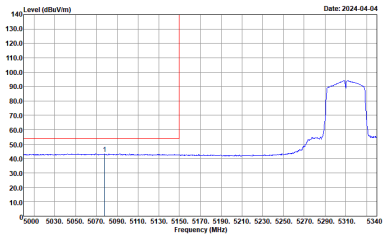
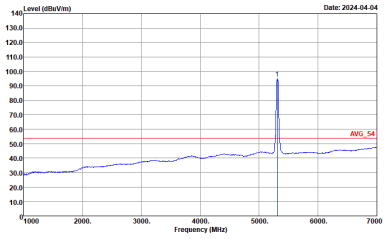
WIFI 802.11n HT40 (Band Edge @ 3m)

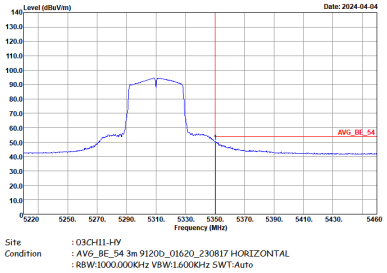
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		

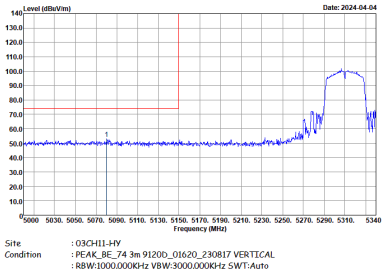
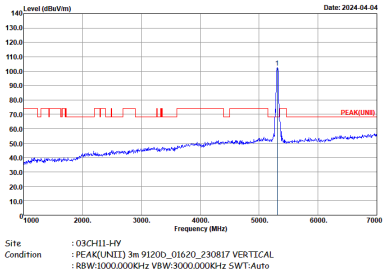
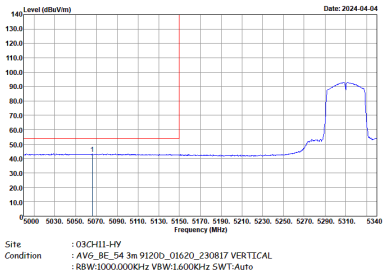
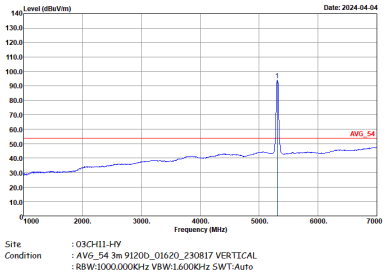
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:1600KHz SWT:Auto	Left blank

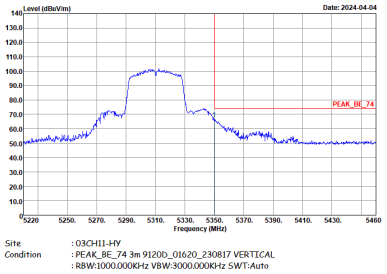
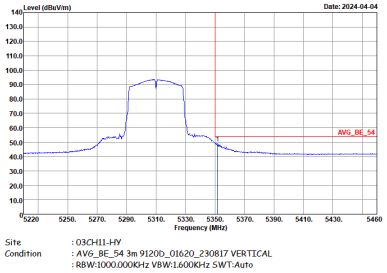
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
4	Vertical	Vertical
Peak		
Avg.		

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:1.600KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:1.600KHz SWT:Auto

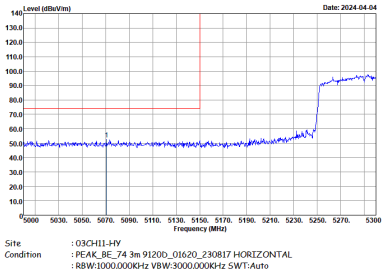
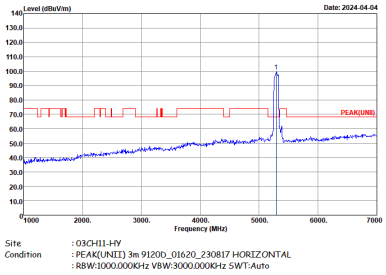
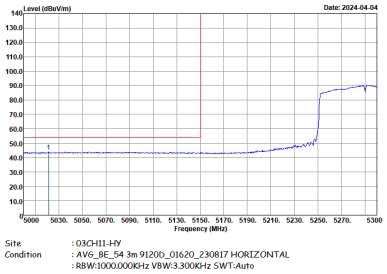
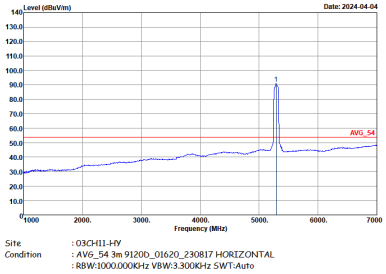
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

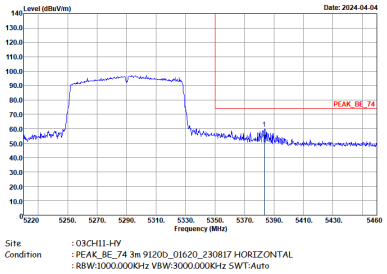
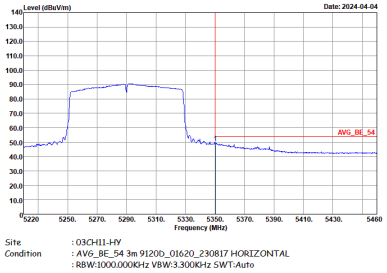
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		

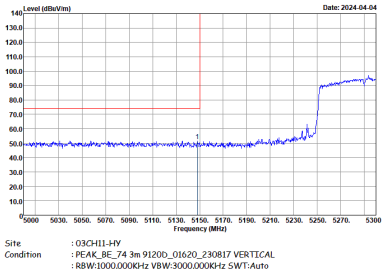
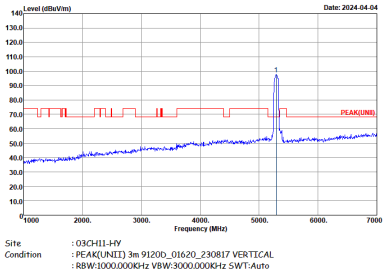
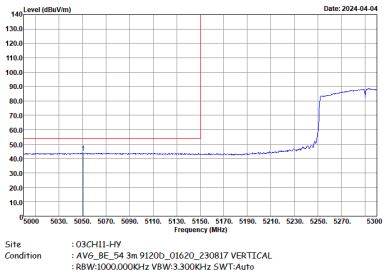
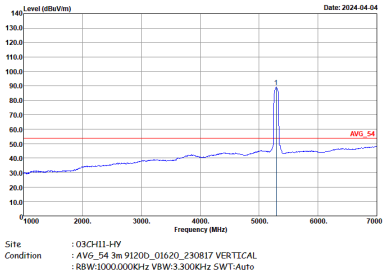
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

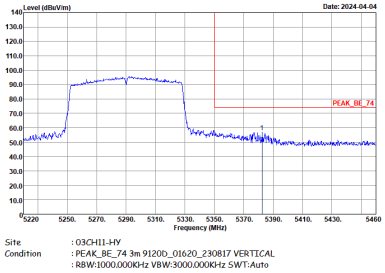
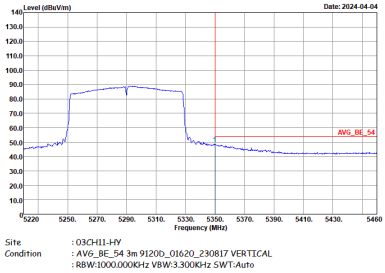
Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

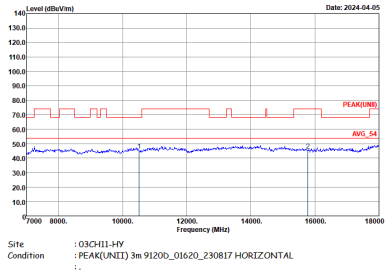
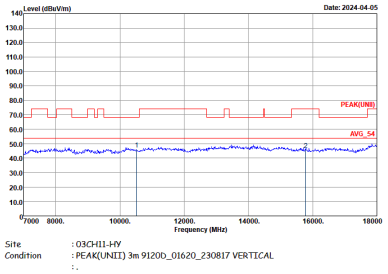
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

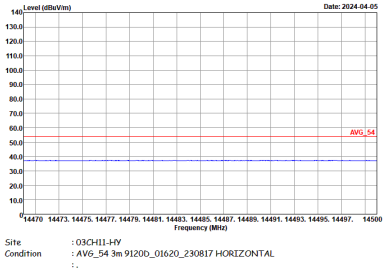
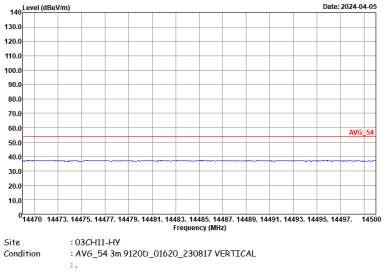
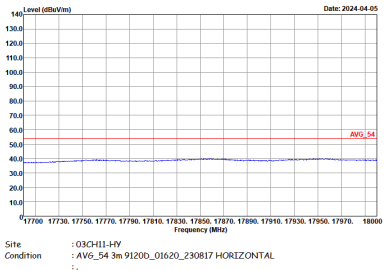
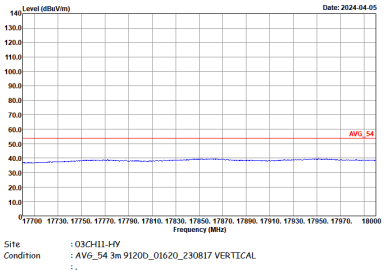
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		

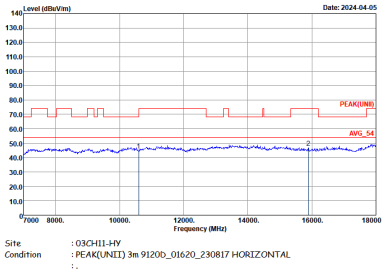
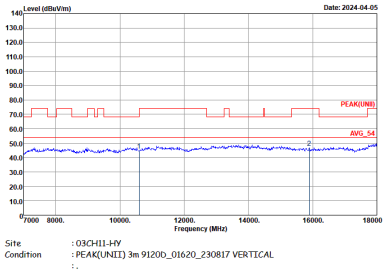
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

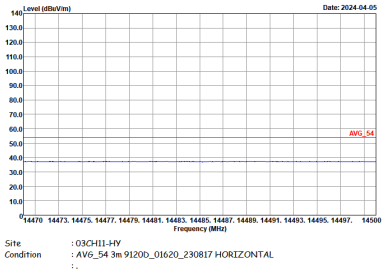
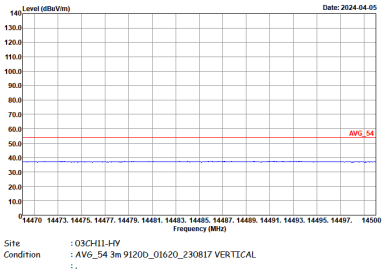
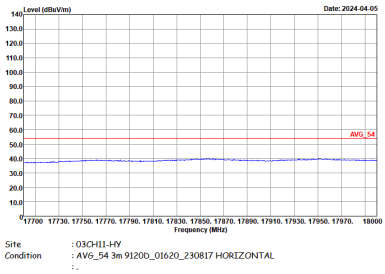
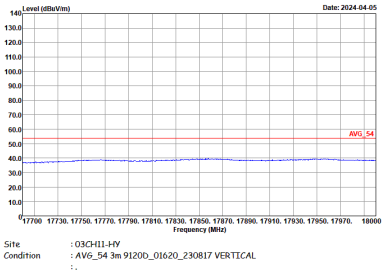
Band 2 - 5250~5350MHz

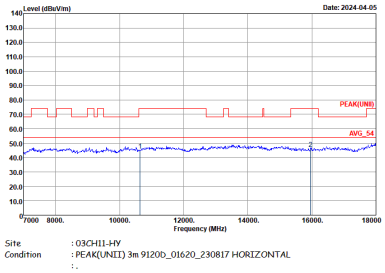
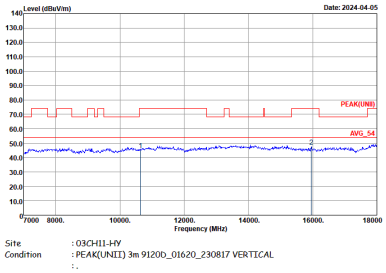
WIFI 802.11a (Harmonic @ 3m)

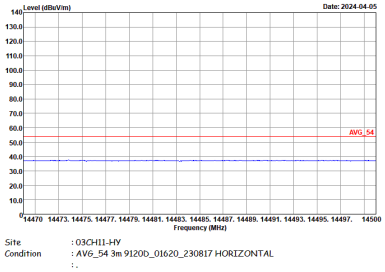
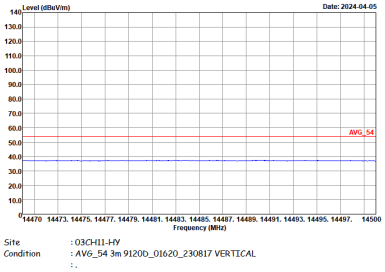
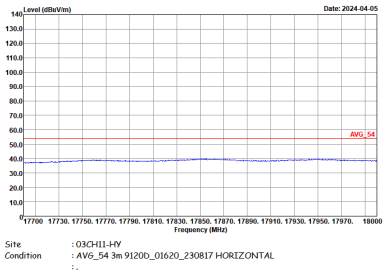
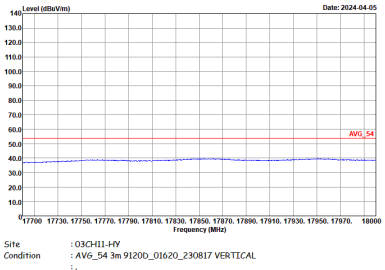
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
4	Horizontal	Vertical
14.47G ~14.5G Avg.		
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	
4	Horizontal	Vertical
Peak Avg.