FCC RADIO TEST REPORT

FCC ID	:	**2AENP-DWT01**
Equipment	:	**Montblanc Digital Paper**
Brand Name	:	**Montblanc**
Model Name	:	**DWT-01**
Applicant	:	**Montblanc-Simplo GmbH Hellgrundweg 100, 22525, Hamburg, Germany**
Manufacturer	:	**Montblanc-Simplo GmbH Hellgrundweg 100, 22525, Hamburg, Germany**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Mar. 15, 2024 and testing was performed from Mar. 25, 2024 to Aug. 15, 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.)

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FR431513E	01	Initial issue of report	Jun. 13, 2024
FR431513E	02	Revise Appendix A This report is an updated version, replacing the report issued on Jun. 13, 2024.	Aug. 16, 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	Pass	-
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	3.85 dB under the limit at 5459.68 MHz
3.5	15.207	AC Conducted Emission	Pass	4.12 dB under the limit at 0.40 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 Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, and NFC. **Antenna Type** WLAN: PIFA Antenna Bluetooth: PIFA Antenna NFC: FPC Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	0.92
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	1.01
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	0.11

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, 03CH16-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 power for 802.11ac mode is smaller than 802.11n mode, so all other conducted and radiated test is covered by 802.11n mode.

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

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 : Bluetooth Link + WLAN (5GHz) Link + Pen Charging + Battery + USB Cable (Charging from Adapter)

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

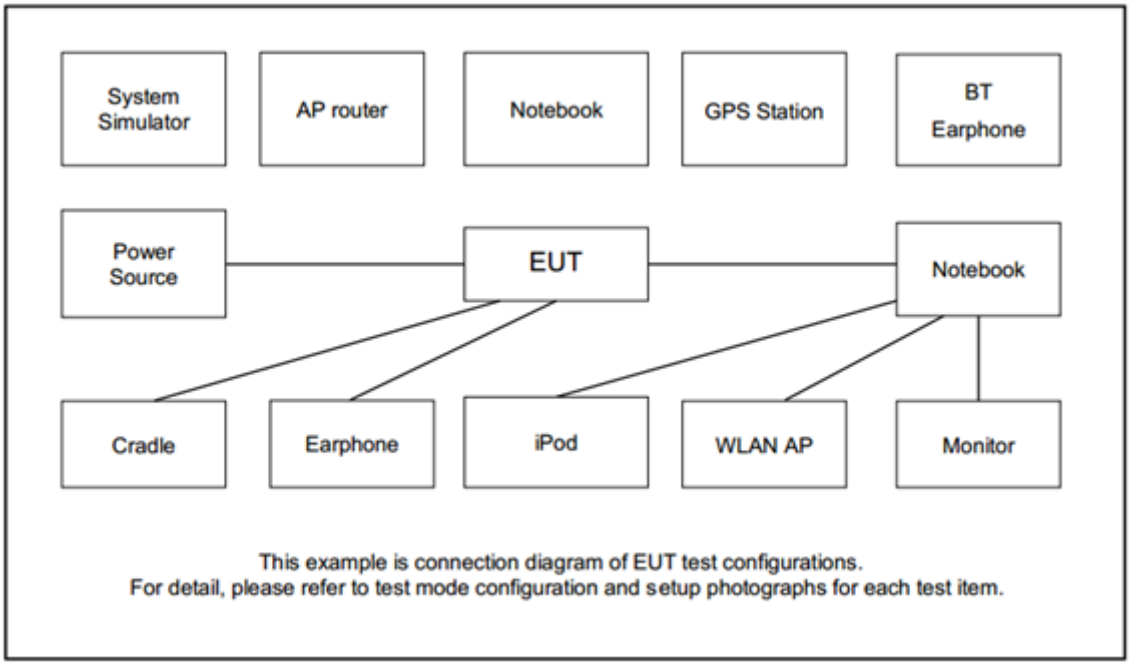
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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	SBH20	PY7-RD0010	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.	Notebook	DELL	Latitude 5480	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Adapter	louis vuitton	LVMC0029	N/A	N/A	N/A
6.	Adapter	MIBO	MB-21244274	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “cmd version 10.0.19043.2364” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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.

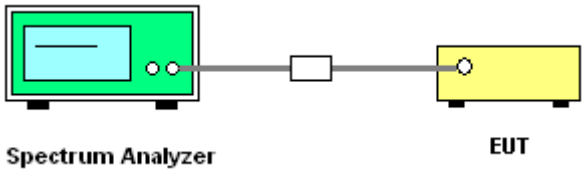
3.1.2 Measuring Instruments

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

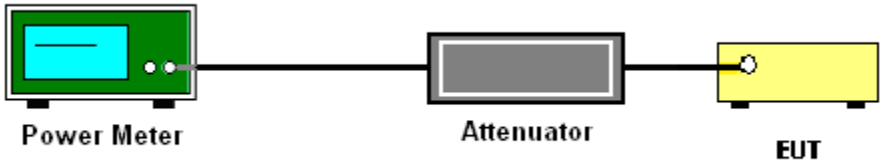
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

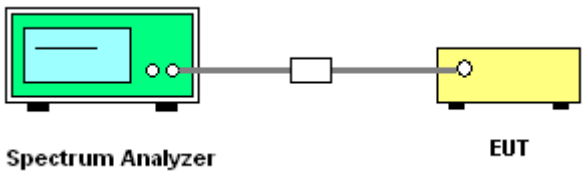
 # Method SA-2 #

(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

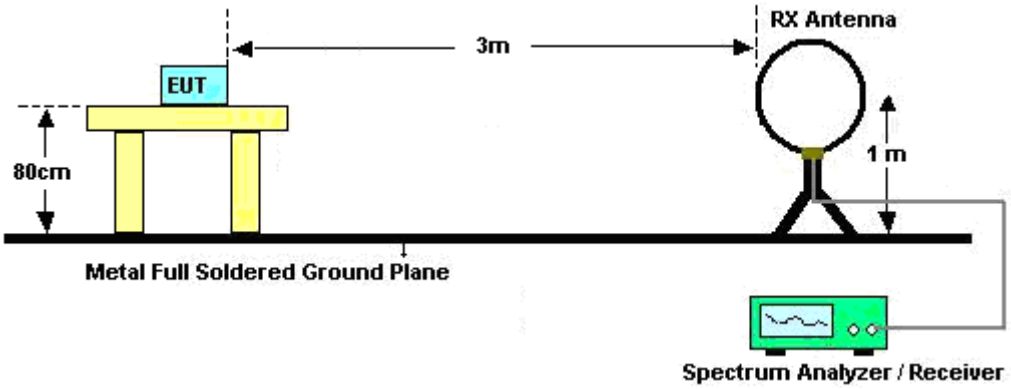
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

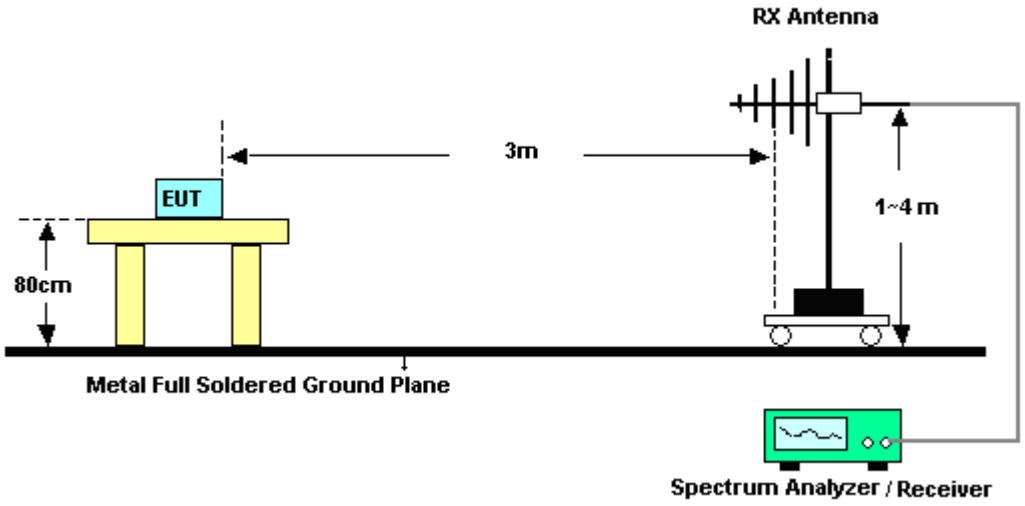
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

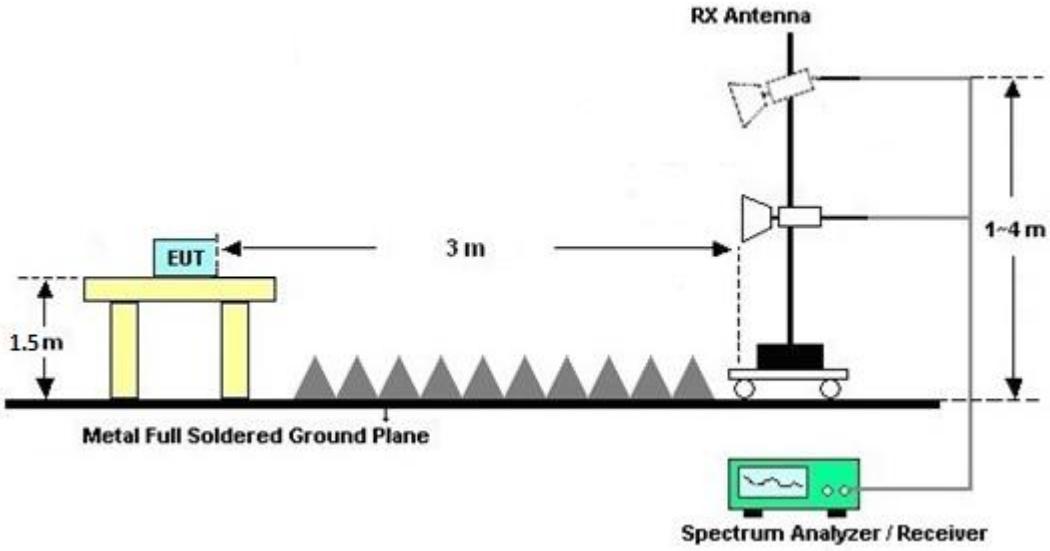
For radiated emissions below 30MHz



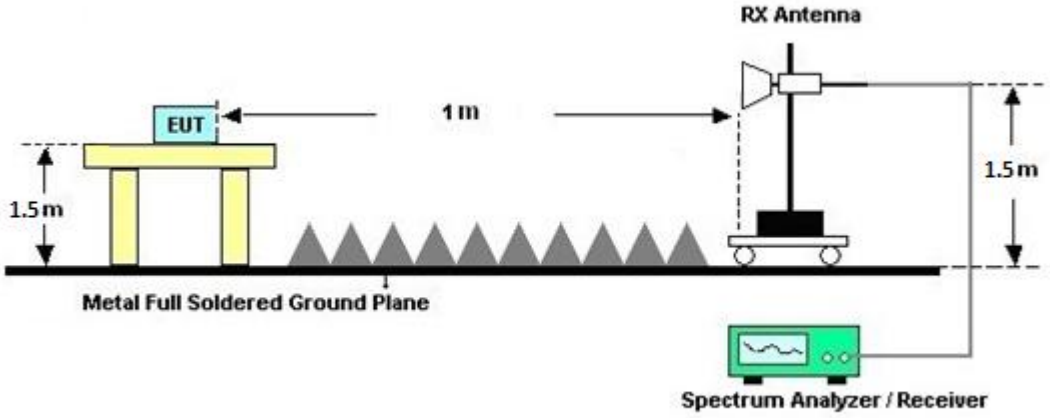
For radiated emissions from 30MHz to 1GHz



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.

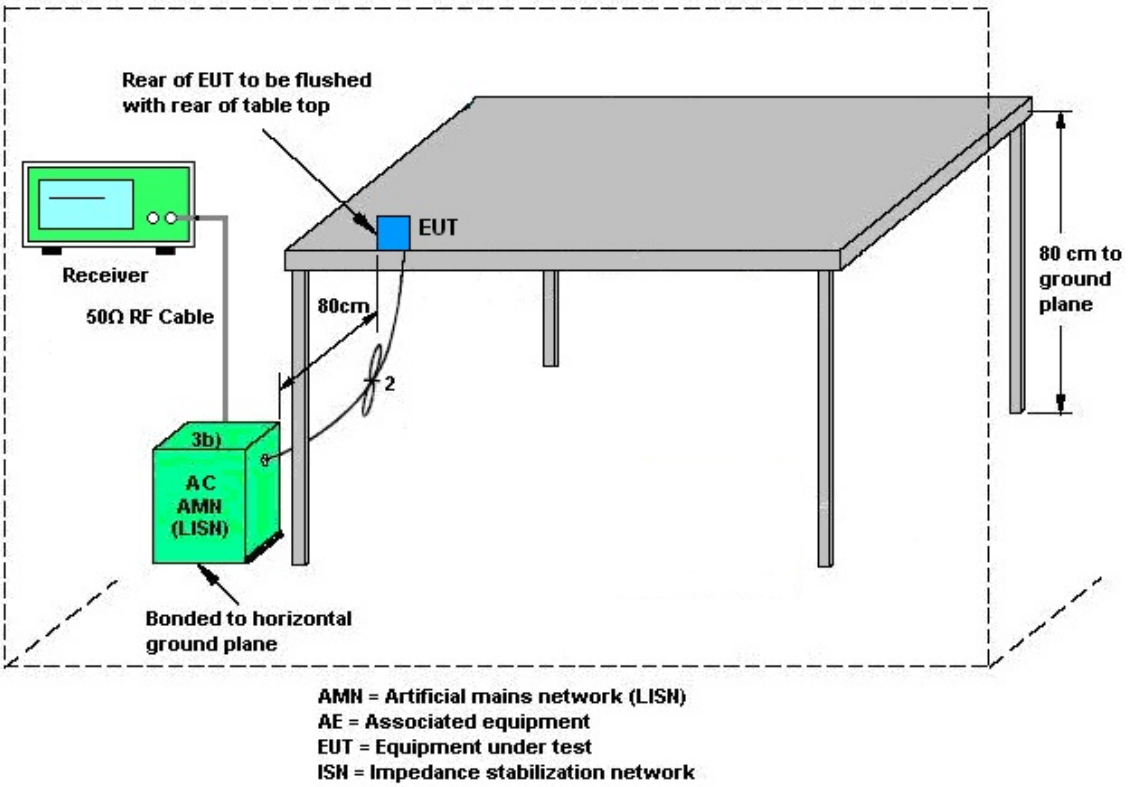
3.5.2 Measuring Instruments

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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Apr. 02, 2024~ Apr. 15, 2024	Sep. 11, 2024	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2023	Apr. 02, 2024~ Apr. 15, 2024	Nov. 23, 2024	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz to 1GHz	Oct. 07, 2023	Apr. 02, 2024~ Apr. 15, 2024	Oct. 06, 2024	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02038	1G~18GHz	Jul. 31, 2023	Apr. 02, 2024~ Apr. 15, 2024	Jul. 30, 2024	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 03, 2023	Apr. 02, 2024~ Apr. 15, 2024	Jul. 02, 2024	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 07, 2023	Apr. 02, 2024~ Apr. 15, 2024	Dec. 06, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 25, 2023	Apr. 02, 2024~ Apr. 15, 2024	Dec. 24, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Apr. 02, 2024~ Apr. 15, 2024	Jun. 26, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 15, 2024	Apr. 02, 2024~ Apr. 15, 2024	Jan. 14, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN3	3GHz High Pass Filter	Jun. 29, 2023	Apr. 02, 2024~ Apr. 15, 2024	Jun. 28, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN27	6.75GHz High Pass Filter	Nov. 13, 2023	Apr. 02, 2024~ Apr. 15, 2024	Nov. 12, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Apr. 02, 2024~ Apr. 15, 2024	Mar. 05, 2025	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-5757,805935/4,802434/4	30MHz~18GHz	Aug. 08, 2023	Apr. 02, 2024~ Apr. 15, 2024	Aug. 07, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	18-40GHz	Jan. 02, 2024	Apr. 02, 2024~ Apr. 15, 2024	Jan. 01, 2025	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Apr. 02, 2024~ Apr. 15, 2024	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Apr. 02, 2024~ Apr. 15, 2024	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 02, 2024~ Apr. 15, 2024	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 02, 2024~ Apr. 15, 2024	N/A	Radiation (03CH16-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	May 21, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	May 21, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	May 21, 2024	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	May 21, 2024	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	May 21, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	May 21, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	May 21, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Mar. 25, 2024~ Aug. 15, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3008W	RPR8W-2301017 (NO:20)	10MHz~8GHz	Jul. 26, 2023	Mar. 25, 2024~ Jul. 24, 2024	Jul. 25, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3008W	RPR8W-2301017 (NO:20)	10MHz~8GHz	Jun. 27, 2024	Jul. 25, 2024~ Aug. 15, 2024	Jun. 26, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Aug. 31, 2023	Mar. 25, 2024~ Aug. 15, 2024	Aug. 30, 2024	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))	**6.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.50 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Kevin Xiao and Wei Shun	Temperature:	21~25	°C
Test Date:	2024/03/25 ~ 2024/08/15	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna										
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	-	Note
					Ant 1	Ant 1	Ant 1	Ant 2	Ant 1		
11a	6Mbps	1	36	5180	16.78	20.22	-		22.25		-
11a	6Mbps	1	44	5220	16.78	20.18	-		22.25		-
11a	6Mbps	1	48	5240	16.83	20.29	-		22.26		-
HT20	MCS0	1	36	5180	17.78	20.54	-		22.50		-
HT20	MCS0	1	44	5220	17.78	20.50	-		22.50	-	-
HT20	MCS0	1	48	5240	17.83	20.46	-		22.51		-
HT40	MCS0	1	38	5190	36.76	42.02	-		23.01		-
HT40	MCS0	1	46	5230	36.66	41.84	-		23.01		-
VHT80	MCS0	1	42	5210	75.40	81.28	-		23.01		-

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna									
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
					Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	36	5180	14.90	24.00	0.92		Pass
11a	6Mbps	1	44	5220	14.90	24.00	0.92		Pass
11a	6Mbps	1	48	5240	9.80	24.00	0.92		Pass
HT20	MCS0	1	36	5180	14.90	24.00	0.92		Pass
HT20	MCS0	1	44	5220	14.60	24.00	0.92		Pass
HT20	MCS0	1	48	5240	9.70	24.00	0.92		Pass
HT40	MCS0	1	38	5190	14.80	24.00	0.92		Pass
HT40	MCS0	1	46	5230	9.60	24.00	0.92	-	Pass
VHT20	MCS0	1	36	5180	14.80	24.00	0.92		Pass
VHT20	MCS0	1	44	5220	14.50	24.00	0.92		Pass
VHT20	MCS0	1	48	5240	9.60	24.00	0.92		Pass
VHT40	MCS0	1	38	5190	14.70	24.00	0.92		Pass
VHT40	MCS0	1	46	5230	9.50	24.00	0.92		Pass
VHT80	MCS0	1	42	5210	14.60	24.00	0.92		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 1	Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	36	5180	0.00	3.71	11.00	0.92		Pass
11a	6Mbps	1	44	5220	0.00	3.64	11.00	0.92		Pass
11a	6Mbps	1	48	5240	0.00	-2.42	11.00	0.92		Pass
HT20	MCS0	1	36	5180	0.16	3.60	11.00	0.92		Pass
HT20	MCS0	1	44	5220	0.16	3.47	11.00	0.92	-	Pass
HT20	MCS0	1	48	5240	0.16	-2.59	11.00	0.92		Pass
HT40	MCS0	1	38	5190	0.29	0.97	11.00	0.92		Pass
HT40	MCS0	1	46	5230	0.29	-5.56	11.00	0.92		Pass
VHT80	MCS0	1	42	5210	0.55	-2.23	11.00	0.92		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna										
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	Note
					Ant 1	Ant 1	Ant 1	Ant 1	Ant 1	
11a	6Mbps	1	52	5260	16.78	20.06	23.25	29.25	23.98	-
11a	6Mbps	1	60	5300	16.78	20.31	23.25	29.25	23.98	
11a	6Mbps	1	64	5320	16.83	20.29	23.26	29.26	23.98	
HT20	MCS0	1	52	5260	17.83	20.47	23.51	29.51	23.98	
HT20	MCS0	1	60	5300	17.78	20.50	23.50	29.50	23.98	
HT20	MCS0	1	64	5320	17.73	20.74	23.49	29.49	23.98	
HT40	MCS0	1	54	5270	36.76	41.87	23.98	30.00	23.98	
HT40	MCS0	1	62	5310	36.76	41.81	23.98	30.00	23.98	
VHT80	MCS0	1	58	5290	75.40	80.99	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna									
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	52	5260	14.90	23.98	1.01	26.9897	Pass
11a	6Mbps	1	60	5300	14.90	23.98	1.01	26.9897	Pass
11a	6Mbps	1	64	5320	14.90	23.98	1.01	26.9897	Pass
HT20	MCS0	1	52	5260	14.90	23.98	1.01	26.9897	Pass
HT20	MCS0	1	60	5300	14.70	23.98	1.01	26.9897	Pass
HT20	MCS0	1	64	5320	14.70	23.98	1.01	26.9897	Pass
HT40	MCS0	1	54	5270	14.90	23.98	1.01	26.9897	Pass
HT40	MCS0	1	62	5310	14.70	23.98	1.01	26.9897	Pass
VHT20	MCS0	1	52	5260	14.80	23.98	1.01	26.9897	Pass
VHT20	MCS0	1	60	5300	14.60	23.98	1.01	26.9897	Pass
VHT20	MCS0	1	64	5320	14.60	23.98	1.01	26.9897	Pass
VHT40	MCS0	1	54	5270	14.80	23.98	1.01	26.9897	Pass
VHT40	MCS0	1	62	5310	14.60	23.98	1.01	26.9897	Pass
VHT80	MCS0	1	58	5290	14.70	23.98	1.01	26.9897	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 1	Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	52	5260	0.00	3.76	11.00	1.01		Pass
11a	6Mbps	1	60	5300	0.00	3.87	11.00	1.01		Pass
11a	6Mbps	1	64	5320	0.00	3.84	11.00	1.01		Pass
HT20	MCS0	1	52	5260	0.16	3.78	11.00	1.01		Pass
HT20	MCS0	1	60	5300	0.16	3.84	11.00	1.01	-	Pass
HT20	MCS0	1	64	5320	0.16	3.80	11.00	1.01		Pass
HT40	MCS0	1	54	5270	0.29	1.02	11.00	1.01		Pass
HT40	MCS0	1	62	5310	0.29	1.03	11.00	1.01		Pass
VHT80	MCS0	1	58	5290	0.55	-2.23	11.00	1.01		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna										
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)	26 dB Bandwidth In U-NII 2C (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	6 dB Bandwidth for Straddle Channel (MHz)
					Ant 1	Ant 1	Ant 1	Ant 1	Ant 1	Ant 1
11a	6Mbps	1	100	5500	16.78	20.20	23.25	29.25	23.98	----
11a	6Mbps	1	116	5580	16.83	20.40	23.26	29.26	23.98	----
11a	6Mbps	1	140	5700	16.83	20.26	23.26	29.26	23.98	----
HT20	MCS0	1	100	5500	17.83	20.59	23.51	29.51	23.98	----
HT20	MCS0	1	116	5580	17.78	20.54	23.50	29.50	23.98	----
HT20	MCS0	1	140	5700	17.83	20.69	23.51	29.51	23.98	----
HT40	MCS0	1	102	5510	36.56	41.87	23.98	30.00	23.98	----
HT40	MCS0	1	110	5550	36.66	41.76	23.98	30.00	23.98	----
HT40	MCS0	1	134	5670	36.76	41.87	23.98	30.00	23.98	----
VHT80	MCS0	1	106	5530	75.28	81.02	23.98	30.00	23.98	----
VHT80	MCS0	1	122	5610	75.28	81.12	23.98	30.00	23.98	----

U-NII-2C straddle channel single antenna										
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)	26 dB Bandwidth In U-NII 2C (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	6 dB Bandwidth for Straddle Channel (MHz)
					Ant 1	Ant 1	Ant 1	Ant 1	Ant 1	Ant 1
11a	6Mbps	1	144	5720	13.39	15.10	22.27	28.27	22.79	2.56
HT20	MCS0	1	144	5720	13.89	15.28	22.43	28.43	22.84	2.555
HT40	MCS0	1	142	5710	33.39	36.02	23.98	30.00	23.98	2.559
VHT80	MCS0	1	138	5690	72.76	75.54	23.98	30.00	23.98	2.568
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 (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	100	5500	14.90	23.98	0.11	26.98970004	Pass
11a	6Mbps	1	116	5580	14.90	23.98	0.11	26.98970004	Pass
11a	6Mbps	1	140	5700	14.90	23.98	0.11	26.98970004	Pass
HT20	MCS0	1	100	5500	14.70	23.98	0.11	26.98970004	Pass
HT20	MCS0	1	116	5580	14.70	23.98	0.11	26.98970004	Pass
HT20	MCS0	1	140	5700	14.90	23.98	0.11	26.98970004	Pass
HT40	MCS0	1	102	5510	14.80	23.98	0.11	26.98970004	Pass
HT40	MCS0	1	110	5550	14.80	23.98	0.11	26.98970004	Pass
HT40	MCS0	1	134	5670	14.90	23.98	0.11	26.98970004	Pass
VHT20	MCS0	1	100	5500	14.60	23.98	0.11	26.98970004	Pass
VHT20	MCS0	1	116	5580	14.60	23.98	0.11	26.98970004	Pass
VHT20	MCS0	1	140	5700	14.80	23.98	0.11	26.98970004	Pass
VHT40	MCS0	1	102	5510	14.70	23.98	0.11	26.98970004	Pass
VHT40	MCS0	1	110	5550	14.70	23.98	0.11	26.98970004	Pass
VHT40	MCS0	1	134	5670	14.80	23.98	0.11	26.98970004	Pass
VHT80	MCS0	1	106	5530	14.60	23.98	0.11	26.98970004	Pass

FCC U-NII-2C straddle channel single antenna									
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	144	5720	14.90	22.79	0.11	26.98970004	Pass
HT20	MCS0	1	144	5720	14.80	22.84	0.11	26.98970004	Pass
HT40	MCS0	1	142	5710	14.90	23.98	0.11	26.98970004	Pass
VHT20	MCS0	1	144	5720	14.70	23.98	0.11	26.98970004	Pass
VHT40	MCS0	1	142	5710	14.80	23.98	0.11	26.98970004	Pass
VHT80	MCS0	1	138	5690	14.70	23.98	0.11	26.98970004	Pass

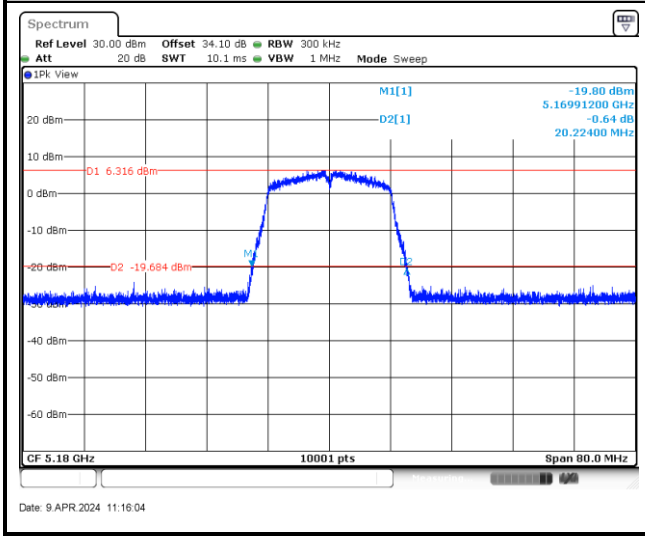
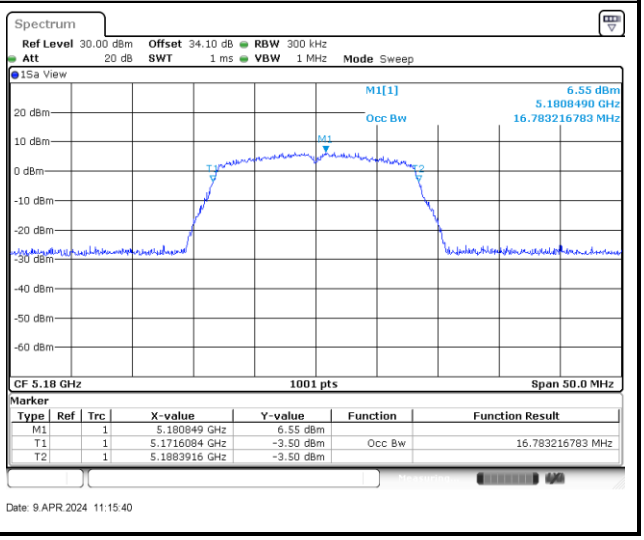
TEST RESULTS DATA
Power Spectral Density

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 1	Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	100	5500	0.00	3.94	11.00	0.11		Pass
11a	6Mbps	1	116	5580	0.00	3.99	11.00	0.11		Pass
11a	6Mbps	1	140	5700	0.00	4.05	11.00	0.11		Pass
HT20	MCS0	1	100	5500	0.16	3.80	11.00	0.11		Pass
HT20	MCS0	1	116	5580	0.16	3.88	11.00	0.11		Pass
HT20	MCS0	1	140	5700	0.16	4.05	11.00	0.11	-	Pass
HT40	MCS0	1	102	5510	0.29	1.24	11.00	0.11		Pass
HT40	MCS0	1	110	5550	0.29	1.37	11.00	0.11		Pass
HT40	MCS0	1	134	5670	0.29	1.39	11.00	0.11		Pass
VHT80	MCS0	1	106	5530	0.55	-1.94	11.00	0.11		Pass
VHT80	MCS0	1	122	5610	0.55	-1.89	11.00	0.11		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 1	Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	144	5720	0.00	3.98	11.00	0.11		Pass
HT20	MCS0	1	144	5720	0.16	3.90	11.00	0.11	-	Pass
HT40	MCS0	1	142	5710	0.29	1.27	11.00	0.11		Pass
VHT80	MCS0	1	138	5690	0.55	-1.71	11.00	0.11		Pass

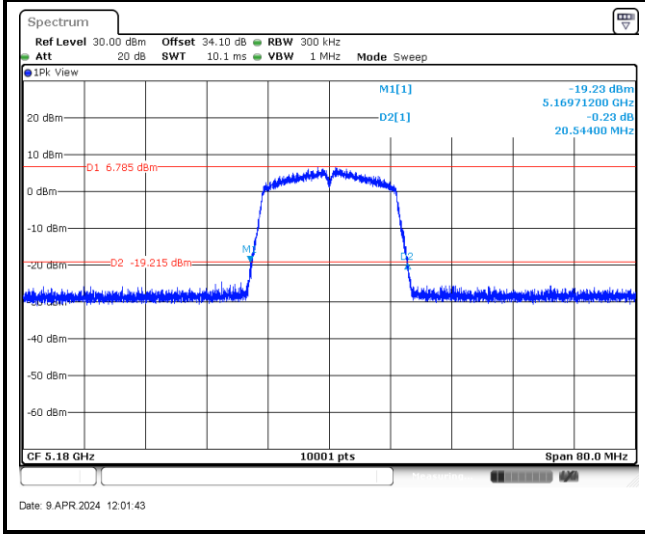
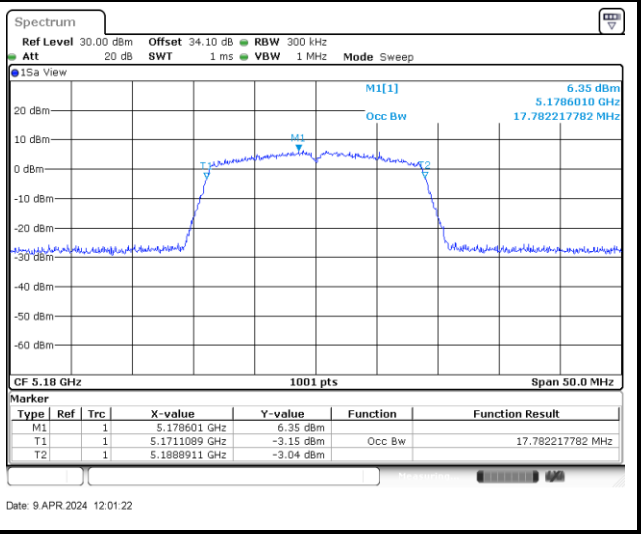
Test Result of 26dB & 99% Occupied Bandwidth

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

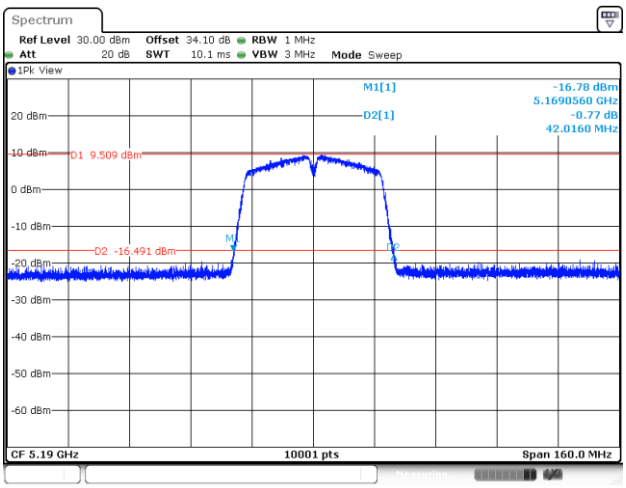
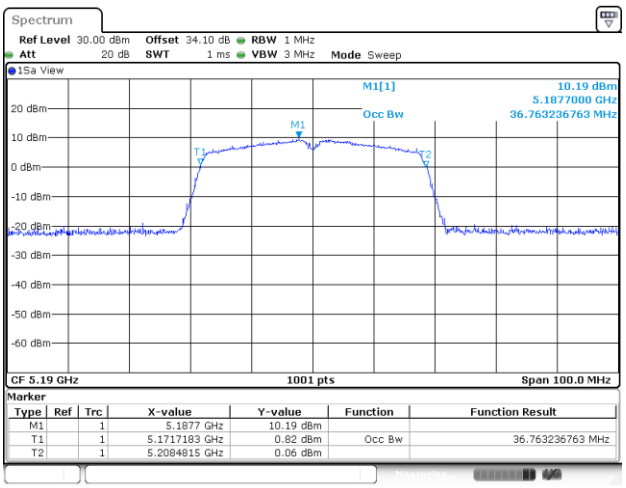
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT20>

26dB Bandwidth	99% Occupied Bandwidth
	

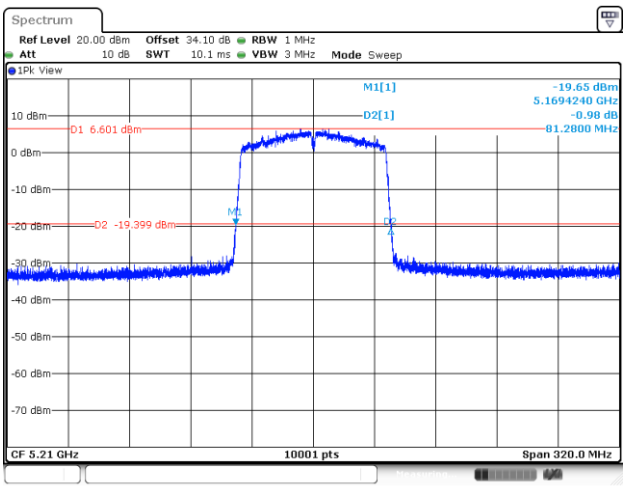
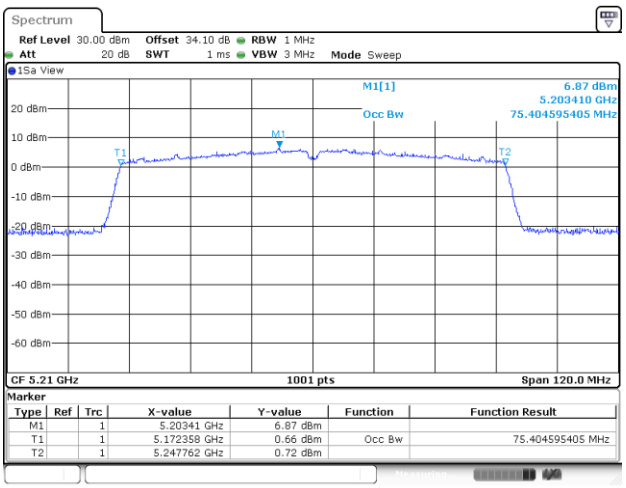
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<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>

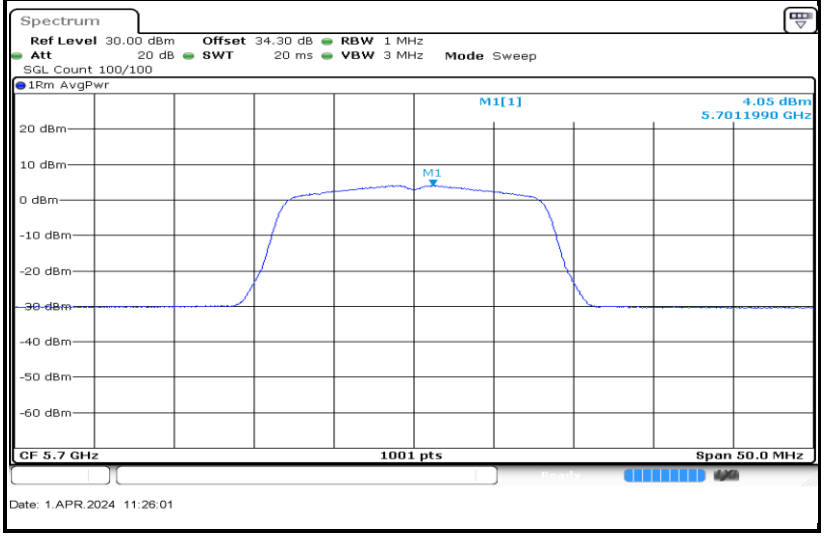
26dB Bandwidth	99% Occupied Bandwidth
	

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

Test Result of Power Spectral Density

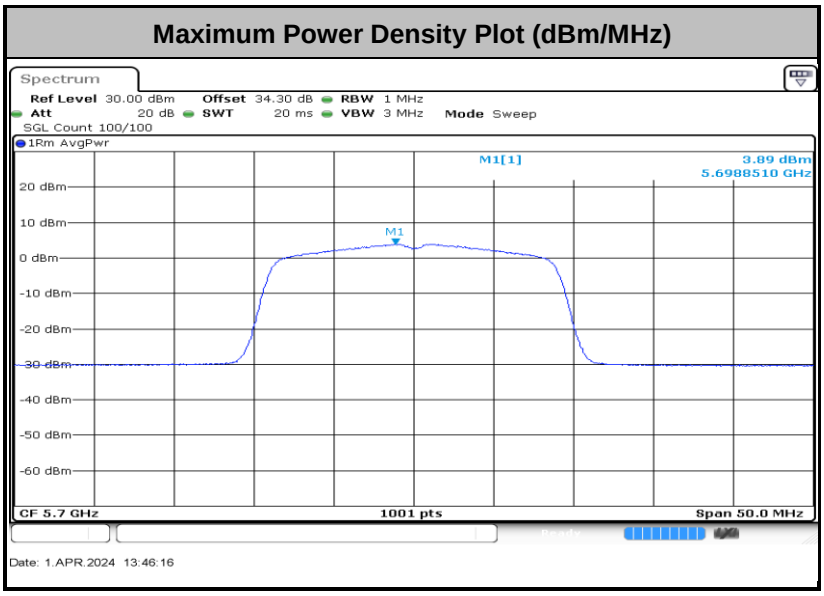
<802.11a>

Maximum Power Density Plot (dBm/MHz)



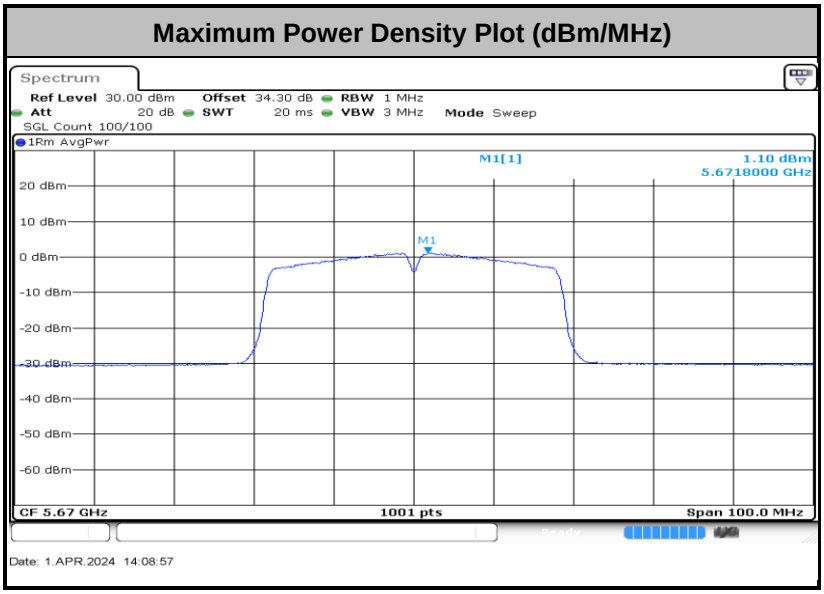
<802.11n HT20>

Maximum Power Density Plot (dBm/MHz)



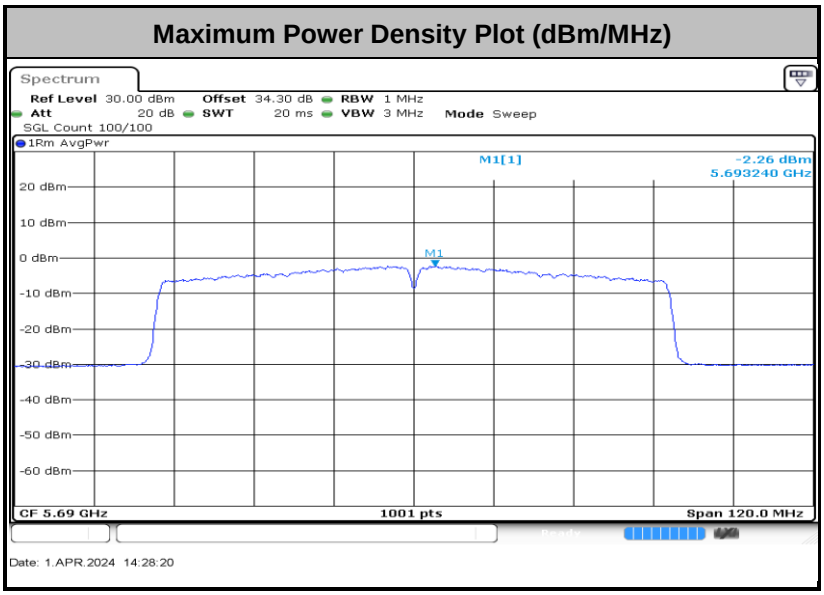
<802.11n HT40>

Maximum Power Density Plot (dBm/MHz)



<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)

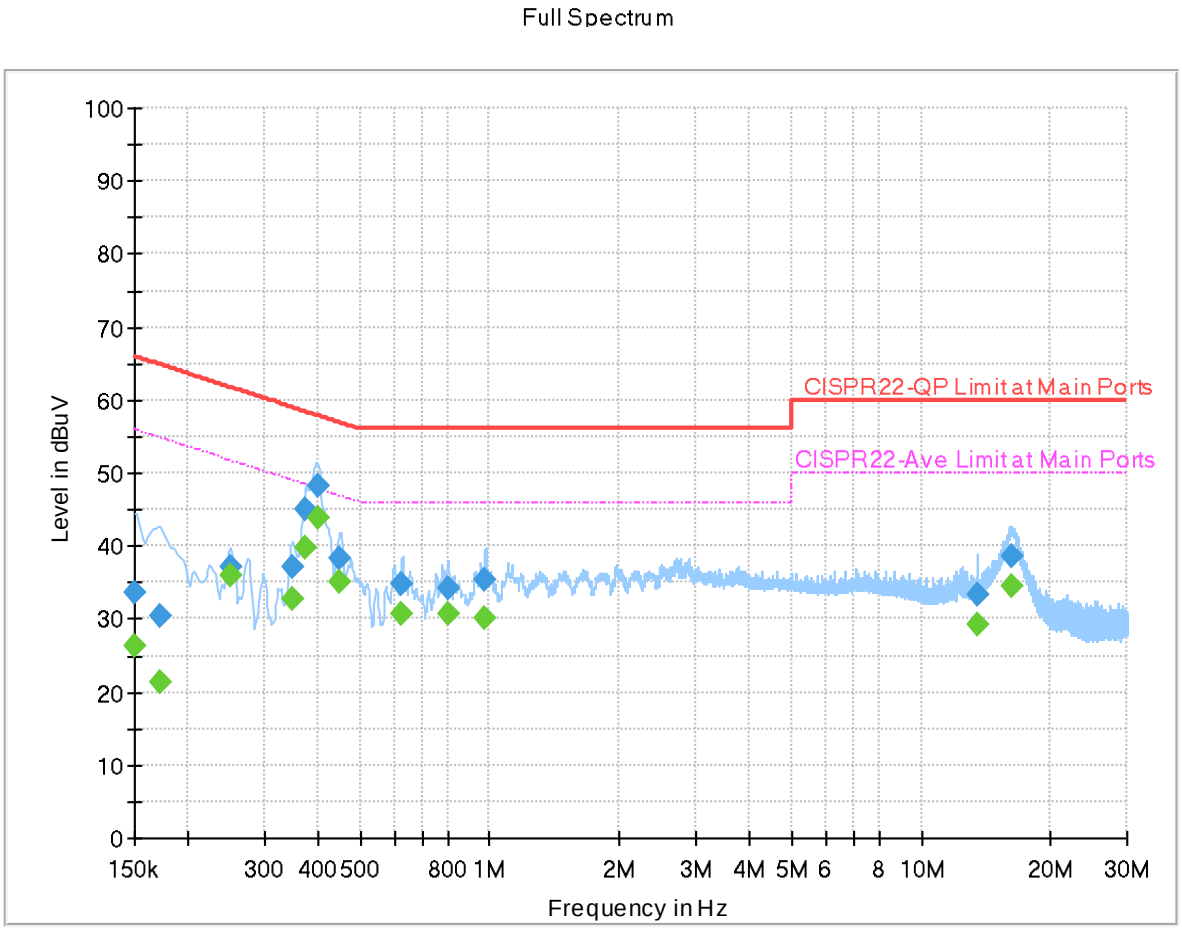


Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	20.2~23.9℃
		Relative Humidity :	49.8~56.7%

EUT Information

Report NO :	431513
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



Final_Result

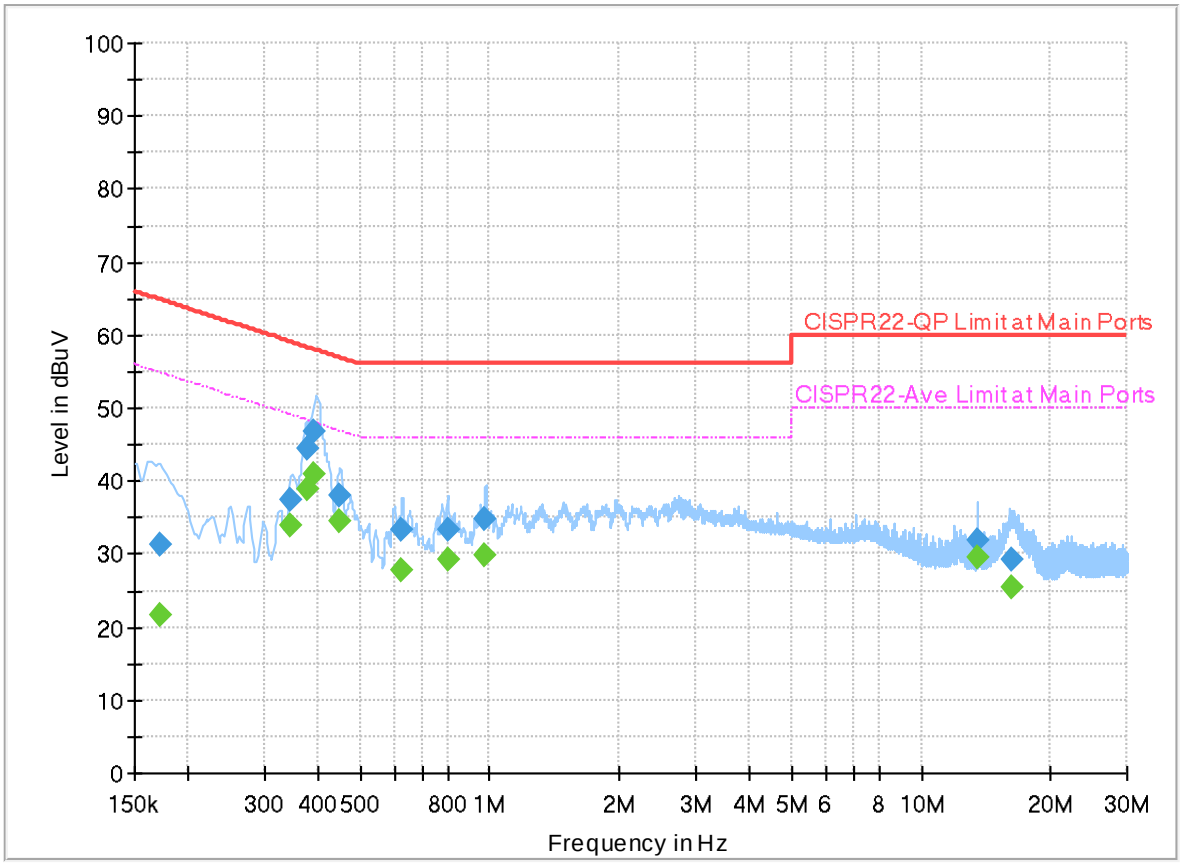
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	26.30	56.00	29.70	L1	OFF	19.9
0.150000	33.59	---	66.00	32.41	L1	OFF	19.9
0.171960	---	21.43	54.87	33.44	L1	OFF	19.9
0.171960	30.28	---	64.87	34.59	L1	OFF	19.9
0.250620	---	35.87	51.74	15.87	L1	OFF	19.9
0.250620	37.24	---	61.74	24.50	L1	OFF	19.9
0.349080	---	32.67	48.98	16.31	L1	OFF	19.9
0.349080	37.18	---	58.98	21.80	L1	OFF	19.9
0.374190	---	39.86	48.41	8.55	L1	OFF	19.9
0.374190	44.89	---	58.41	13.52	L1	OFF	19.9
0.398040	---	43.77	47.89	4.12	L1	OFF	19.9
0.398040	48.32	---	57.89	9.57	L1	OFF	19.9
0.447990	---	35.10	46.91	11.81	L1	OFF	19.9
0.447990	38.27	---	56.91	18.64	L1	OFF	19.9
0.626640	---	30.77	46.00	15.23	L1	OFF	19.9
0.626640	34.75	---	56.00	21.25	L1	OFF	19.9
0.801420	---	30.69	46.00	15.31	L1	OFF	19.9
0.801420	34.19	---	56.00	21.81	L1	OFF	19.9
0.976650	---	30.14	46.00	15.86	L1	OFF	19.9

0.976650	**35.24**	**---**	**56.00**	**20.76**	**L1**	**OFF**	**19.9**
13.562610	**---**	**29.24**	**50.00**	**20.76**	**L1**	**OFF**	**20.1**
13.562610	**33.35**	**---**	**60.00**	**26.65**	**L1**	**OFF**	**20.1**
16.205640	**---**	**34.40**	**50.00**	**15.60**	**L1**	**OFF**	**20.1**
16.205640	**38.51**	**---**	**60.00**	**21.49**	**L1**	**OFF**	**20.1**

EUT Information

Report NO :	431513
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.171330	---	21.61	54.90	33.29	N	OFF	19.9
0.171330	31.25	---	64.90	33.65	N	OFF	19.9
0.345750	---	33.90	49.06	15.16	N	OFF	19.9
0.345750	37.44	---	59.06	21.62	N	OFF	19.9
0.379320	---	38.81	48.29	9.48	N	OFF	19.9
0.379320	44.40	---	58.29	13.89	N	OFF	19.9
0.390750	---	40.99	48.05	7.06	N	OFF	19.9
0.390750	46.69	---	58.05	11.36	N	OFF	19.9
0.447540	---	34.37	46.92	12.55	N	OFF	19.9
0.447540	38.00	---	56.92	18.92	N	OFF	19.9
0.624750	---	27.86	46.00	18.14	N	OFF	19.9
0.624750	33.33	---	56.00	22.67	N	OFF	19.9
0.799350	---	29.18	46.00	16.82	N	OFF	19.9
0.799350	33.39	---	56.00	22.61	N	OFF	19.9
0.977190	---	29.81	46.00	16.19	N	OFF	19.9
0.977190	34.83	---	56.00	21.17	N	OFF	19.9
13.559280	---	29.43	50.00	20.57	N	OFF	20.1
13.559280	31.86	---	60.00	28.14	N	OFF	20.1
16.209960	---	25.52	50.00	24.48	N	OFF	20.2

16.209960	**29.33**	**---**	**60.00**	**30.67**	**N**	**OFF**	**20.2**

Appendix C. Radiated Spurious Emission

Test Engineer :	Bill Chang, Gary Guo and Steven Wu	Temperature :	18.2~20.2°C
		Relative Humidity :	54.2~56.1%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5060.32	56.21	-17.79	74	41	33.36	11.25	29.4	235	212	P	V
		5048.1	46.28	-7.72	54	31.05	33.39	11.24	29.4	235	212	A	V
	*	5180	99.75	-	-	84.56	33.2	11.38	29.39	235	212	P	V
	*	5180	92.6	-	-	77.41	33.2	11.38	29.39	235	212	A	V
		5133.38	56.33	-17.67	74	41.19	33.2	11.33	29.39	100	70	P	H
		5101.14	46.13	-7.87	54	31.03	33.2	11.3	29.4	100	70	A	H
	*	5180	94.11	-	-	78.92	33.2	11.38	29.39	100	70	P	H
	*	5180	87.45	-	-	72.26	33.2	11.38	29.39	100	70	A	H
802.11a CH 44 5220MHz		5011.96	55.81	-18.19	74	40.77	33.25	11.2	29.41	125	196	P	H
		5125.84	46.28	-7.72	54	31.15	33.2	11.32	29.39	125	196	A	H
	*	5220	101.53	-	-	86.34	33.16	11.41	29.38	125	196	P	H
	*	5220	94.61	-	-	79.42	33.16	11.41	29.38	125	196	A	H
		5428.08	54.36	-19.64	74	39.18	32.96	11.58	29.36	125	196	P	H
		5453.56	45.3	-8.7	54	30.04	33	11.62	29.36	125	196	A	H
													H
													H
		5033.54	55.79	-18.21	74	40.64	33.33	11.23	29.41	150	172	P	V
		5117.26	46.22	-7.78	54	31.11	33.2	11.31	29.4	150	172	A	V
	*	5220	101.64	-	-	86.45	33.16	11.41	29.38	150	172	P	V
	*	5220	95.49	-	-	80.3	33.16	11.41	29.38	150	172	A	V
		5458.32	53.85	-20.15	74	38.58	33	11.63	29.36	150	172	P	V
		5458.04	45.31	-8.69	54	30.04	33	11.63	29.36	150	172	A	V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		5054.08	55.88	-18.12	74	40.65	33.38	11.25	29.4	106	178	P	H
		5071.5	46.14	-7.86	54	30.96	33.31	11.27	29.4	106	178	A	H
	*	5240	102.54	-	-	87.37	33.12	11.43	29.38	106	178	P	H
	*	5240	95.64	-	-	80.47	33.12	11.43	29.38	106	178	A	H
		5433.96	53.88	-20.12	74	38.68	32.97	11.59	29.36	106	178	P	H
		5458.6	45.47	-8.53	54	30.19	33	11.63	29.35	106	178	A	H
													H
													H
		5138.58	56.78	-17.22	74	41.63	33.2	11.34	29.39	223	176	P	V
		5101.92	46.22	-7.78	54	31.12	33.2	11.3	29.4	223	176	A	V
	*	5240	103.77	-	-	88.6	33.12	11.43	29.38	223	176	P	V
	*	5240	95.8	-	-	80.63	33.12	11.43	29.38	223	176	A	V
		5428.08	55.52	-18.48	74	40.34	32.96	11.58	29.36	223	176	P	V
		5451.88	45.44	-8.56	54	30.18	33	11.62	29.36	223	176	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.75	-20.45	68.2	58.84	38.88	16.56	66.53	-	-	P	H
		15540	47.72	-26.28	74	55.3	38.4	20.36	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	46.4	-21.8	68.2	57.49	38.88	16.56	66.53	-	-	P	V
		15540	46.71	-27.29	74	54.29	38.4	20.36	66.34	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	47.34	-20.86	68.2	58.46	38.72	16.63	66.47	-	-	P	H
		15660	46.86	-27.14	74	55.03	37.8	20.42	66.39	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	46.36	-21.84	68.2	57.48	38.72	16.63	66.47	-	-	P	V
		15660	47.94	-26.06	74	56.11	37.8	20.42	66.39	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	46.26	-21.94	68.2	57.34	38.7	16.66	66.44	-	-	P	H
		15720	47.76	-26.24	74	55.8	37.92	20.46	66.42	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 48 5240MHz													H
		10480	46.57	-21.63	68.2	57.65	38.7	16.66	66.44	-	-	P	V
		15720	47.28	-26.72	74	55.32	37.92	20.46	66.42	-	-	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 HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5139.62	55.17	-18.83	74	40.02	33.2	11.34	29.39	170	217	P	H
		5143.52	46.44	-7.56	54	31.29	33.2	11.34	29.39	170	217	A	H
	*	5180	100.32	-	-	85.13	33.2	11.38	29.39	170	217	P	H
	*	5180	93.69	-	-	78.5	33.2	11.38	29.39	170	217	A	H
802.11n													H
HT20													H
CH 36		5053.82	55.17	-18.83	74	39.94	33.38	11.25	29.4	169	180	P	V
5180MHz		5148.46	46.52	-7.48	54	31.36	33.2	11.35	29.39	169	180	A	V
	*	5180	101.86	-	-	86.67	33.2	11.38	29.39	169	180	P	V
	*	5180	95.06	-	-	79.87	33.2	11.38	29.39	169	180	A	V
													V
													V
		5067.34	55.03	-18.97	74	39.84	33.33	11.26	29.4	208	184	P	H
		5143	46.14	-7.86	54	30.99	33.2	11.34	29.39	208	184	A	H
	*	5220	101.93	-	-	86.74	33.16	11.41	29.38	208	184	P	H
	*	5220	94.7	-	-	79.51	33.16	11.41	29.38	208	184	A	H
802.11n		5421.36	53.88	-20.12	74	38.73	32.94	11.57	29.36	208	184	P	H
HT20		5456.08	45.45	-8.55	54	30.18	33	11.63	29.36	208	184	A	H
CH 44		5028.08	56.05	-17.95	74	40.93	33.31	11.22	29.41	176	184	P	V
5220MHz		5067.08	46.24	-7.76	54	31.05	33.33	11.26	29.4	176	184	A	V
	*	5220	101.89	-	-	86.7	33.16	11.41	29.38	176	184	P	V
	*	5220	94.81	-	-	79.62	33.16	11.41	29.38	176	184	A	V
		5371.24	54.22	-19.78	74	39.11	32.96	11.52	29.37	176	184	P	V
		5453.28	45.29	-8.71	54	30.03	33	11.62	29.36	176	184	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 48 5240MHz		5000	56.22	-17.78	74	41.24	33.2	11.19	29.41	253	159	P	H
		5129.74	46.35	-7.65	54	31.21	33.2	11.33	29.39	253	159	A	H
	*	5240	102.31	-	-	87.14	33.12	11.43	29.38	253	159	P	H
	*	5240	96.18	-	-	81.01	33.12	11.43	29.38	253	159	A	H
		5419.68	54.47	-19.53	74	39.32	32.94	11.57	29.36	253	159	P	H
		5458.04	45.51	-8.49	54	30.24	33	11.63	29.36	253	159	A	H
		5135.46	56.07	-17.93	74	40.93	33.2	11.33	29.39	286	170	P	V
		5066.3	46.46	-7.54	54	31.27	33.33	11.26	29.4	286	170	A	V
	*	5240	102.5	-	-	87.33	33.12	11.43	29.38	286	170	P	V
	*	5240	95.04	-	-	79.87	33.12	11.43	29.38	286	170	A	V
		5449.36	54.25	-19.75	74	38.99	33	11.62	29.36	286	170	P	V
		5459.44	45.56	-8.44	54	30.28	33	11.63	29.35	286	170	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	46.27	-21.93	68.2	57.36	38.88	16.56	66.53	-	-	P	H
		15540	47.44	-26.56	74	55.02	38.4	20.36	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 36		10360	46.07	-22.13	68.2	57.16	38.88	16.56	66.53	-	-	P	V
5180MHz		15540	46.91	-27.09	74	54.49	38.4	20.36	66.34	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	46.55	-21.65	68.2	57.67	38.72	16.63	66.47	-	-	P	H
		15660	46.87	-27.13	74	55.04	37.8	20.42	66.39	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
i802.11n													H
HT20													H
CH 44		10440	46.86	-21.34	68.2	57.98	38.72	16.63	66.47	-	-	P	V
5220MHz		15660	47.19	-26.81	74	55.36	37.8	20.42	66.39	-	-	P	V
													V
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WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	46.65	-21.55	68.2	57.73	38.7	16.66	66.44	-	-	P	H
		15720	47.67	-26.33	74	55.71	37.92	20.46	66.42	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 48		10480	46.08	-22.12	68.2	57.16	38.7	16.66	66.44	-	-	P	V
5240MHz		15720	46.89	-27.11	74	54.93	37.92	20.46	66.42	-	-	P	V
													V
													V
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													V
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													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5147.94	59.14	-14.86	74	43.98	33.2	11.35	29.39	247	116	P	H
		5146.9	47.77	-6.23	54	32.62	33.2	11.34	29.39	247	116	A	H
	*	5190	99.44	-	-	84.24	33.2	11.39	29.39	247	116	P	H
	*	5190	93.01	-	-	77.81	33.2	11.39	29.39	247	116	A	H
		5361.44	54.33	-19.67	74	39.21	32.98	11.51	29.37	247	116	P	H
		5452.44	45.9	-8.1	54	30.64	33	11.62	29.36	247	116	A	H
		5147.68	56.41	-17.59	74	41.25	33.2	11.35	29.39	221	202	P	V
		5149.5	47.3	-6.7	54	32.14	33.2	11.35	29.39	221	202	A	V
	*	5190	99.21	-	-	84.01	33.2	11.39	29.39	221	202	P	V
	*	5190	92.49	-	-	77.29	33.2	11.39	29.39	221	202	A	V
		5433.68	53.92	-20.08	74	38.72	32.97	11.59	29.36	221	202	P	V
		5432.28	45.71	-8.29	54	30.52	32.96	11.59	29.36	221	202	A	V
802.11n HT40 CH 46 5230MHz		5108.16	55.49	-18.51	74	40.39	33.2	11.3	29.4	271	181	P	H
		5063.7	46.8	-7.2	54	31.59	33.35	11.26	29.4	271	181	A	H
	*	5230	99.19	-	-	84.01	33.14	11.42	29.38	271	181	P	H
	*	5230	93.18	-	-	78	33.14	11.42	29.38	271	181	A	H
		5366.76	54.25	-19.75	74	39.13	32.97	11.52	29.37	271	181	P	H
		5440.68	45.77	-8.23	54	30.55	32.98	11.6	29.36	271	181	A	H
		5112.58	56.37	-17.63	74	41.26	33.2	11.31	29.4	285	173	P	V
		5058.76	46.86	-7.14	54	31.65	33.36	11.25	29.4	285	173	A	V
	*	5230	99.46	-	-	84.28	33.14	11.42	29.38	285	173	P	V
	*	5230	92.74	-	-	77.56	33.14	11.42	29.38	285	173	A	V
		5409.04	54.66	-19.34	74	39.55	32.92	11.55	29.36	285	173	P	V
		5455.24	45.78	-8.22	54	30.51	33	11.63	29.36	285	173	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	46.07	-22.13	68.2	57.17	38.84	16.58	66.52	-	-	P	H
		15570	47.81	-26.19	74	55.47	38.32	20.37	66.35	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 38		10380	46.45	-21.75	68.2	57.55	38.84	16.58	66.52	-	-	P	V
5190MHz		15570	48.24	-25.76	74	55.9	38.32	20.37	66.35	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	46.49	-21.71	68.2	57.59	38.7	16.65	66.45	-	-	P	H
		15690	47.71	-26.29	74	55.88	37.8	20.44	66.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 46		10460	46.12	-22.08	68.2	57.22	38.7	16.65	66.45	-	-	P	V
5230MHz		15690	47.86	-26.14	74	56.03	37.8	20.44	66.41	-	-	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.

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5143	57.08	-16.92	74	41.93	33.2	11.34	29.39	257	114	P	H
		5149.24	48.91	-5.09	54	33.75	33.2	11.35	29.39	257	114	A	H
	*	5210	96.3	-	-	81.09	33.18	11.41	29.38	257	114	P	H
	*	5210	89.62	-	-	74.41	33.18	11.41	29.38	257	114	A	H
		5437.32	54.46	-19.54	74	39.25	32.97	11.6	29.36	257	114	P	H
		5452.44	46.22	-7.78	54	30.96	33	11.62	29.36	257	114	A	H
		5014.3	56.24	-17.76	74	41.18	33.26	11.21	29.41	207	202	P	V
		5150.02	47.92	-102.08	150	32.76	33.2	11.35	29.39	207	202	A	V
	*	5210	96.45	-	-	81.24	33.18	11.41	29.38	207	202	P	V
	*	5210	88.63	-	-	73.42	33.18	11.41	29.38	207	202	A	V
		5443.76	53.79	-20.21	74	38.55	32.99	11.61	29.36	207	202	P	V
		5422.2	46.58	-7.42	54	31.43	32.94	11.57	29.36	207	202	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.97	-21.23	68.2	58.08	38.76	16.61	66.48	-	-	P	H
		15630	46.55	-27.45	74	54.56	37.96	20.41	66.38	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 42		10420	46.93	-21.27	68.2	58.04	38.76	16.61	66.48	-	-	P	V
5210MHz		15630	47.1	-26.9	74	55.11	37.96	20.41	66.38	-	-	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. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5066.98	55.83	-18.17	74	40.64	33.33	11.26	29.4	258	159	P	H
		5089.42	46.4	-7.6	54	31.28	33.24	11.28	29.4	258	159	A	H
	*	5260	103.96	-	-	88.8	33.1	11.44	29.38	258	159	P	H
	*	5260	96.87	-	-	81.71	33.1	11.44	29.38	258	159	A	H
		5449.92	54.58	-19.42	74	39.32	33	11.62	29.36	258	159	P	H
		5456.16	45.45	-8.55	54	30.18	33	11.63	29.36	258	159	A	H
													H
		5053.38	56.42	-17.58	74	41.18	33.39	11.25	29.4	214	195	P	V
		5100.64	46.39	-7.61	54	31.29	33.2	11.3	29.4	214	195	A	V
	*	5260	102.37	-	-	87.21	33.1	11.44	29.38	214	195	P	V
	*	5260	95.61	-	-	80.45	33.1	11.44	29.38	214	195	A	V
		5450.88	53.92	-20.08	74	38.66	33	11.62	29.36	214	195	P	V
		5430.24	45.49	-8.51	54	30.3	32.96	11.59	29.36	214	195	A	V
													V
802.11a CH 60 5300MHz		5082.62	55.73	-18.27	74	40.58	33.27	11.28	29.4	264	180	P	H
		5053.04	46.48	-7.52	54	31.24	33.39	11.25	29.4	264	180	A	H
	*	5300	104.23	-	-	89.03	33.1	11.47	29.37	264	180	P	H
	*	5300	97.1	-	-	81.9	33.1	11.47	29.37	264	180	A	H
		5422.56	54.31	-19.69	74	39.15	32.95	11.57	29.36	264	180	P	H
		5351.76	45.48	-8.52	54	30.34	33	11.51	29.37	264	180	A	H
													H
		5121.04	56.27	-17.73	74	41.15	33.2	11.32	29.4	239	175	P	V
		5072.42	46.41	-7.59	54	31.23	33.31	11.27	29.4	239	175	A	V
	*	5300	103.19	-	-	87.99	33.1	11.47	29.37	239	175	P	V
	*	5300	95.8	-	-	80.6	33.1	11.47	29.37	239	175	A	V
		5439.12	54.46	-19.54	74	39.24	32.98	11.6	29.36	239	175	P	V
		5433.6	45.52	-8.48	54	30.32	32.97	11.59	29.36	239	175	A	V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz	*	5320	104.36	-	-	89.19	33.06	11.48	29.37	261	177	P	H
	*	5320	97.35	-	-	82.18	33.06	11.48	29.37	261	177	A	H
		5444.8	55.11	-18.89	74	39.87	32.99	11.61	29.36	261	177	P	H
		5351.2	45.97	-8.03	54	30.83	33	11.51	29.37	261	177	A	H
													H
													H
	*	5320	101.53	-	-	86.36	33.06	11.48	29.37	271	170	P	V
	*	5320	94.86	-	-	79.69	33.06	11.48	29.37	271	170	A	V
		5355.2	55.38	-18.62	74	40.25	32.99	11.51	29.37	271	170	P	V
		5352.64	45.74	-8.26	54	30.61	32.99	11.51	29.37	271	170	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	47.09	-21.11	68.2	58.04	38.74	16.7	66.39	-	-	P	H
		15780	47.89	-26.11	74	55.81	38.04	20.49	66.45	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	47.23	-20.97	68.2	58.18	38.74	16.7	66.39	-	-	P	V
		15780	47.83	-26.17	74	55.75	38.04	20.49	66.45	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	47.68	-26.32	74	58.17	39	16.77	66.26	-	-	P	H
		15900	46.41	-27.59	74	54.46	37.9	20.55	66.5	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
i802.11a CH 60 5300MHz													H
		10600	47.8	-26.2	74	58.29	39	16.77	66.26	-	-	P	V
		15900	46.88	-27.12	74	54.93	37.9	20.55	66.5	-	-	P	V
													V
													V
													V
													V
													V
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													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	46.8	-27.2	74	57.04	39.16	16.8	66.2	-	-	P	H
		15960	47.35	-26.65	74	55.5	37.8	20.58	66.53	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz													H
		10640	46.71	-27.29	74	56.95	39.16	16.8	66.2	-	-	P	V
		15960	47.17	-26.83	74	55.32	37.8	20.58	66.53	-	-	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. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5105.74	56.9	-17.1	74	41.8	33.2	11.3	29.4	265	182	P	H
		5051.34	46.52	-7.48	54	31.29	33.39	11.24	29.4	265	182	A	H
	*	5260	103.34	-	-	88.18	33.1	11.44	29.38	265	182	P	H
	*	5260	95.92	-	-	80.76	33.1	11.44	29.38	265	182	A	H
802.11n		5397.84	53.88	-20.12	74	38.8	32.9	11.54	29.36	265	182	P	H
HT20		5453.76	45.53	-8.47	54	30.27	33	11.62	29.36	265	182	A	H
CH 52		5008.16	55.93	-18.07	74	40.91	33.23	11.2	29.41	224	195	P	V
5260MHz		5047.6	46.51	-7.49	54	31.28	33.39	11.24	29.4	224	195	A	V
	*	5260	102.36	-	-	87.2	33.1	11.44	29.38	224	195	P	V
	*	5260	94.91	-	-	79.75	33.1	11.44	29.38	224	195	A	V
		5392.32	55.05	-18.95	74	39.96	32.92	11.53	29.36	224	195	P	V
		5441.04	45.38	-8.62	54	30.16	32.98	11.6	29.36	224	195	A	V
		5030.26	55.34	-18.66	74	40.21	33.32	11.22	29.41	269	182	P	H
		5082.96	46.53	-7.47	54	31.38	33.27	11.28	29.4	269	182	A	H
	*	5300	103.25	-	-	88.05	33.1	11.47	29.37	269	182	P	H
	*	5300	96.26	-	-	81.06	33.1	11.47	29.37	269	182	A	H
802.11n		5374.32	54.08	-19.92	74	38.98	32.95	11.52	29.37	269	182	P	H
HT20		5451.84	45.47	-8.53	54	30.21	33	11.62	29.36	269	182	A	H
CH 60		5033.66	55.35	-18.65	74	40.2	33.33	11.23	29.41	236	174	P	V
5300MHz		5106.42	46.58	-7.42	54	31.48	33.2	11.3	29.4	236	174	A	V
	*	5300	102.37	-	-	87.17	33.1	11.47	29.37	236	174	P	V
	*	5300	95.18	-	-	79.98	33.1	11.47	29.37	236	174	A	V
		5370.72	53.89	-20.11	74	38.78	32.96	11.52	29.37	236	174	P	V
		5448.48	45.36	-8.64	54	30.1	33	11.62	29.36	236	174	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5320	103.51	-	-	88.34	33.06	11.48	29.37	269	195	P	H
	*	5320	95.98	-	-	80.81	33.06	11.48	29.37	269	195	A	H
		5444	55.3	-18.7	74	40.06	32.99	11.61	29.36	269	195	P	H
		5354.88	46.01	-7.99	54	30.88	32.99	11.51	29.37	269	195	A	H
802.11n													H
HT20													H
CH 64	*	5320	101.41	-	-	86.24	33.06	11.48	29.37	244	178	P	V
5320MHz	*	5320	94.53	-	-	79.36	33.06	11.48	29.37	244	178	A	V
		5452	55.99	-18.01	74	40.73	33	11.62	29.36	244	178	P	V
		5351.04	45.56	-8.44	54	30.42	33	11.51	29.37	244	178	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	47.1	-21.1	68.2	58.05	38.74	16.7	66.39	-	-	P	H
		15780	47.78	-26.22	74	55.7	38.04	20.49	66.45	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 52		10520	46.81	-21.39	68.2	57.76	38.74	16.7	66.39	-	-	P	V
5260MHz		15780	47.86	-26.14	74	55.78	38.04	20.49	66.45	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	47.3	-26.7	74	57.79	39	16.77	66.26	-	-	P	H
		15900	46.96	-27.04	74	55.01	37.9	20.55	66.5	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 60		10600	48.88	-25.12	74	59.37	39	16.77	66.26	146	270	P	V
5300MHz		10600	38.93	-15.07	54	49.42	39	16.77	66.26	146	270	A	V
		15900	46.16	-27.84	74	54.21	37.9	20.55	66.5	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	46.81	-27.19	74	57.05	39.16	16.8	66.2	-	-	P	H
		15960	46.9	-27.1	74	55.05	37.8	20.58	66.53	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 64		10640	47.19	-26.81	74	57.43	39.16	16.8	66.2	-	-	P	V
5320MHz		15960	46.8	-27.2	74	54.95	37.8	20.58	66.53	-	-	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 HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5025.84	55.27	-18.73	74	40.16	33.3	11.22	29.41	254	198	P	H
		5061.2	47.06	-6.94	54	31.85	33.36	11.25	29.4	254	198	A	H
	*	5270	99.6	-	-	84.43	33.1	11.45	29.38	254	198	P	H
	*	5270	93.13	-	-	77.96	33.1	11.45	29.38	254	198	A	H
		5390.64	55.01	-18.99	74	39.92	32.92	11.53	29.36	254	198	P	H
		5451.84	45.87	-8.13	54	30.61	33	11.62	29.36	254	198	A	H
		5131.24	56.4	-17.6	74	41.26	33.2	11.33	29.39	225	179	P	V
		5068	46.9	-7.1	54	31.71	33.33	11.26	29.4	225	179	A	V
	*	5270	100.08	-	-	84.91	33.1	11.45	29.38	225	179	P	V
	*	5270	92.82	-	-	77.65	33.1	11.45	29.38	225	179	A	V
		5353.44	54.83	-19.17	74	39.7	32.99	11.51	29.37	225	179	P	V
		5454.24	45.84	-8.16	54	30.58	33	11.62	29.36	225	179	A	V
802.11n HT40 CH 62 5310MHz		5032.64	55.73	-18.27	74	40.59	33.33	11.22	29.41	265	180	P	H
		5062.22	47.05	-6.95	54	31.84	33.35	11.26	29.4	265	180	A	H
	*	5310	101.57	-	-	86.38	33.08	11.48	29.37	265	180	P	H
	*	5310	94.11	-	-	78.92	33.08	11.48	29.37	265	180	A	H
		5350.56	59.84	-14.16	74	44.7	33	11.51	29.37	265	180	P	H
		5350.08	48.02	-5.98	54	32.88	33	11.51	29.37	265	180	A	H
		5038.42	55.16	-18.84	74	39.99	33.35	11.23	29.41	237	176	P	V
		5048.62	46.92	-7.08	54	31.69	33.39	11.24	29.4	237	176	A	V
	*	5310	99.16	-	-	83.98	33.07	11.48	29.37	237	176	P	V
	*	5310	92.88	-	-	77.7	33.07	11.48	29.37	237	176	A	V
		5350.32	56.52	-17.48	74	41.38	33	11.51	29.37	237	176	P	V
		5350.8	47.29	-6.71	54	32.15	33	11.51	29.37	237	176	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	47.62	-20.58	68.2	58.49	38.78	16.71	66.36	-	-	P	H
		15810	47.18	-26.82	74	55.16	37.98	20.5	66.46	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 54		10540	46.1	-22.1	68.2	56.97	38.78	16.71	66.36	-	-	P	V
5270MHz		15810	47.26	-26.74	74	55.24	37.98	20.5	66.46	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	47.66	-26.34	74	58.03	39.08	16.78	66.23	-	-	P	H
		15930	47.29	-26.71	74	55.41	37.84	20.56	66.52	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 62		10620	47.31	-26.69	74	57.68	39.08	16.78	66.23	-	-	P	V
5310MHz		15930	46.68	-27.32	74	54.8	37.84	20.56	66.52	-	-	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5047.26	55.73	-18.27	74	40.5	33.39	11.24	29.4	259	182	P	H
		5075.14	47.61	-6.39	54	32.44	33.3	11.27	29.4	259	182	A	H
	*	5290	97.36	-	-	82.18	33.1	11.46	29.38	259	182	P	H
	*	5290	89.83	-	-	74.65	33.1	11.46	29.38	259	182	A	H
		5377.2	58.89	-15.11	74	43.78	32.95	11.52	29.36	259	182	P	H
		5351.04	49.9	-4.1	54	34.76	33	11.51	29.37	259	182	A	H
		5089.76	56	-18	74	40.88	33.24	11.28	29.4	232	174	P	V
		5049.98	47.3	-6.7	54	32.06	33.4	11.24	29.4	232	174	A	V
	*	5290	97.51	-	-	82.33	33.1	11.46	29.38	232	174	P	V
	*	5290	89.24	-	-	74.06	33.1	11.46	29.38	232	174	A	V
		5381.52	57.61	-16.39	74	42.5	32.94	11.53	29.36	232	174	P	V
		5350.56	48.97	-5.03	54	33.83	33	11.51	29.37	232	174	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.4	-21.8	68.2	57.03	38.92	16.75	66.3	-	-	P	H
		15870	47.57	-26.43	74	55.62	37.9	20.54	66.49	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 58		10580	46.2	-22	68.2	56.83	38.92	16.75	66.3	-	-	P	V
5290MHz		15870	47.86	-26.14	74	55.91	37.9	20.54	66.49	-	-	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.6	54.53	-19.47	74	39.25	33	11.63	29.35	199	165	P	H
		5462.48	55.4	-12.8	68.2	40.11	33	11.64	29.35	199	165	P	H
		5459.76	46.17	-7.83	54	30.89	33	11.63	29.35	199	165	A	H
	*	5500	105.78	-	-	90.44	33	11.69	29.35	199	165	P	H
	*	5500	99.16	-	-	83.82	33	11.69	29.35	199	165	A	H
													H
		5403.44	54.89	-19.11	74	39.79	32.91	11.55	29.36	198	170	P	V
		5468.24	54.13	-14.07	68.2	38.83	33	11.65	29.35	198	170	P	V
		5452.72	46.1	-7.9	54	30.84	33	11.62	29.36	198	170	A	V
	*	5500	103.84	-	-	88.5	33	11.69	29.35	198	170	P	V
	*	5500	97.44	-	-	82.1	33	11.69	29.35	198	170	A	V
													V
802.11a CH 116 5580MHz		5380.48	53.39	-20.61	74	38.28	32.94	11.53	29.36	123	205	P	H
		5461.84	53.3	-14.9	68.2	38.01	33	11.64	29.35	123	205	P	H
		5445.76	45.49	-8.51	54	30.25	32.99	11.61	29.36	123	205	A	H
	*	5580	104.27	-	-	88.72	33.1	11.82	29.37	123	205	P	H
	*	5580	97.33	-	-	81.78	33.1	11.82	29.37	123	205	A	H
		5747.36	55.36	-12.84	68.2	39.02	33.77	11.97	29.4	123	205	P	H
		5417.44	54.07	-19.93	74	38.93	32.93	11.57	29.36	108	340	P	V
		5469.52	52.67	-15.53	68.2	37.37	33	11.65	29.35	108	340	P	V
		5455.36	45.38	-8.62	54	30.11	33	11.63	29.36	108	340	A	V
	*	5580	72.4	-	-	56.85	33.1	11.82	29.37	108	340	P	V
	*	5580	65.26	-	-	49.71	33.1	11.82	29.37	108	340	A	V
		5764.37	55.29	-12.91	68.2	38.82	33.89	11.98	29.4	108	340	P	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz	*	5700	105.1	-	-	89.26	33.3	11.93	29.39	186	184	P	H
	*	5700	98.04	-	-	82.2	33.3	11.93	29.39	186	184	A	H
		5727.08	59.32	-8.88	68.2	43.2	33.57	11.95	29.4	186	184	P	H
													H
													H
													H
	*	5700	101.56	-	-	85.72	33.3	11.93	29.39	294	175	P	V
	*	5700	94.62	-	-	78.78	33.3	11.93	29.39	294	175	A	V
		5764.84	57.35	-10.85	68.2	40.88	33.89	11.98	29.4	294	175	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.16	-26.84	74	56.9	38.8	17.1	65.64	-	-	P	H
		16500	48.07	-20.13	68.2	55.17	38.6	21.22	66.92	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	47.25	-26.75	74	56.99	38.8	17.1	65.64	-	-	P	V
		16500	48.3	-19.9	68.2	55.4	38.6	21.22	66.92	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	46.74	-27.26	74	56.28	38.92	17.22	65.68	-	-	P	H
		16740	48.01	-20.19	68.2	54.66	38.24	21.52	66.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	47.09	-26.91	74	56.63	38.92	17.22	65.68	-	-	P	V
		16740	47.89	-20.31	68.2	54.54	38.24	21.52	66.41	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	47.45	-26.55	74	56.58	39.2	17.41	65.74	-	-	P	H
		17100	48.09	-20.11	68.2	54.05	37.9	21.89	65.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz													H
		11400	47.48	-26.52	74	56.61	39.2	17.41	65.74	-	-	P	V
		17100	48.02	-20.18	68.2	53.98	37.9	21.89	65.75	-	-	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5436.72	55.74	-18.26	74	40.53	32.97	11.6	29.36	200	179	P	H
		5470	55.43	-12.77	68.2	40.13	33	11.65	29.35	200	179	P	H
		5459.6	46.33	-7.67	54	31.05	33	11.63	29.35	200	179	A	H
	*	5500	105.48	-	-	90.14	33	11.69	29.35	200	179	P	H
802.11n	*	5500	98.69	-	-	83.35	33	11.69	29.35	200	179	A	H
HT20													H
CH 100		5459.76	55.71	-18.29	74	40.43	33	11.63	29.35	205	189	P	V
5500MHz		5465.52	55.85	-12.35	68.2	40.56	33	11.64	29.35	205	189	P	V
		5454.8	46.16	-7.84	54	30.9	33	11.62	29.36	205	189	A	V
	*	5500	102.33	-	-	86.99	33	11.69	29.35	205	189	P	V
	*	5500	96.3	-	-	80.96	33	11.69	29.35	205	189	A	V
													V
		5410.48	54.68	-19.32	74	39.56	32.92	11.56	29.36	201	141	P	H
		5460.88	54.08	-14.12	68.2	38.8	33	11.63	29.35	201	141	P	H
		5455.36	45.4	-8.6	54	30.13	33	11.63	29.36	201	141	A	H
	*	5580	104.22	-	-	88.67	33.1	11.82	29.37	201	141	P	H
802.11n	*	5580	96.91	-	-	81.36	33.1	11.82	29.37	201	141	A	H
HT20		5730.665	55.86	-12.34	68.2	39.7	33.61	11.95	29.4	201	141	P	H
CH 116		5452.24	56.19	-17.81	74	40.93	33	11.62	29.36	188	172	P	V
5580MHz		5466.4	53.65	-14.55	68.2	38.36	33	11.64	29.35	188	172	P	V
		5456.56	45.47	-8.53	54	30.2	33	11.63	29.36	188	172	A	V
	*	5580	102.56	-	-	87.01	33.1	11.82	29.37	188	172	P	V
	*	5580	95.84	-	-	80.29	33.1	11.82	29.37	188	172	A	V
		5730.98	55.09	-13.11	68.2	38.93	33.61	11.95	29.4	188	172	P	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5700	103.92	-	-	88.08	33.3	11.93	29.39	196	181	P	H
	*	5700	96.7	-	-	80.86	33.3	11.93	29.39	196	181	A	H
		5725.16	60.88	-7.32	68.2	44.78	33.55	11.95	29.4	196	181	P	H
	*	5700	102.5	-	-	86.66	33.3	11.93	29.39	285	178	P	H
802.11n	*	5700	95.12	-	-	79.28	33.3	11.93	29.39	285	178	A	H
HT20		5725.64	58.71	-9.49	68.2	42.6	33.56	11.95	29.4	285	178	P	H
CH 140													
5700MHz													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.4	-27.6	74	56.14	38.8	17.1	65.64	-	-	P	H
		16500	47.71	-20.49	68.2	54.81	38.6	21.22	66.92	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 100		11000	46.99	-27.01	74	56.73	38.8	17.1	65.64	-	-	P	V
5500MHz		16500	47.85	-20.35	68.2	54.95	38.6	21.22	66.92	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	47.28	-26.72	74	56.82	38.92	17.22	65.68	-	-	P	H
		16740	48.19	-20.01	68.2	54.84	38.24	21.52	66.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 116		11160	47.74	-26.26	74	57.28	38.92	17.22	65.68	-	-	P	V
5580MHz		16740	47.51	-20.69	68.2	54.16	38.24	21.52	66.41	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	47.56	-26.44	74	56.69	39.2	17.41	65.74	-	-	P	H
		17100	47.53	-20.67	68.2	53.49	37.9	21.89	65.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 140		11400	47.13	-26.87	74	56.26	39.2	17.41	65.74	-	-	P	V
5700MHz		17100	47.35	-20.85	68.2	53.31	37.9	21.89	65.75	-	-	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.04	57.87	-16.13	74	42.6	33	11.63	29.36	199	163	P	H
		5470	63.86	-4.34	68.2	48.56	33	11.65	29.35	199	163	P	H
		5457.76	46.98	-7.02	54	31.71	33	11.63	29.36	199	163	A	H
	*	5510	103.53	-	-	88.15	33.02	11.71	29.35	199	163	P	H
802.11n	*	5510	96.67	-	-	81.29	33.02	11.71	29.35	199	163	A	H
HT40		5730.35	55.92	-12.28	68.2	39.77	33.6	11.95	29.4	199	163	P	H
CH 102		5459.68	58.08	-15.92	74	42.8	33	11.63	29.35	210	168	P	V
5510MHz		5469.52	60.91	-7.29	68.2	45.61	33	11.65	29.35	210	168	P	V
		5457.28	46.78	-7.22	54	31.51	33	11.63	29.36	210	168	A	V
	*	5510	101.71	-	-	86.33	33.02	11.71	29.35	210	168	P	V
	*	5510	94.81	-	-	79.43	33.02	11.71	29.35	210	168	A	V
		5742.32	56.4	-11.8	68.2	40.12	33.72	11.96	29.4	210	168	P	V
		5433.52	54.95	-19.05	74	39.75	32.97	11.59	29.36	191	166	P	H
		5461.36	54.18	-14.02	68.2	38.89	33	11.64	29.35	191	166	P	H
		5458.72	46.16	-7.84	54	30.88	33	11.63	29.35	191	166	A	H
	*	5550	104.35	-	-	88.84	33.1	11.77	29.36	191	166	P	H
802.11n	*	5550	97.59	-	-	82.08	33.1	11.77	29.36	191	166	A	H
HT40		5754.92	56.69	-11.51	68.2	40.29	33.83	11.97	29.4	191	166	P	H
CH 110		5440.24	56.63	-17.37	74	41.41	32.98	11.6	29.36	202	177	P	V
5550MHz		5470	53.7	-14.5	68.2	38.4	33	11.65	29.35	202	177	P	V
		5443.84	46.07	-7.93	54	30.83	32.99	11.61	29.36	202	177	A	V
	*	5550	101.74	-	-	86.23	33.1	11.77	29.36	202	177	P	V
	*	5550	94.41	-	-	78.9	33.1	11.77	29.36	202	177	A	V
		5749.88	55.73	-12.47	68.2	39.36	33.8	11.97	29.4	202	177	P	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 134 5670MHz		5453.95	54.69	-19.31	74	39.43	33	11.62	29.36	301	152	P	H
		5465.15	54.59	-13.61	68.2	39.3	33	11.64	29.35	301	152	P	H
		5450.8	45.73	-8.27	54	30.47	33	11.62	29.36	301	152	A	H
	*	5670	101.06	-	-	85.41	33.12	11.91	29.38	301	152	P	H
	*	5670	94.2	-	-	78.55	33.12	11.91	29.38	301	152	A	H
		5726.675	56.45	-11.75	68.2	40.33	33.57	11.95	29.4	301	152	P	H
		5431.55	54.67	-19.33	74	39.48	32.96	11.59	29.36	321	171	P	V
		5464.45	54.46	-13.74	68.2	39.17	33	11.64	29.35	321	171	P	V
		5444.5	45.74	-8.26	54	30.5	32.99	11.61	29.36	321	171	A	V
	*	5670	99.94	-	-	84.29	33.12	11.91	29.38	321	171	P	V
	*	5670	92.7	-	-	77.05	33.12	11.91	29.38	321	171	A	V
		5741.55	55.9	-12.3	68.2	39.62	33.72	11.96	29.4	321	171	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	46.27	-27.73	74	56	38.8	17.12	65.65	-	-	P	H
		16530	47.62	-20.58	68.2	54.74	38.48	21.26	66.86	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 102		11020	46.85	-27.15	74	56.58	38.8	17.12	65.65	-	-	P	V
5510MHz		16530	47.74	-20.46	68.2	54.86	38.48	21.26	66.86	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	47.19	-26.81	74	56.78	38.9	17.18	65.67	-	-	P	H
		16650	48.47	-19.73	68.2	55.26	38.4	21.41	66.6	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 110		11100	46.88	-27.12	74	56.47	38.9	17.18	65.67	-	-	P	V
5550MHz		16650	47.93	-20.27	68.2	54.72	38.4	21.41	66.6	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	46.69	-27.31	74	55.95	39.1	17.37	65.73	-	-	P	H
		17010	48.26	-19.94	68.2	54.43	37.84	21.84	65.85	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
i802.11n													H
HT40													H
CH 134		11340	47.95	-26.05	74	57.21	39.1	17.37	65.73	-	-	P	V
5670MHz		17010	47.49	-20.71	68.2	53.66	37.84	21.84	65.85	-	-	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.12	59.67	-14.33	74	44.4	33	11.63	29.36	199	161	P	H
		5467.84	59.31	-8.89	68.2	44.01	33	11.65	29.35	199	161	P	H
		5459.68	50.15	-3.85	54	34.87	33	11.63	29.35	199	161	A	H
	*	5530	100.27	-	-	84.83	33.06	11.74	29.36	199	161	P	H
802.11ac	*	5530	93.51	-	-	78.07	33.06	11.74	29.36	199	161	A	H
VHT80		5746.415	56.16	-12.04	68.2	39.83	33.76	11.97	29.4	199	161	P	H
CH 106		5453.68	57.89	-16.11	74	42.63	33	11.62	29.36	210	189	P	V
5530MHz		5468.8	58.95	-9.25	68.2	43.65	33	11.65	29.35	210	189	P	V
		5458.48	49.52	-4.48	54	34.24	33	11.63	29.35	210	189	A	V
	*	5530	97.36	-	-	81.92	33.06	11.74	29.36	210	189	P	V
	*	5530	90.42	-	-	74.98	33.06	11.74	29.36	210	189	A	V
		5752.4	55.78	-12.42	68.2	39.4	33.81	11.97	29.4	210	189	P	V
		5430.73	56.16	-17.84	74	40.97	32.96	11.59	29.36	188	185	P	H
		5469.73	56.11	-12.09	68.2	40.81	33	11.65	29.35	188	185	P	H
		5442.43	46.62	-7.38	54	31.39	32.98	11.61	29.36	188	185	A	H
	*	5610	100.81	-	-	85.24	33.08	11.86	29.37	188	185	P	H
802.11ac	*	5610	94.07	-	-	78.5	33.08	11.86	29.37	188	185	A	H
VHT80		5896.42	58.95	-9.25	68.2	41.84	34.29	12.25	29.43	188	185	P	H
CH 122		5374.96	56.36	-17.64	74	41.26	32.95	11.52	29.37	216	171	P	V
5610MHz		5465.44	55.83	-12.37	68.2	40.54	33	11.64	29.35	216	171	P	V
		5459.2	46.7	-7.3	54	31.42	33	11.63	29.35	216	171	A	V
	*	5610	97.47	-	-	81.9	33.08	11.86	29.37	216	171	P	V
	*	5610	90.49	-	-	74.92	33.08	11.86	29.37	216	171	A	V
		5920.74	58.92	-9.28	68.2	41.7	34.34	12.31	29.43	216	171	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.9	-26.1	74	57.59	38.82	17.15	65.66	-	-	P	H
		16590	48.3	-19.9	68.2	55.38	38.32	21.33	66.73	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 106		11060	46.42	-27.58	74	56.11	38.82	17.15	65.66	-	-	P	V
5530MHz		16590	49.16	-19.04	68.2	56.24	38.32	21.33	66.73	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	46.86	-27.14	74	56.21	39.08	17.27	65.7	-	-	P	H
		16830	48.01	-20.19	68.2	54.4	38.2	21.63	66.22	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 122		11220	47.26	-26.74	74	56.61	39.08	17.27	65.7	-	-	P	V
5610MHz		16830	48.16	-20.04	68.2	54.55	38.2	21.63	66.22	-	-	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 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5446.72	53.22	-20.78	74	37.98	32.99	11.61	29.36	182	167	P	H
		5470.12	54.24	-95.76	150	38.94	33	11.65	29.35	182	167	P	H
		5459.2	45.33	-8.67	54	30.05	33	11.63	29.35	182	167	A	H
	*	5720	103.68	-	-	87.62	33.5	11.95	29.39	182	167	P	H
	*	5720	97.59	-	-	81.53	33.5	11.95	29.39	182	167	A	H
		5914.25	56.82	-11.38	68.2	39.63	34.33	12.29	29.43	182	167	P	H
		5416.3	54.2	-19.8	74	39.06	32.93	11.57	29.36	299	174	P	V
		5460.76	53.31	-14.89	68.2	38.03	33	11.63	29.35	299	174	P	V
		5445.16	45.33	-8.67	54	30.09	32.99	11.61	29.36	299	174	A	V
	*	5720	101.75	-	-	85.69	33.5	11.95	29.39	299	174	P	V
	*	5720	94.69	-	-	78.63	33.5	11.95	29.39	299	174	A	V
		5896	55.84	-12.36	68.2	38.74	34.28	12.25	29.43	299	174	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	49.05	-24.95	74	58.24	39.12	17.44	65.75	400	359	P	H
		11440	38.53	-15.47	54	47.72	39.12	17.44	65.75	400	359	A	H
		17160	47.91	-20.29	68.2	53.55	38.14	21.91	65.69	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	47.33	-26.67	74	56.52	39.12	17.44	65.75	-	-	P	V
		17160	48.61	-19.59	68.2	54.25	38.14	21.91	65.69	-	-	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5403.43	53.53	-20.47	74	38.43	32.91	11.55	29.36	183	170	P	H
		5459.98	52.95	-21.05	74	37.67	33	11.63	29.35	183	170	P	H
		5457.64	45.4	-8.6	54	30.13	33	11.63	29.36	183	170	P	H
	*	5720	103.97	-	-	87.91	33.5	11.95	29.39	183	170	P	H
	*	5720	97.62	-	-	81.56	33.5	11.95	29.39	183	170	A	H
		5941.5	56.25	-11.95	68.2	38.95	34.38	12.36	29.44	183	170	P	H
		5452.57	54.81	-19.19	74	39.55	33	11.62	29.36	300	155	P	V
		5460.37	53.69	-14.51	68.2	38.41	33	11.63	29.35	300	155	P	V
		5444.77	45.32	-8.68	54	30.08	32.99	11.61	29.36	300	155	A	V
	*	5720	101.57	-	-	85.51	33.5	11.95	29.39	300	155	P	V
	*	5720	94.59	-	-	78.53	33.5	11.95	29.39	300	155	A	V
		5897.75	56.7	-11.5	68.2	39.59	34.29	12.25	29.43	300	155	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	47.96	-26.04	74	57.15	39.12	17.44	65.75	-	-	P	H
		17160	48.5	-19.7	68.2	54.14	38.14	21.91	65.69	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 144		11440	47.97	-26.03	74	57.16	39.12	17.44	65.75	-	-	P	V
5720MHz		17160	48.41	-19.79	68.2	54.05	38.14	21.91	65.69	-	-	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5458.81	53.8	-20.2	74	38.52	33	11.63	29.35	199	171	P	H
		5467.78	54.09	-14.11	68.2	38.79	33	11.65	29.35	199	171	P	H
		5451.79	46.17	-7.83	54	30.91	33	11.62	29.36	199	171	A	H
	*	5710	102.57	-	-	86.62	33.4	11.94	29.39	199	171	P	H
	*	5710	94.91	-	-	78.96	33.4	11.94	29.39	199	171	A	H
		5928.25	57.5	-10.7	68.2	40.26	34.36	12.32	29.44	199	171	P	H
		5395.24	53.84	-20.16	74	38.75	32.91	11.54	29.36	301	155	P	V
		5465.05	53.49	-14.71	68.2	38.2	33	11.64	29.35	301	155	P	V
		5440.09	45.68	-8.32	54	30.46	32.98	11.6	29.36	301	155	A	V
	*	5710	99.59	-	-	83.64	33.4	11.94	29.39	301	155	P	V
	*	5710	92.46	-	-	76.51	33.4	11.94	29.39	301	155	A	V
		5855.75	56.28	-11.92	68.2	39.43	34.12	12.15	29.42	301	155	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	47.4	-26.6	74	56.56	39.16	17.43	65.75	-	-	P	H
		17130	49.07	-19.13	68.2	54.87	38.02	21.9	65.72	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 142		11420	47.75	-26.25	74	56.91	39.16	17.43	65.75	-	-	P	V
5710MHz		17130	49.15	-19.05	68.2	54.95	38.02	21.9	65.72	-	-	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5459.59	55.25	-18.75	74	39.97	33	11.63	29.35	178	170	P	H
		5468.95	53.97	-14.23	68.2	38.67	33	11.65	29.35	178	170	P	H
		5435.02	46.11	-7.89	54	30.91	32.97	11.59	29.36	178	170	A	H
	*	5690	99.58	-	-	83.81	33.24	11.92	29.39	178	170	P	H
	*	5690	92.46	-	-	76.69	33.24	11.92	29.39	178	170	A	H
		5938.5	56.58	-11.62	68.2	39.29	34.38	12.35	29.44	178	170	P	H
		5425.66	53.4	-20.6	74	38.23	32.95	11.58	29.36	288	173	P	V
		5461.93	53.02	-15.18	68.2	37.73	33	11.64	29.35	288	173	P	V
		5443.99	46.48	-7.52	54	31.24	32.99	11.61	29.36	288	173	A	V
	*	5690	96.09	-	-	80.32	33.24	11.92	29.39	288	173	P	V
	*	5690	88.77	-	-	73	33.24	11.92	29.39	288	173	A	V
		5913	57.73	-10.47	68.2	40.54	34.33	12.29	29.43	288	173	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.64	-26.36	74	56.82	39.16	17.4	65.74	-	-	P	H
		17070	48.68	-19.52	68.2	54.63	37.96	21.87	65.78	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 138		11380	47.88	-26.12	74	57.06	39.16	17.4	65.74	-	-	P	V
5690MHz		17070	47.51	-20.69	68.2	53.46	37.96	21.87	65.78	-	-	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 below 1GHz

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		31.35	22.04	-17.96	40	29.87	23.86	0.76	32.45	-	-	P	H
		147.72	27.28	-16.22	43.5	40.62	17.35	1.73	32.42	-	-	P	H
		298.38	24.05	-21.95	46	34.63	19.2	2.63	32.41	-	-	P	H
		531.7	25.5	-20.5	46	30.67	24.05	3.38	32.6	-	-	P	H
		743.1	30.72	-15.28	46	30.87	28.12	4.27	32.54	-	-	P	H
		948.9	34.38	-11.62	46	30.3	30.75	4.86	31.53	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		38.64	33.68	-6.32	40	45.1	20.21	0.84	32.47	-	-	P	V
LF		186.87	23.38	-20.12	43.5	38.85	14.93	1.96	32.36	-	-	P	V
		259.77	21.68	-24.32	46	31.78	19.97	2.35	32.42	-	-	P	V
		400.8	25.21	-20.79	46	32.75	21.84	3.13	32.51	-	-	P	V
		785.8	30.59	-15.41	46	30.68	28.07	4.34	32.5	-	-	P	V
		942.6	33.27	-12.73	46	29.55	30.48	4.82	31.58	-	-	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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin (dB)

= LevμV/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

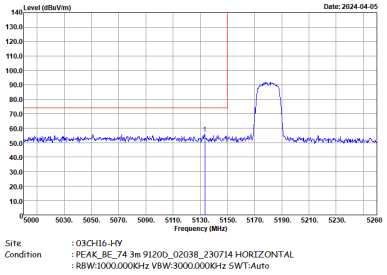
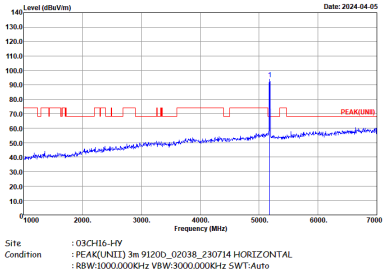
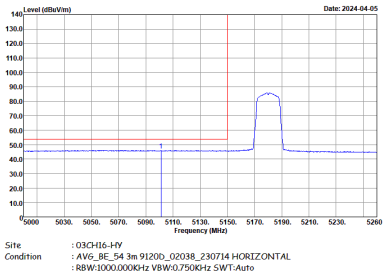
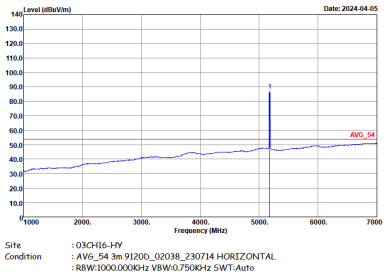
Test Engineer :	Bill Chang, Gary Guo and Steven Wu	**Temperature :**	18.2~20.2°C
		Relative Humidity :	54.2~56.1%

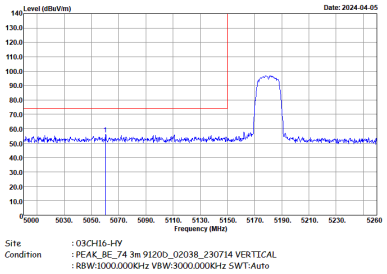
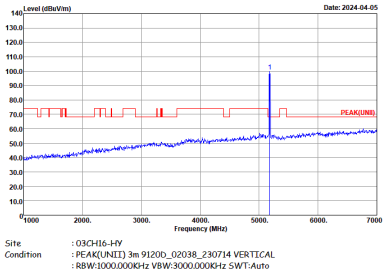
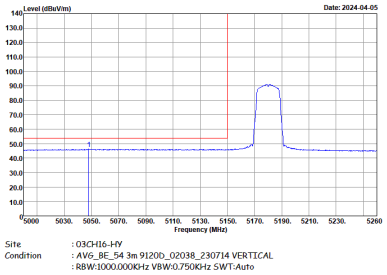
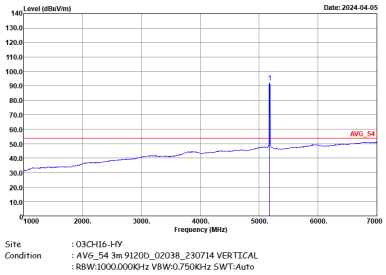
Note symbol

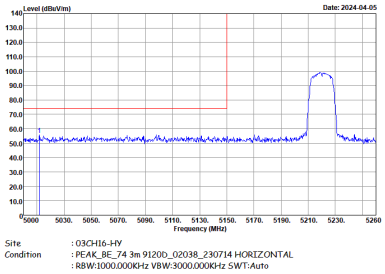
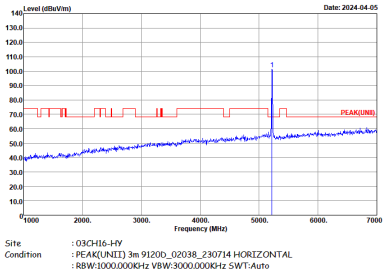
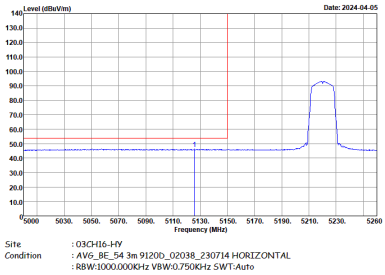
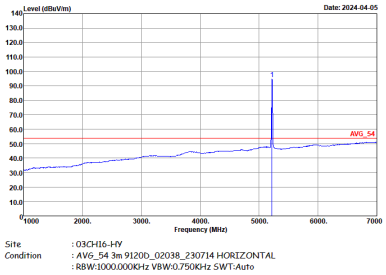
-L	**Low channel location**
-R	**High channel location**

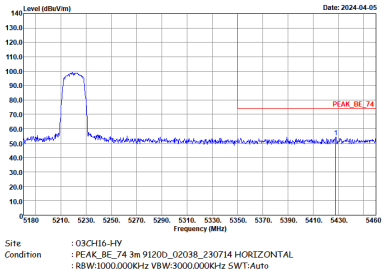
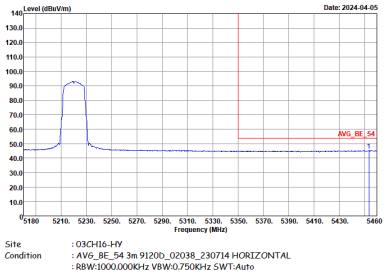
Band 1 - 5150~5250MHz

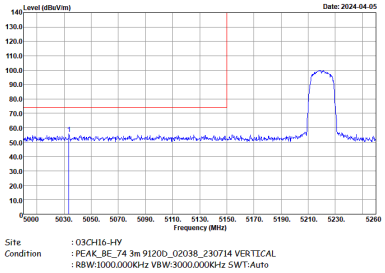
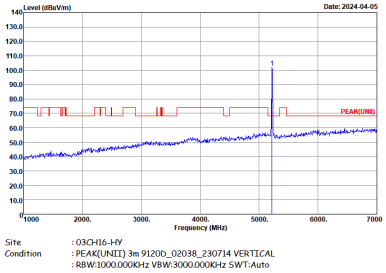
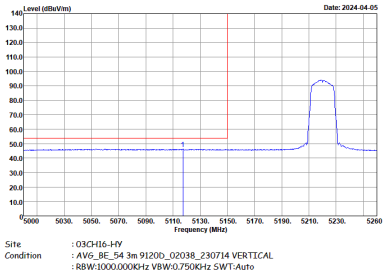
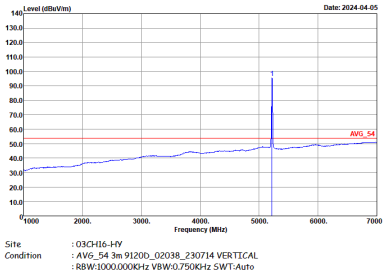
WIFI 802.11a (Band Edge @ 3m)

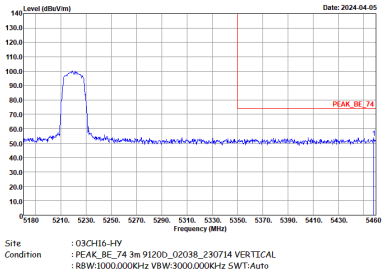
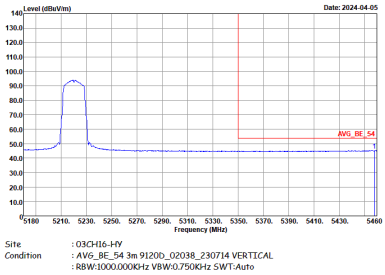
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

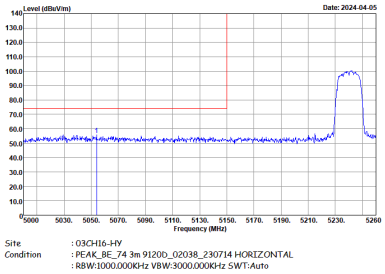
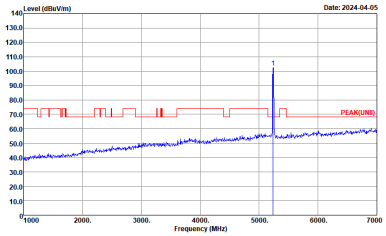
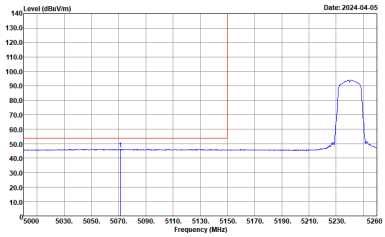
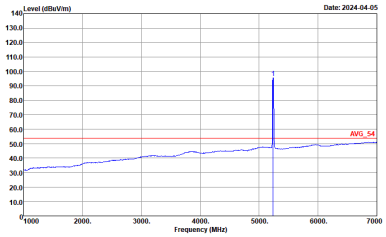
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		

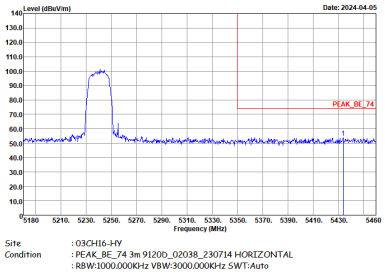
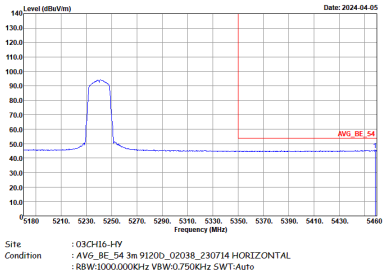
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

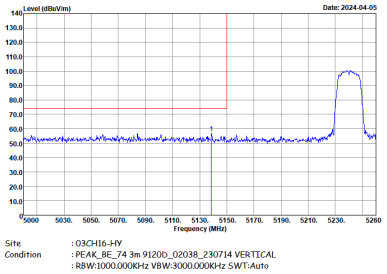
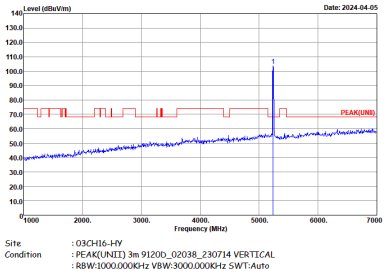
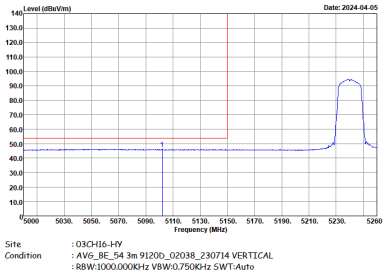
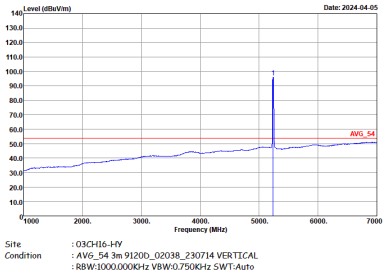
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

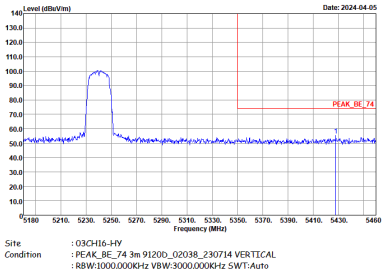
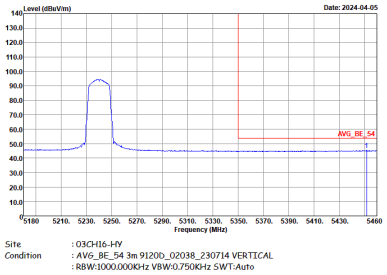
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

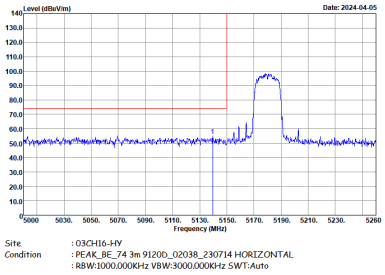
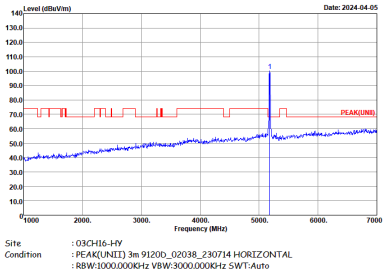
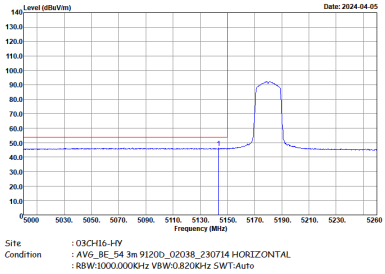
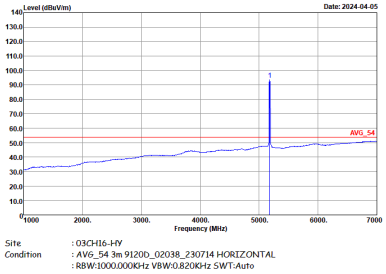
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

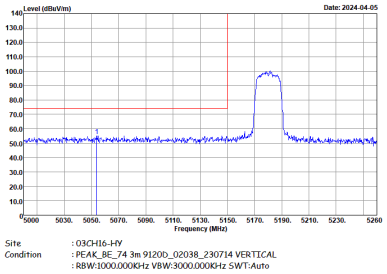
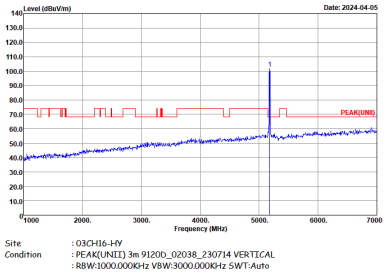
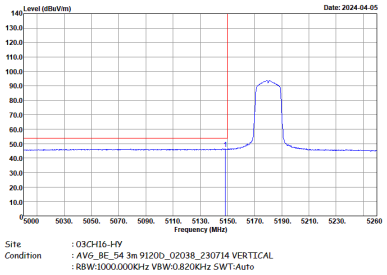
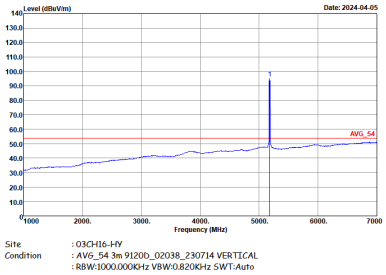
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

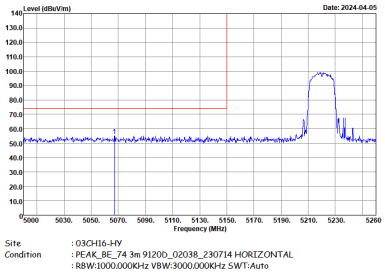
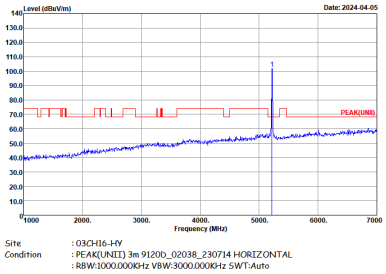
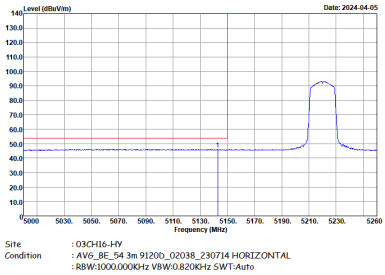
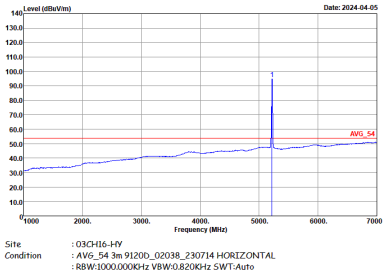
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

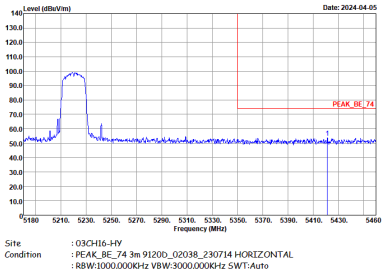
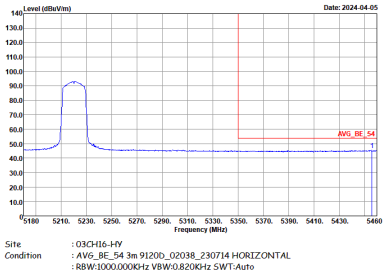
Band 1 5150~5250MHz

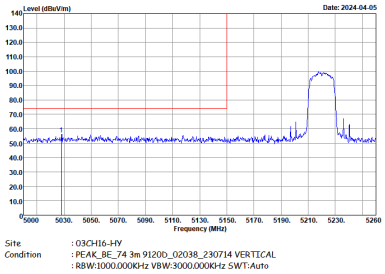
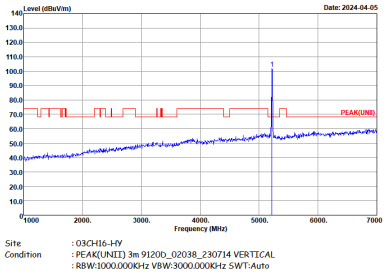
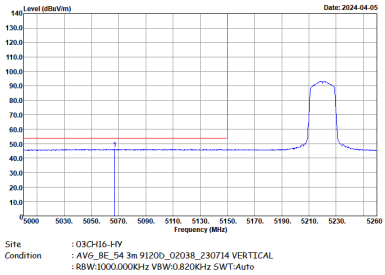
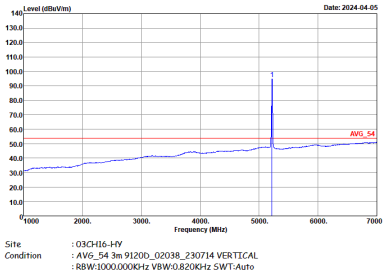
WIFI 802.11n HT20 (Band Edge @ 3m)

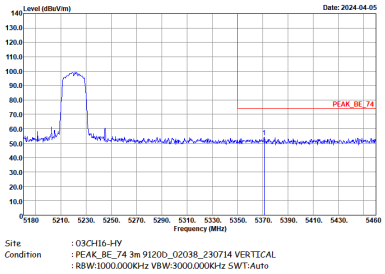
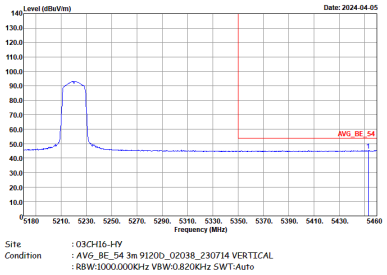
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

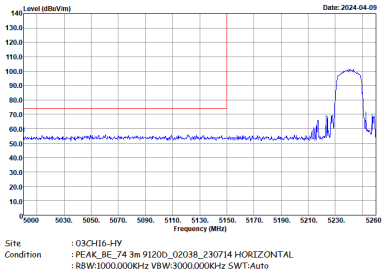
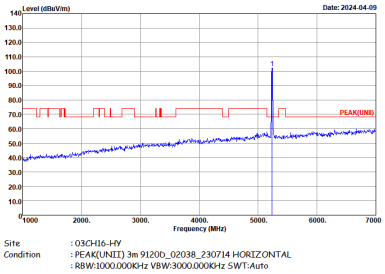
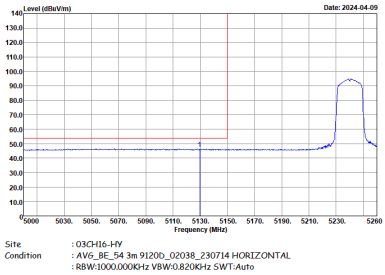
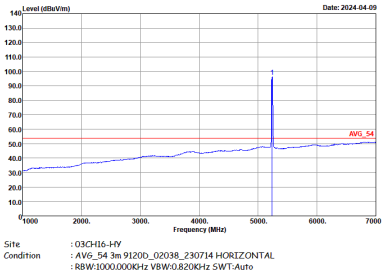
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		

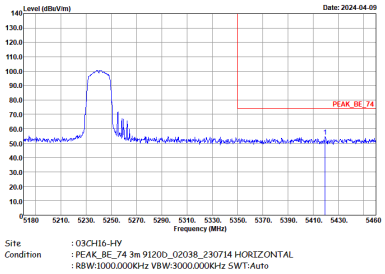
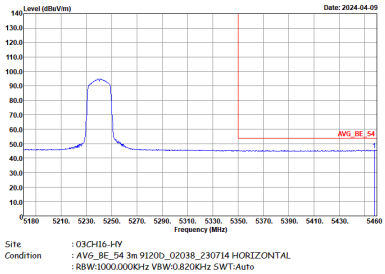
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

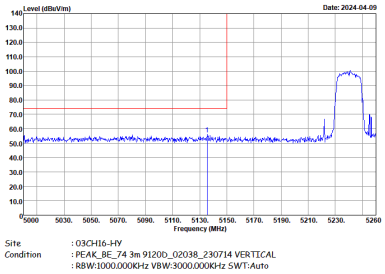
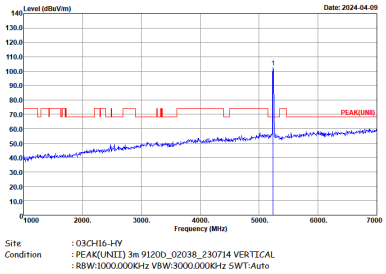
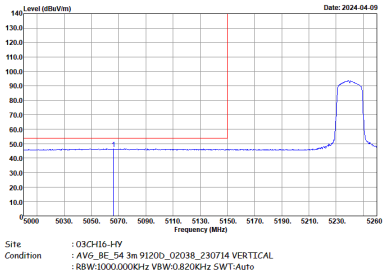
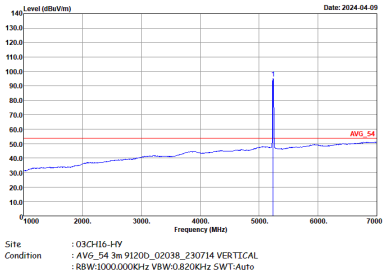
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

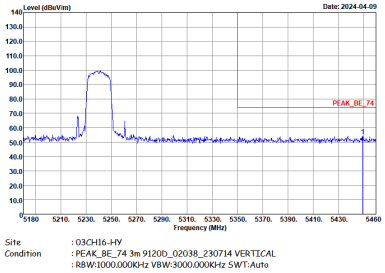
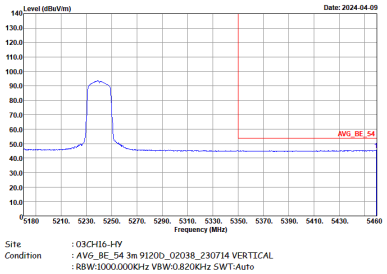
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

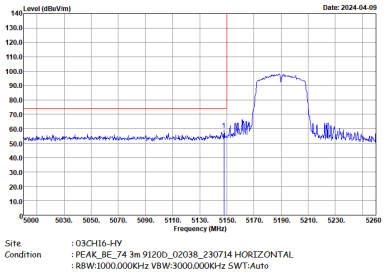
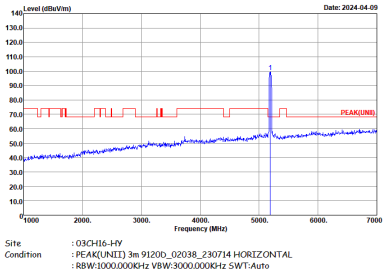
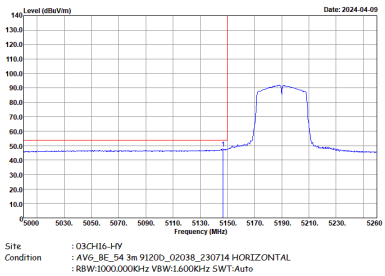
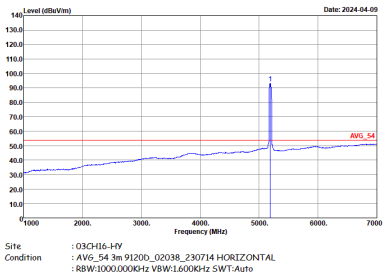
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

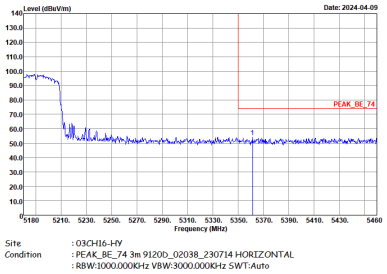
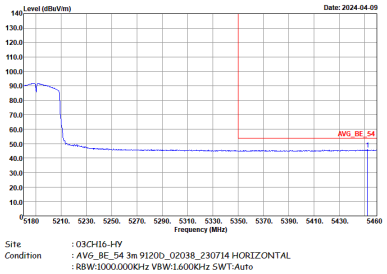
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

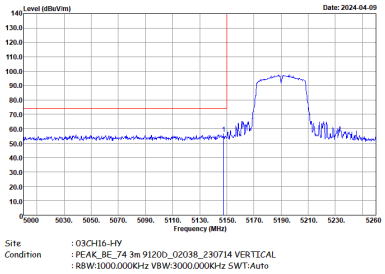
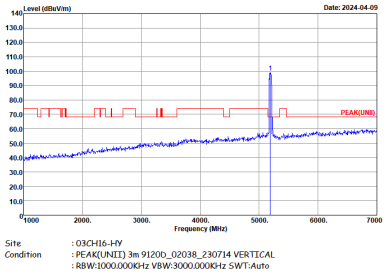
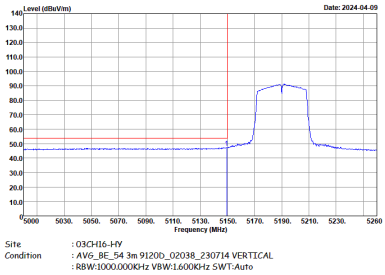
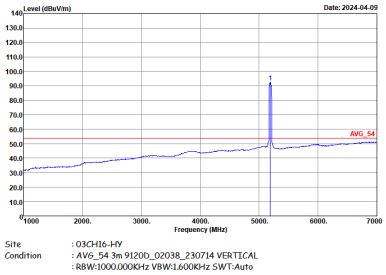
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

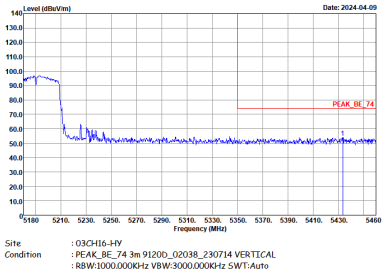
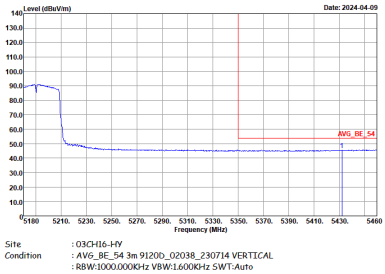
Band 1 5150~5250MHz

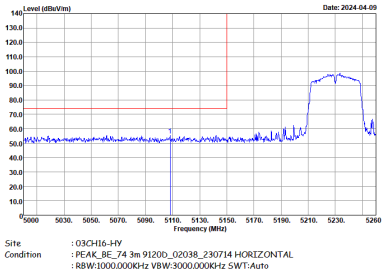
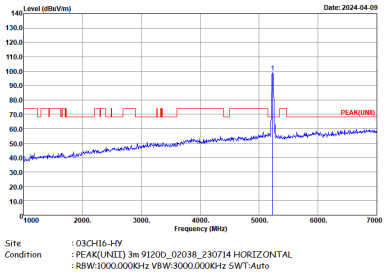
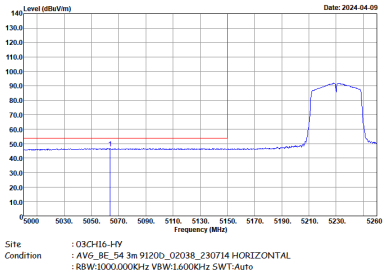
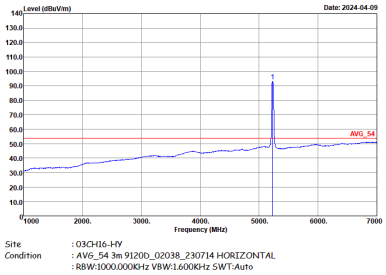
WIFI 802.11n HT40 (Band Edge @ 3m)

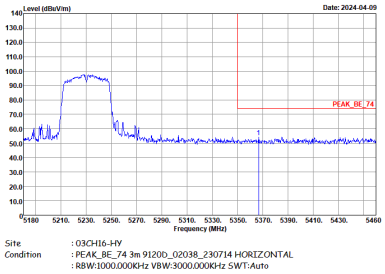
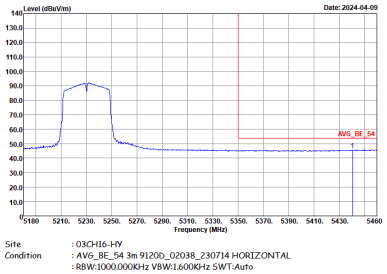
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

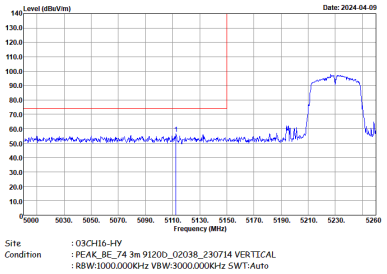
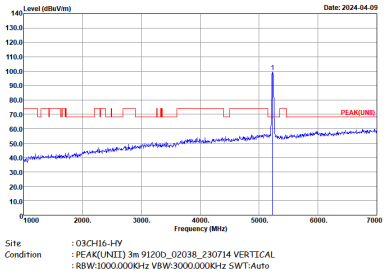
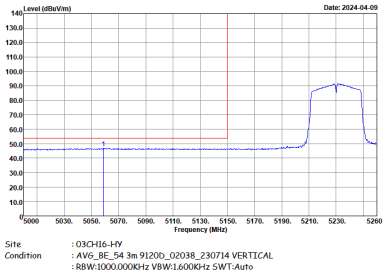
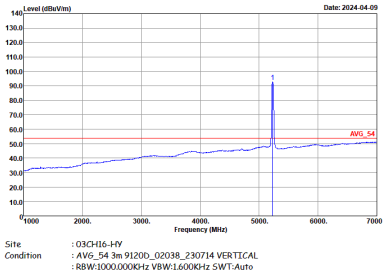
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

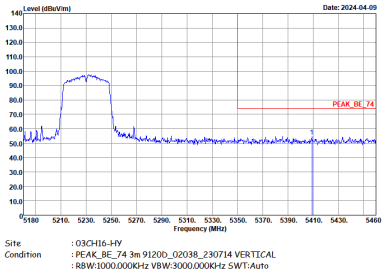
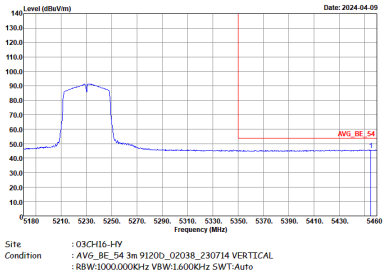
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

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

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

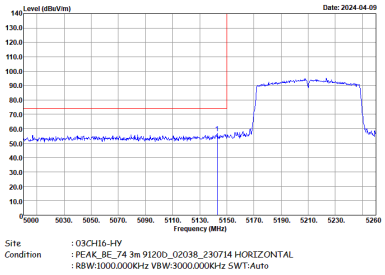
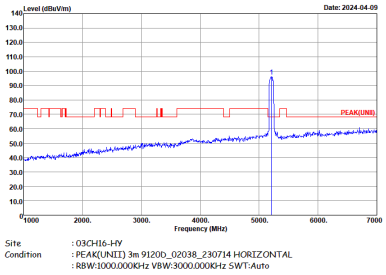
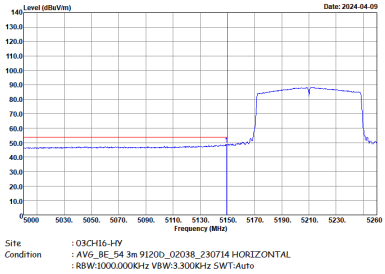
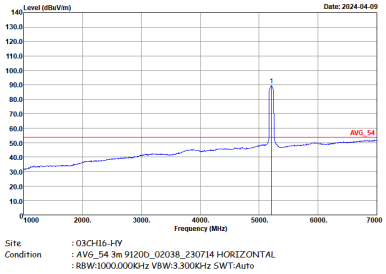
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

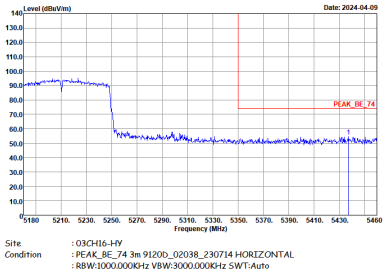
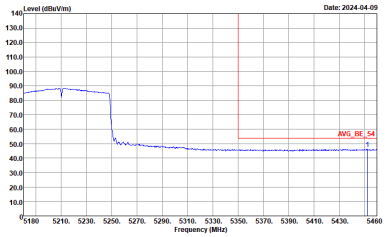
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

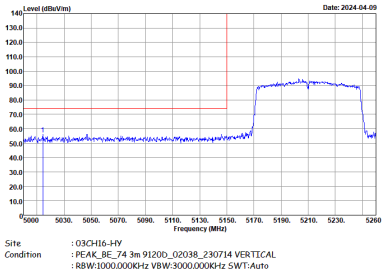
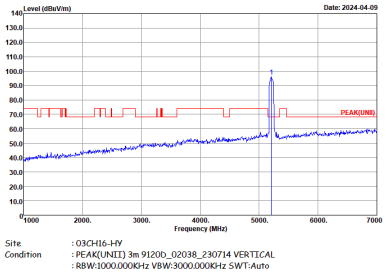
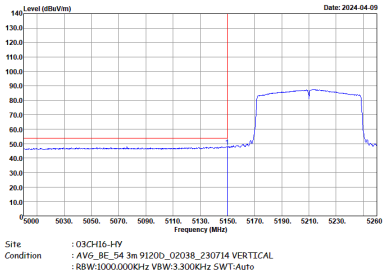
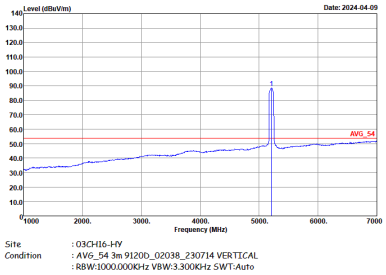
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

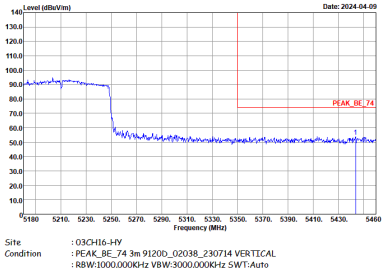
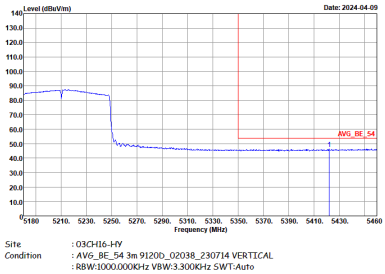
Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

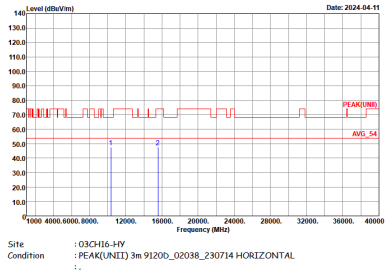
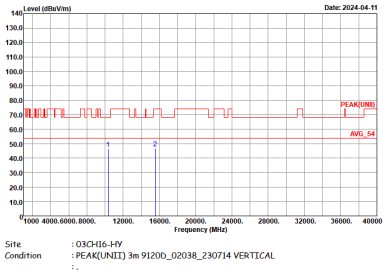
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3.300KHz SWT:Auto	Left blank

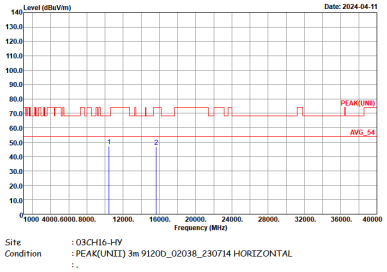
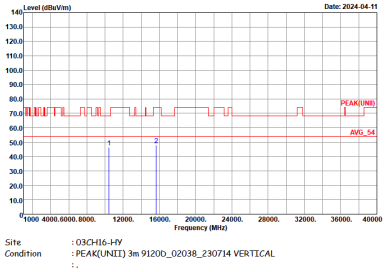
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

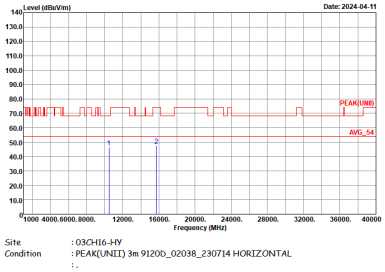
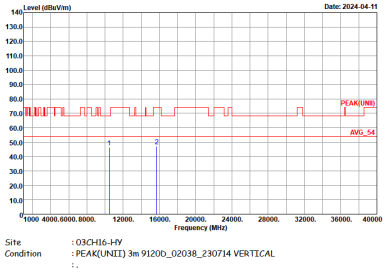
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

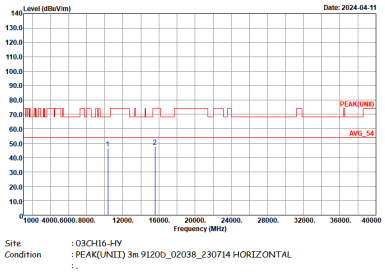
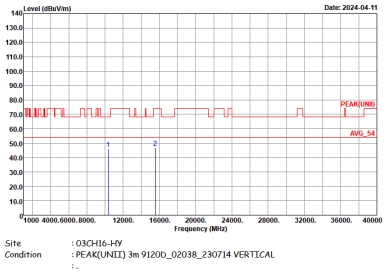
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

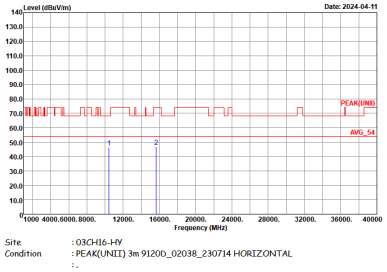
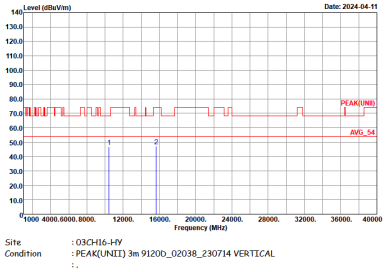
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

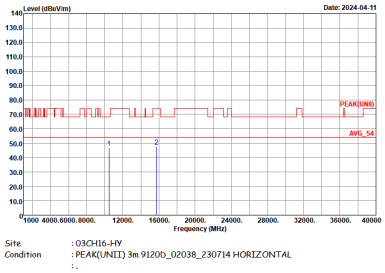
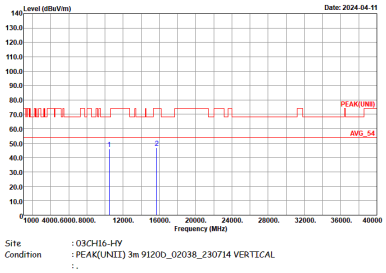
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

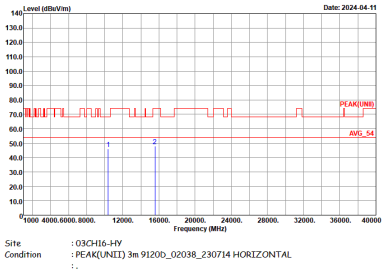
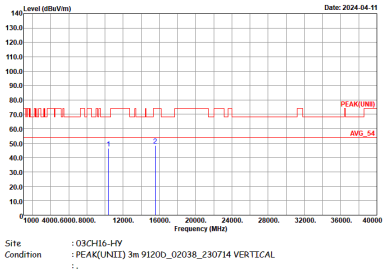
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

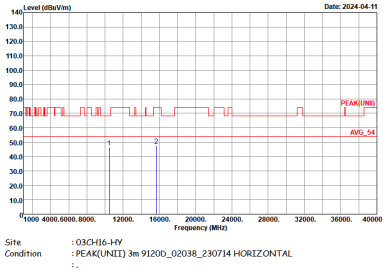
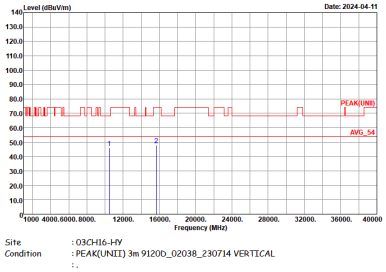
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 1 5150~5250MHz

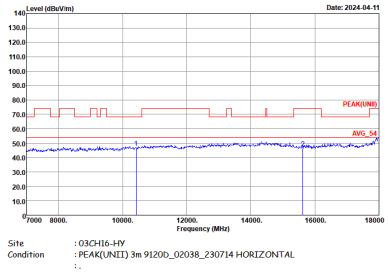
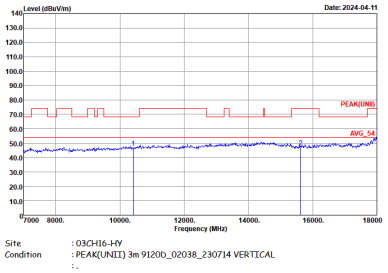
WIFI 802.11n HT40 (Harmonic @ 3m)

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

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

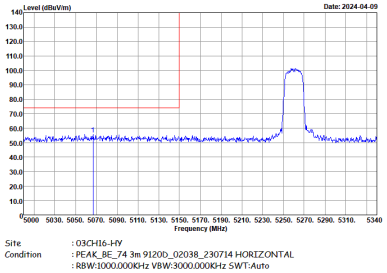
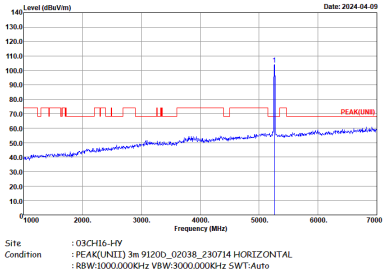
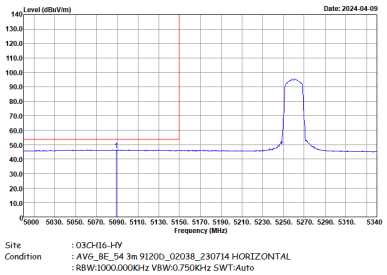
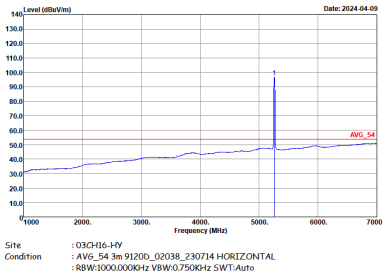
Band 1 5150~5250MHz

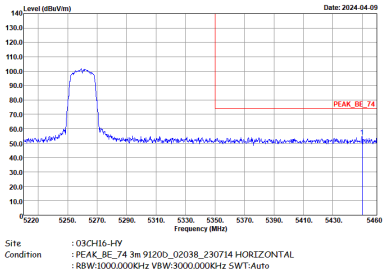
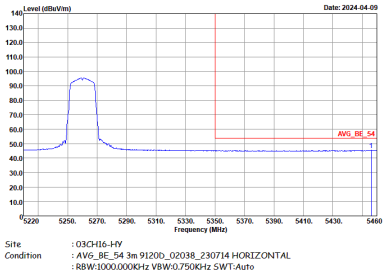
WIFI 802.11ac VHT80 (Harmonic @ 3m)

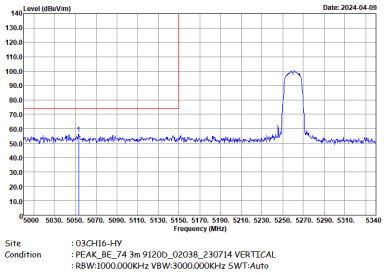
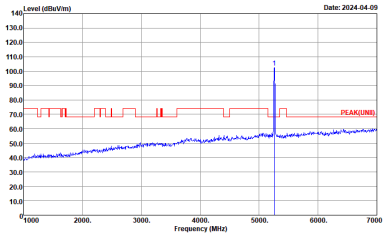
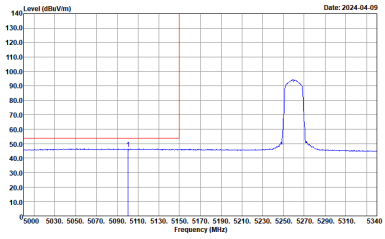
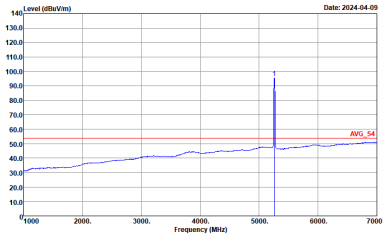
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

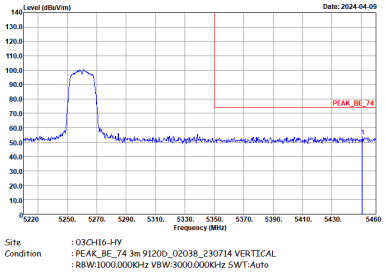
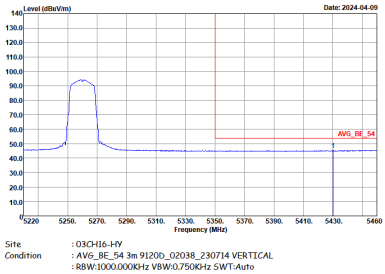
Band 2 - 5250~5350MHz

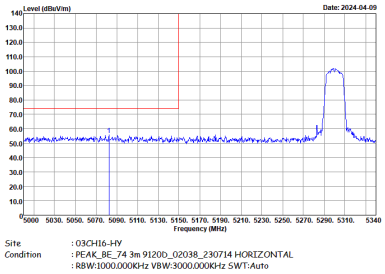
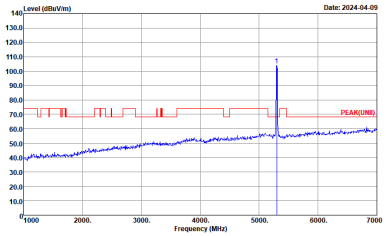
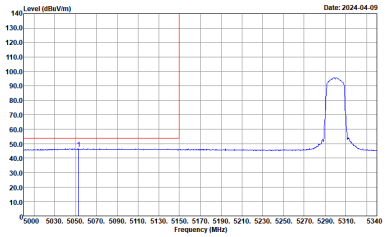
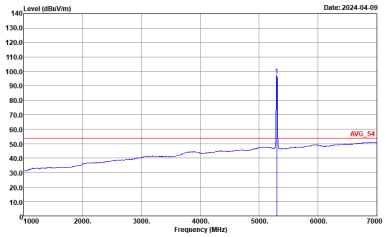
WIFI 802.11a (Band Edge @ 3m)

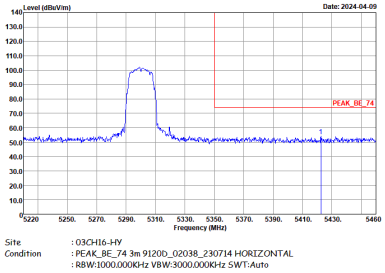
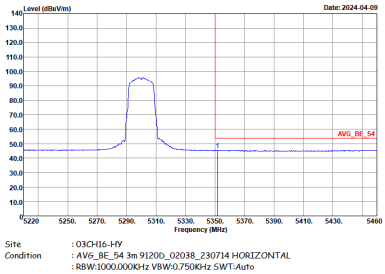
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

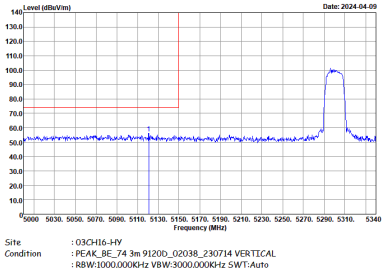
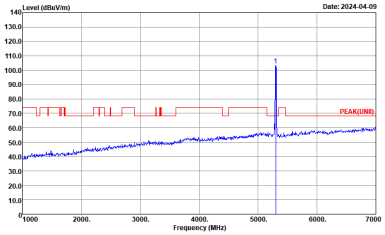
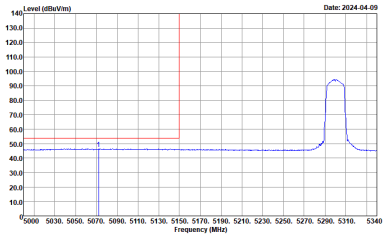
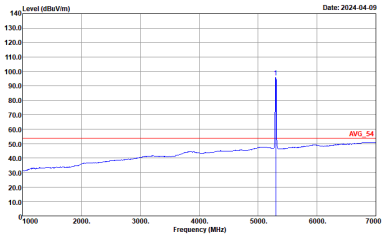
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

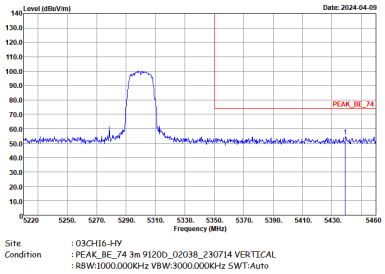
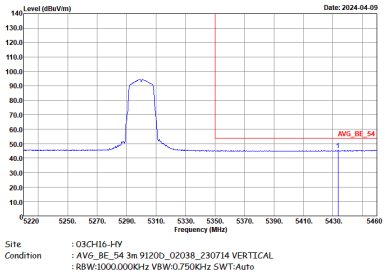
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

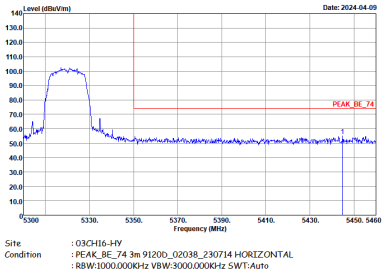
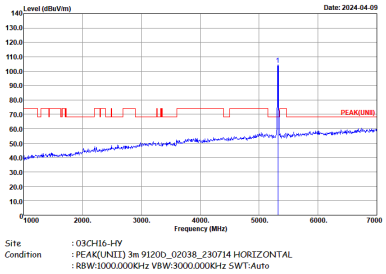
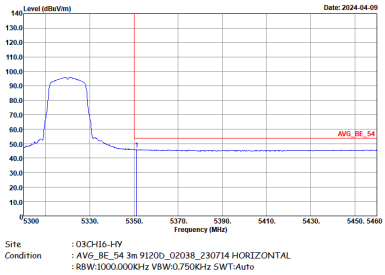
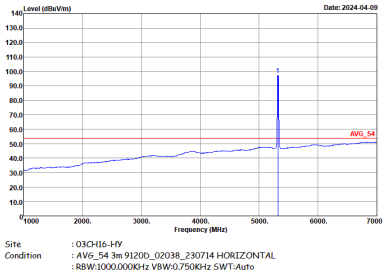
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

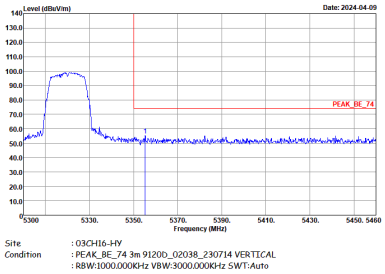
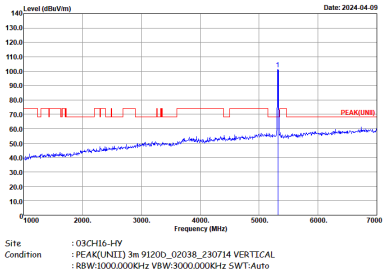
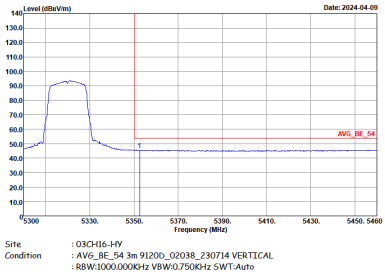
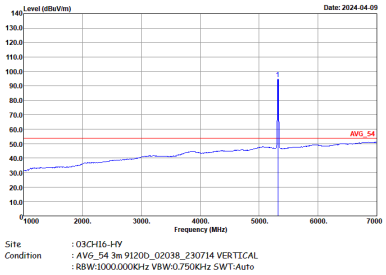
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

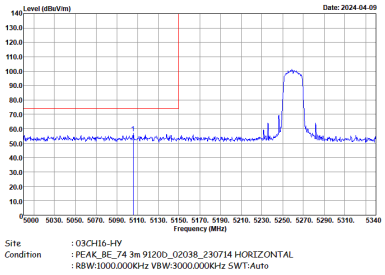
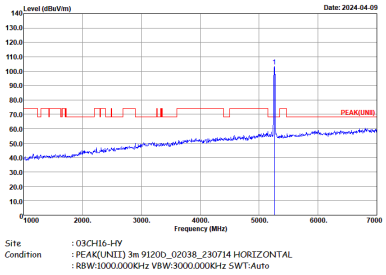
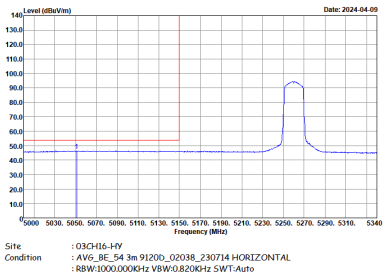
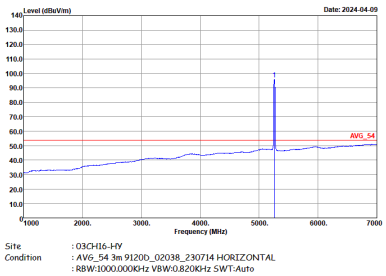
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

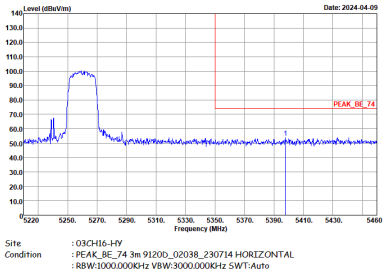
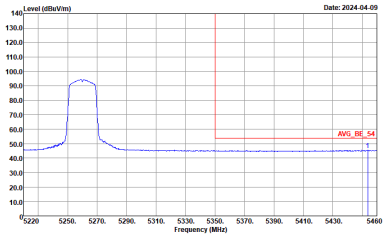
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

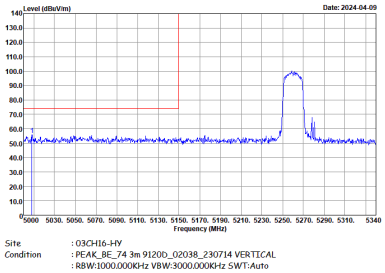
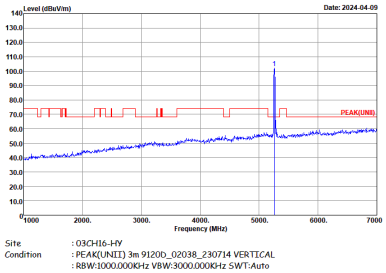
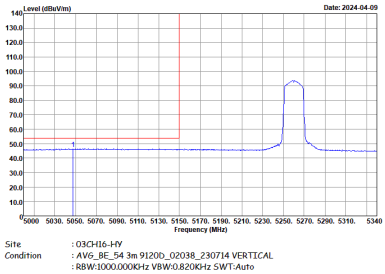
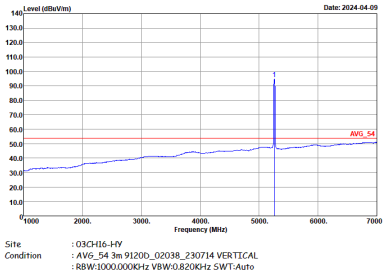
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		

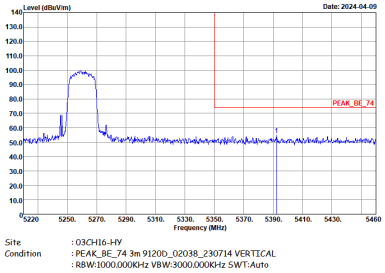
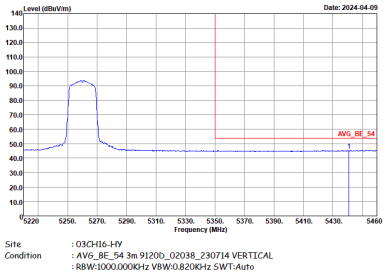
Band 2 5250~5350MHz

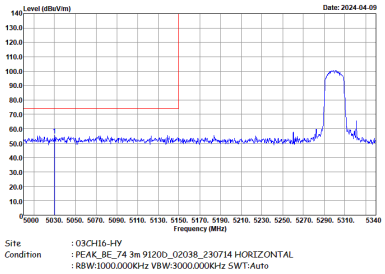
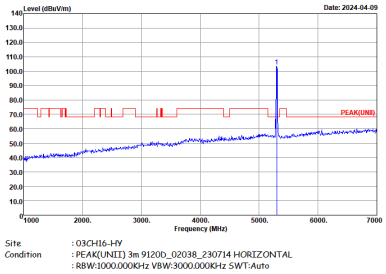
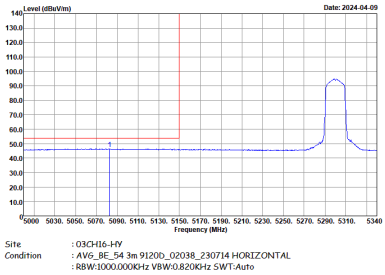
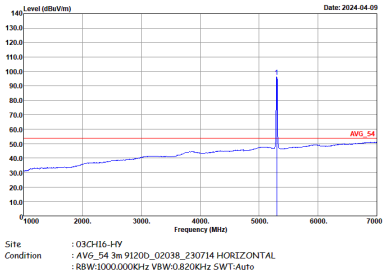
WIFI 802.11n HT20 (Band Edge @ 3m)

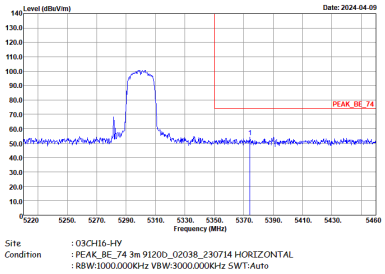
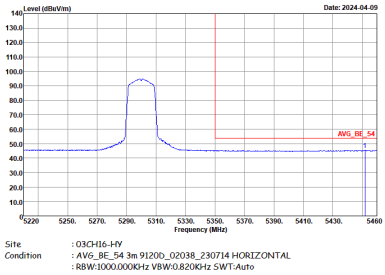
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

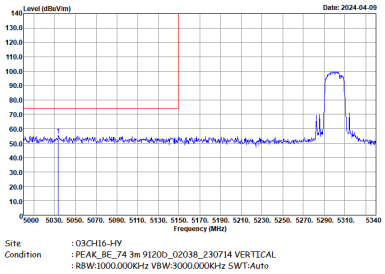
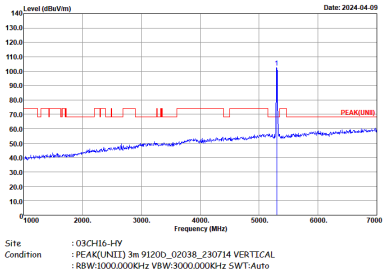
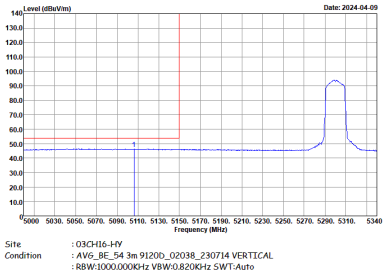
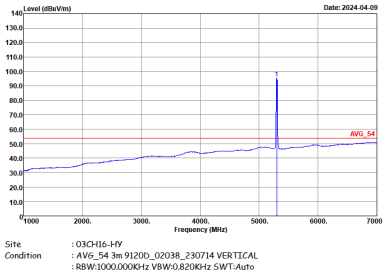
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	Left blank

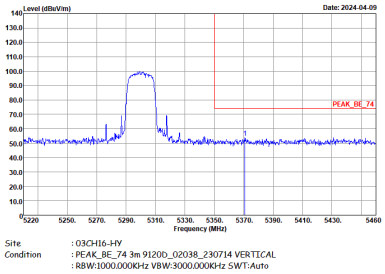
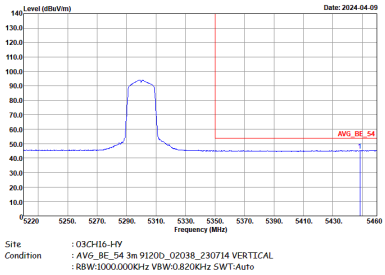
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

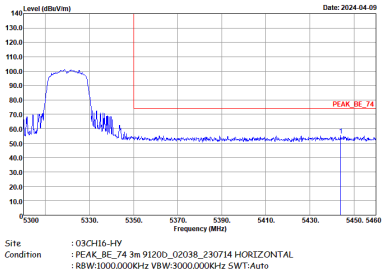
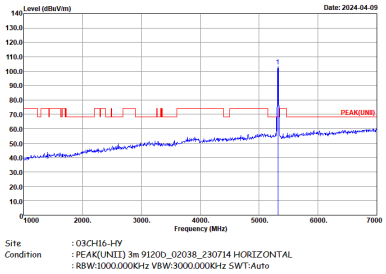
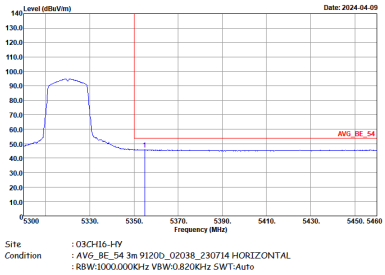
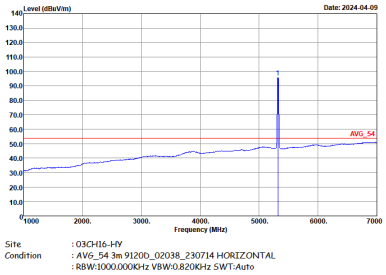
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

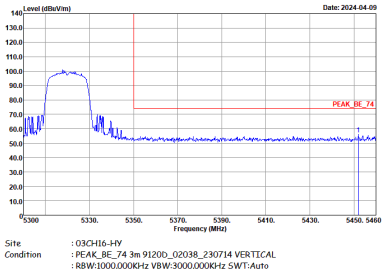
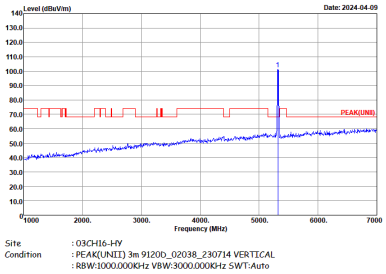
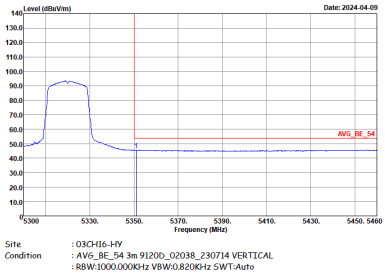
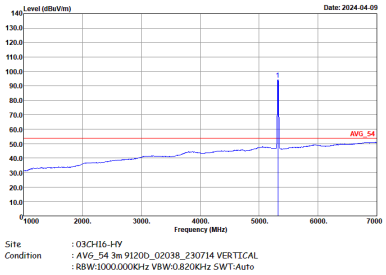
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

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

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

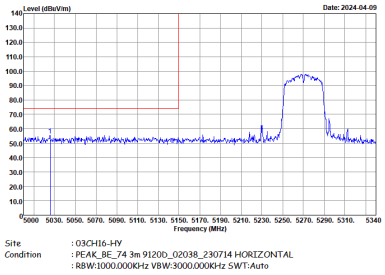
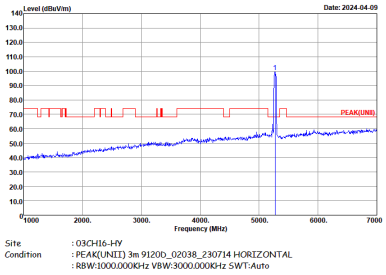
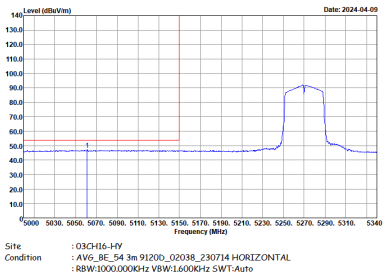
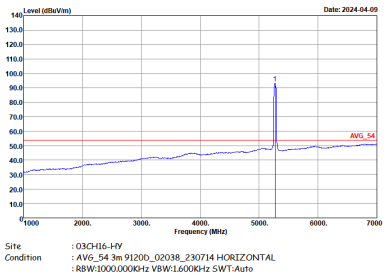
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

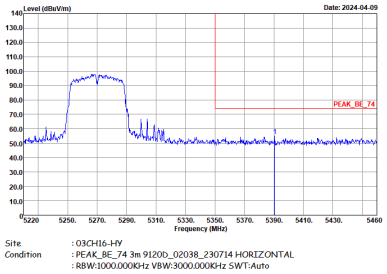
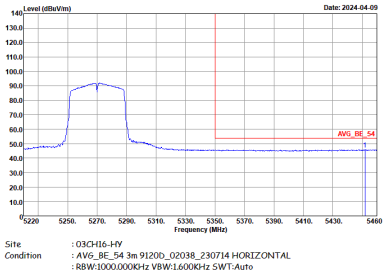
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

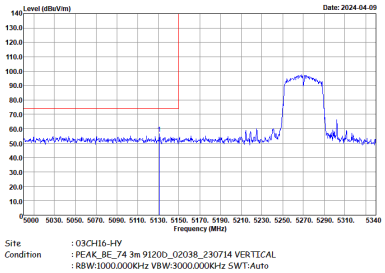
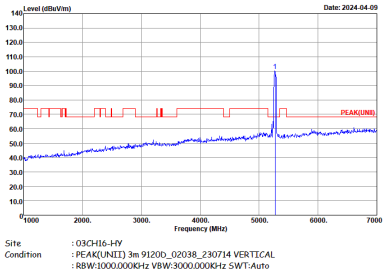
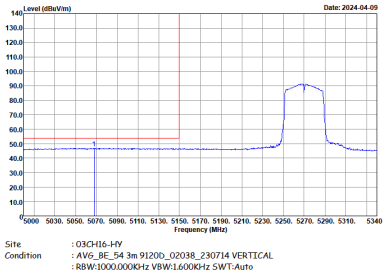
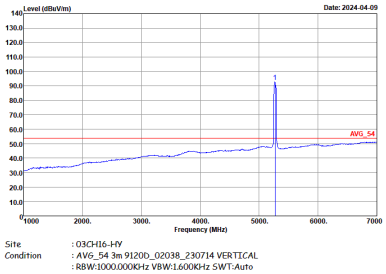
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		

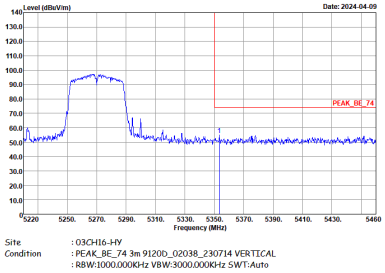
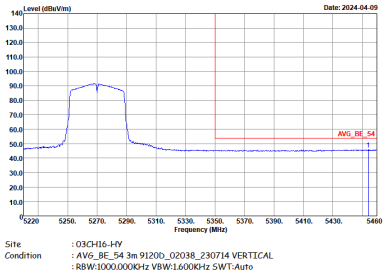
Band 2 5250~5350MHz

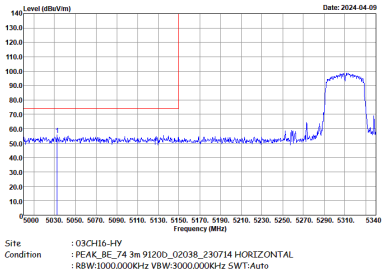
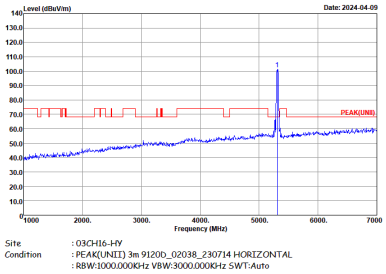
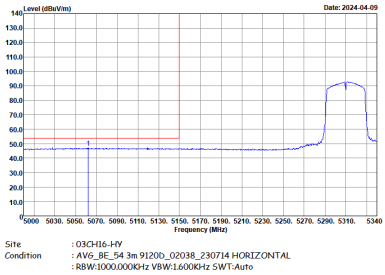
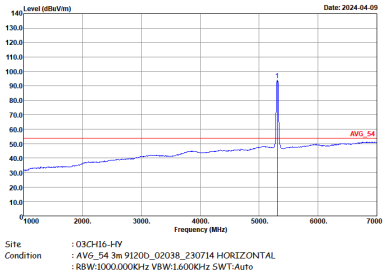
WIFI 802.11n HT40 (Band Edge @ 3m)

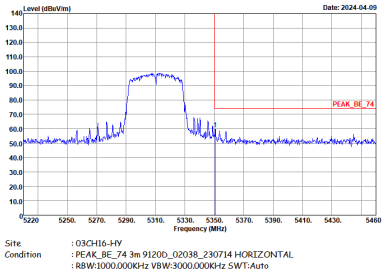
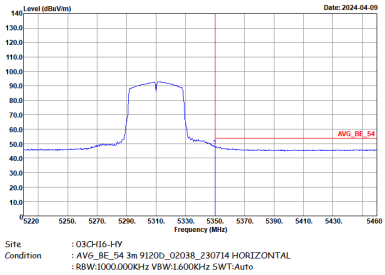
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

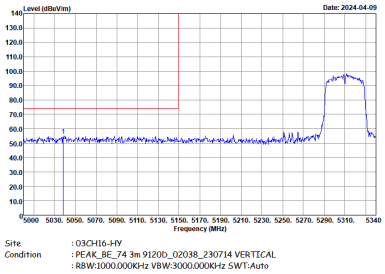
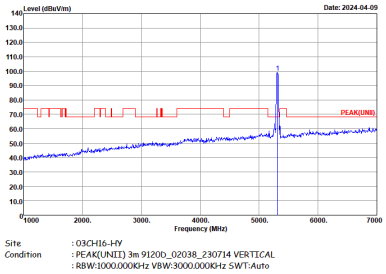
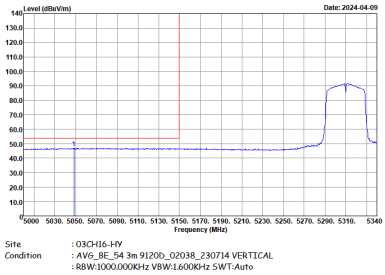
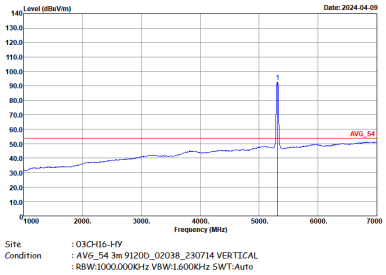
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

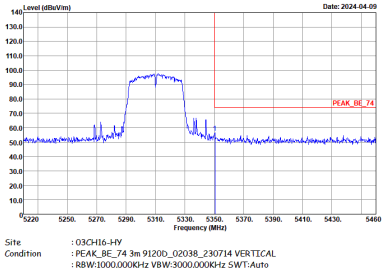
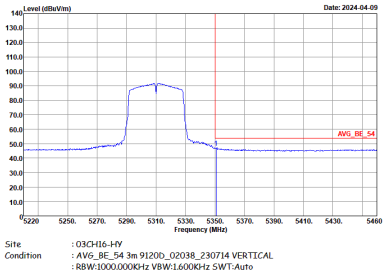
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
1	Vertical	Vertical
Peak		
Avg.		

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:1600KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:1600KHz SWT:Auto

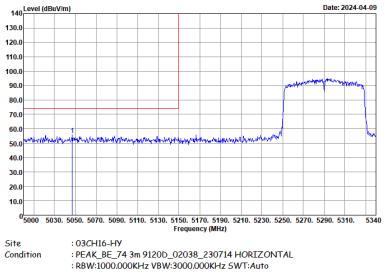
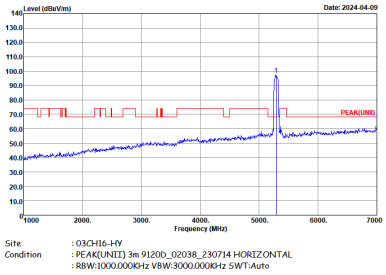
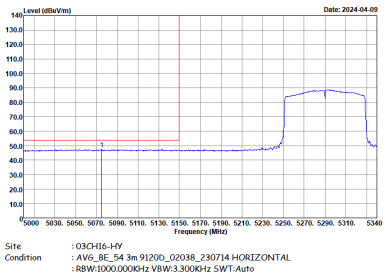
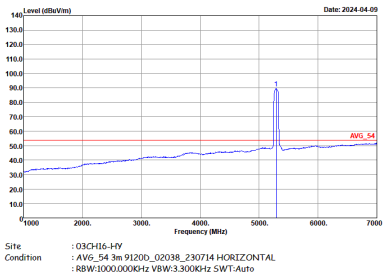
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

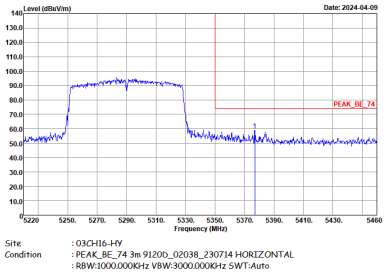
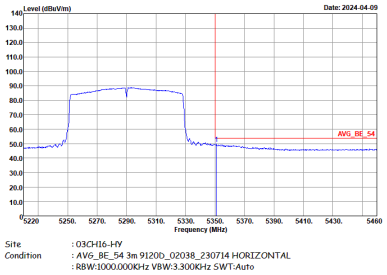
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

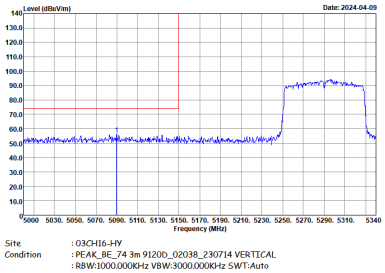
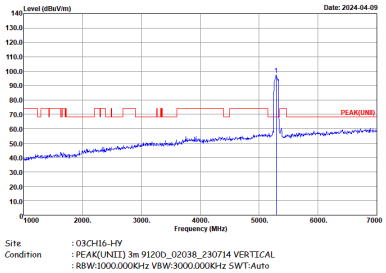
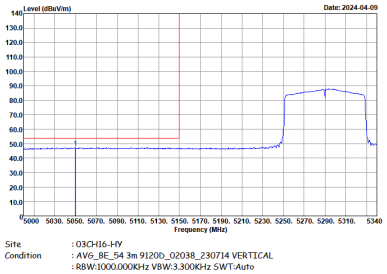
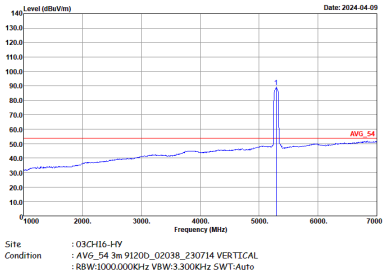
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

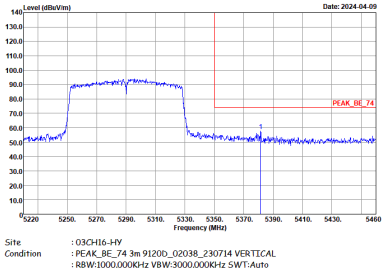
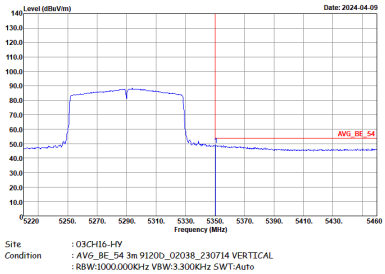
Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

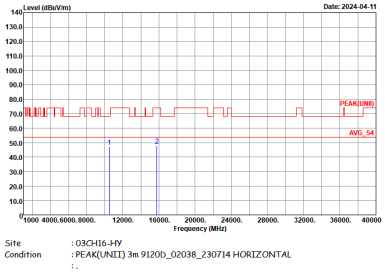
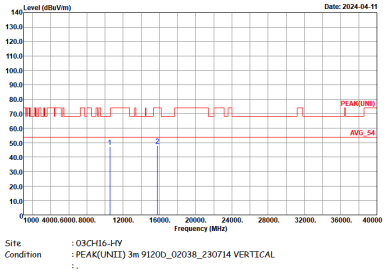
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

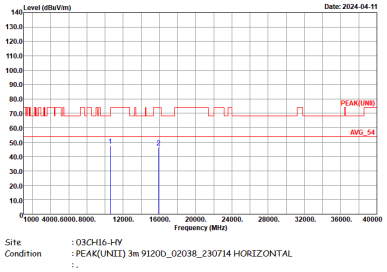
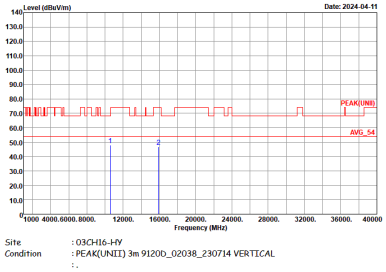
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

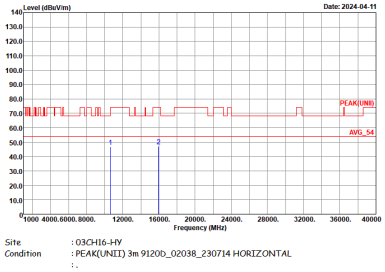
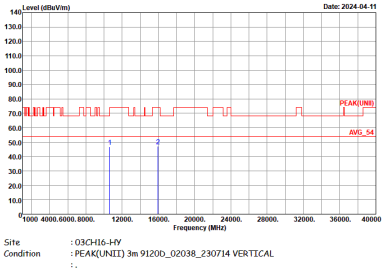
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

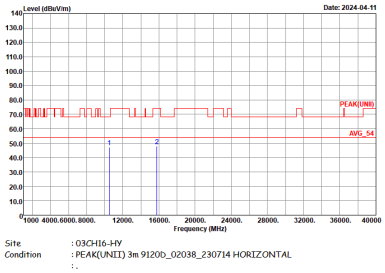
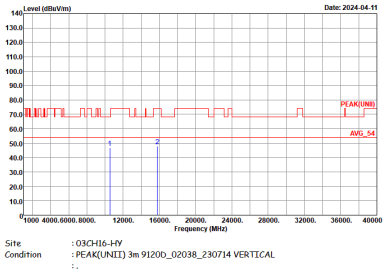
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

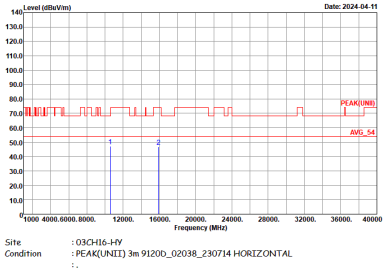
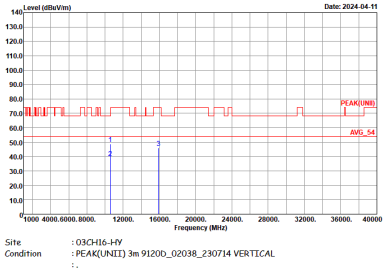
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

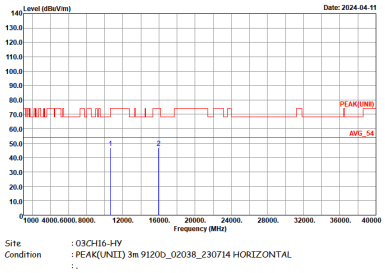
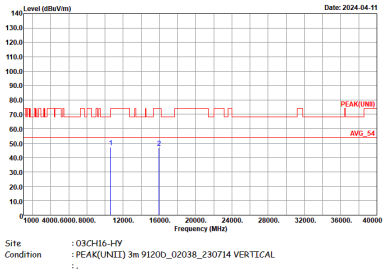
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

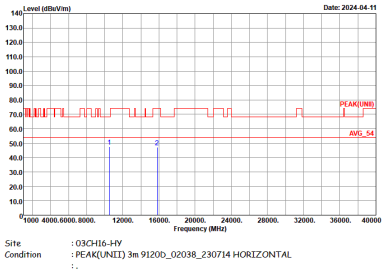
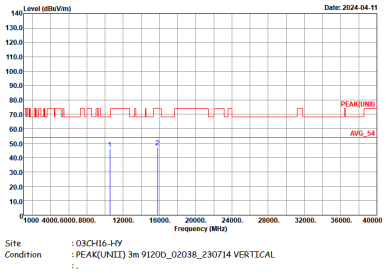
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

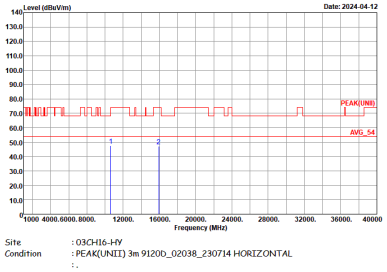
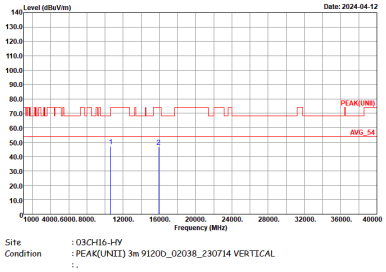
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 2 5250~5350MHz

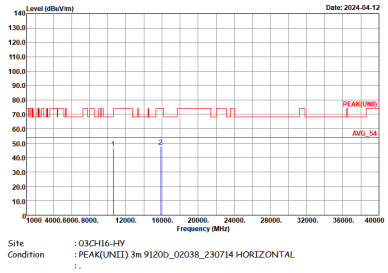
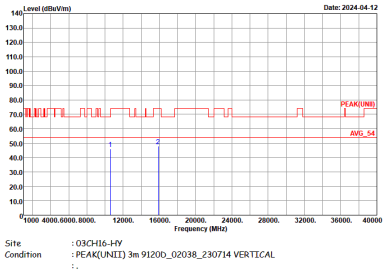
WIFI 802.11n HT40 (Harmonic @ 3m)

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

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

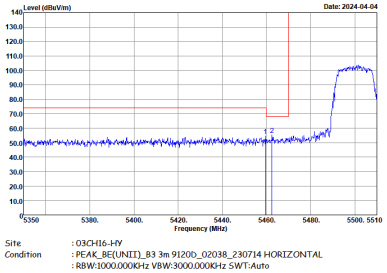
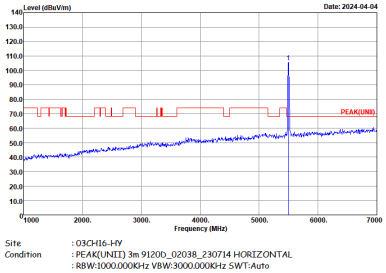
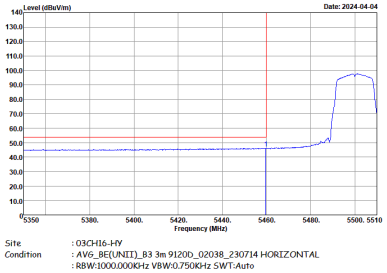
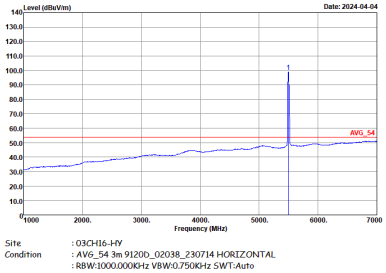
Band 2 5250~5350MHz

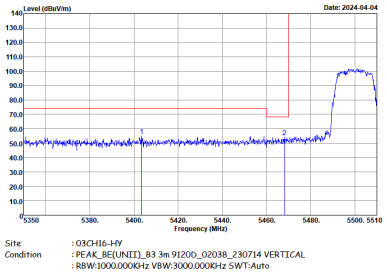
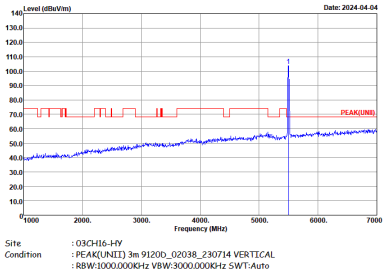
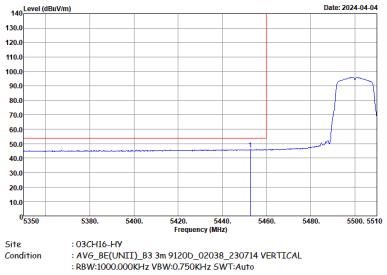
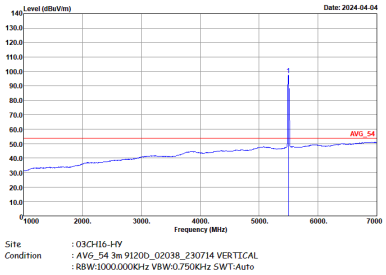
WIFI 802.11ac VHT80 (Harmonic @ 3m)

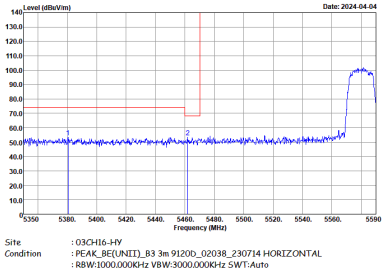
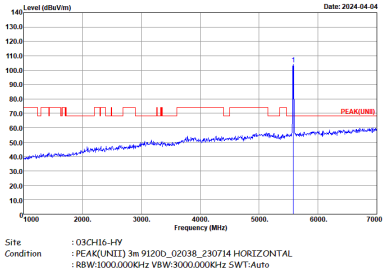
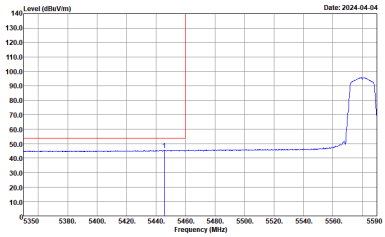
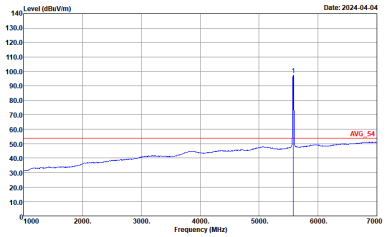
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

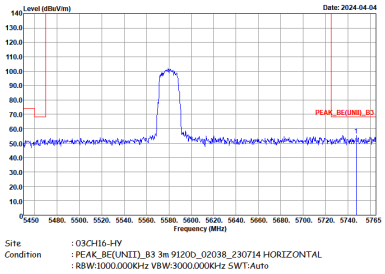
Band 3 - 5470~5725MHz

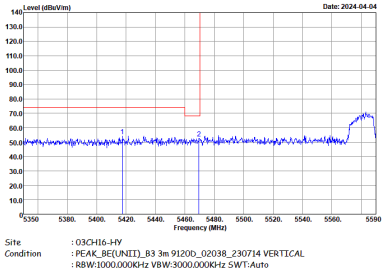
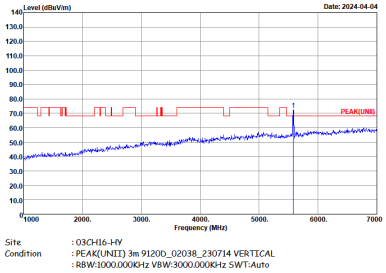
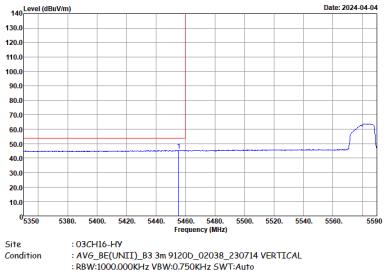
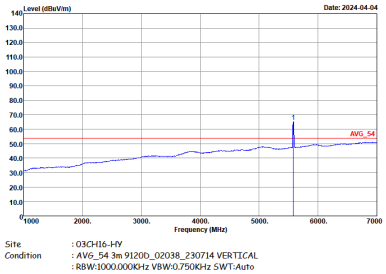
WIFI 802.11a (Band Edge @ 3m)

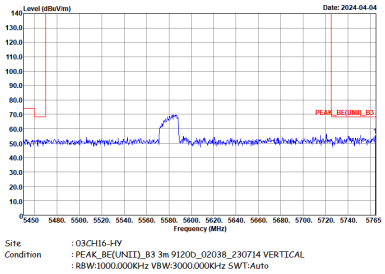
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

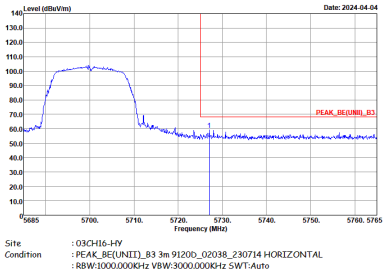
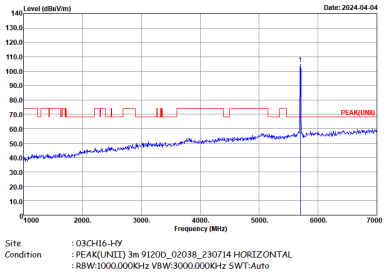
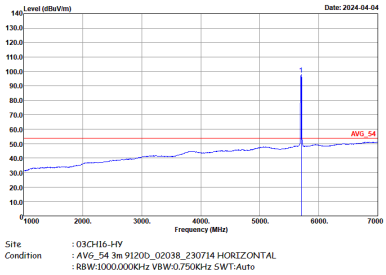
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		

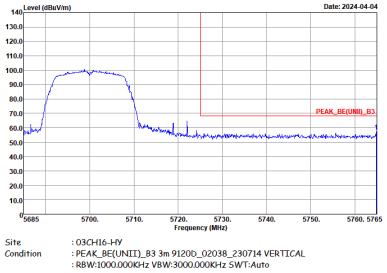
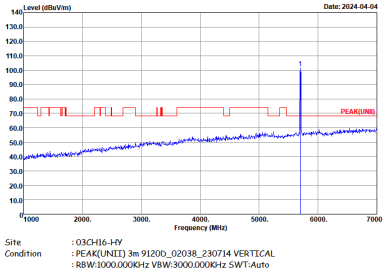
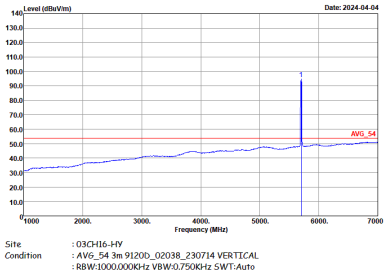
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

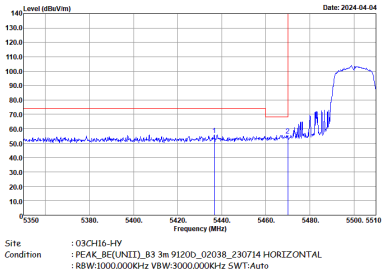
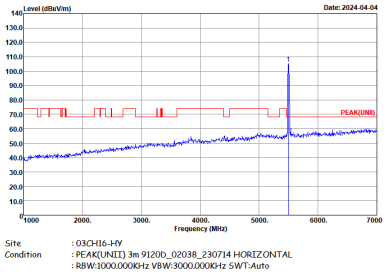
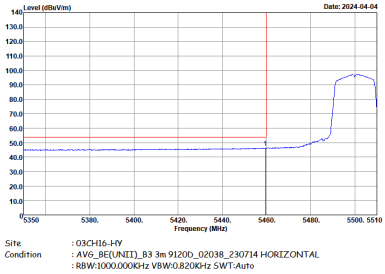
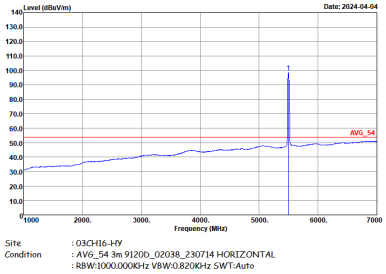
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

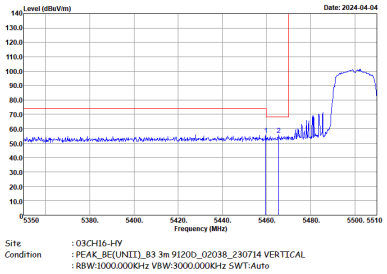
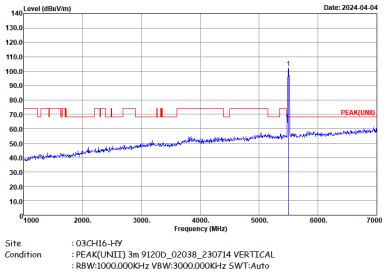
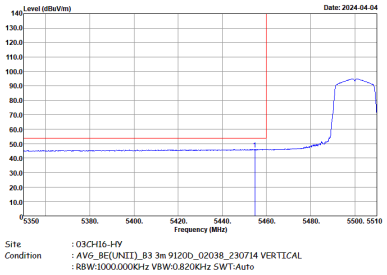
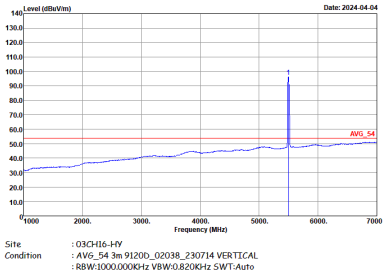
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		
Avg.	Left blank	

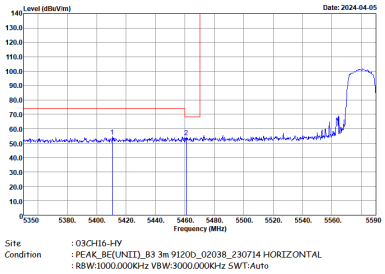
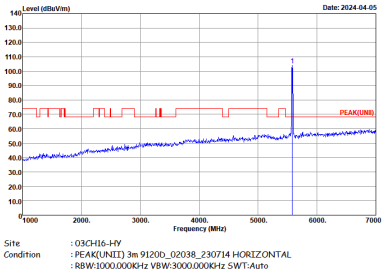
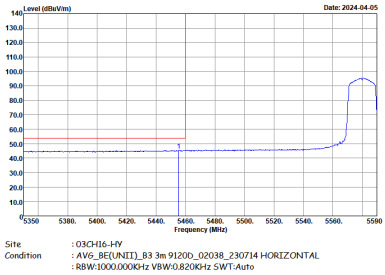
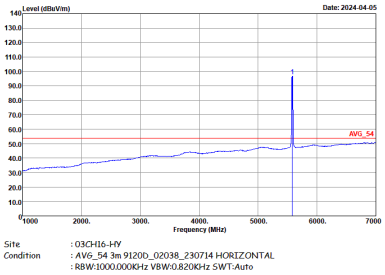
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		
Avg.	Left blank	

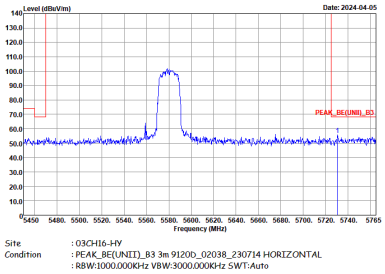
Band 3 5470~5725MHz

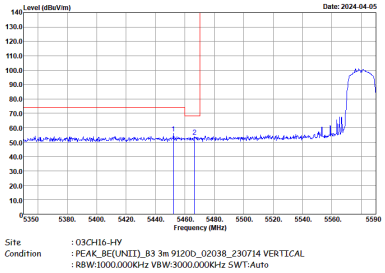
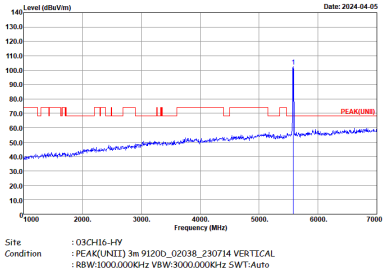
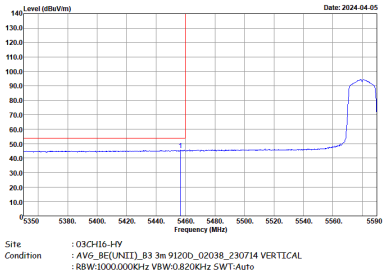
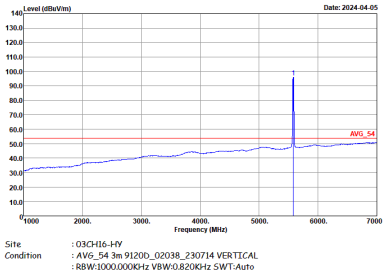
WIFI 802.11n HT20 (Band Edge @ 3m)

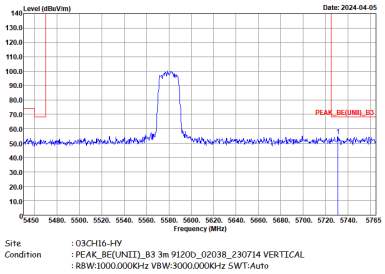
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

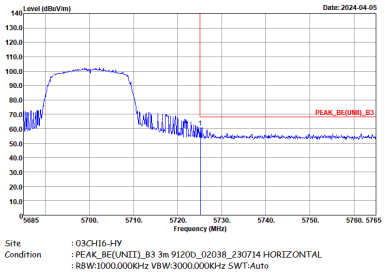
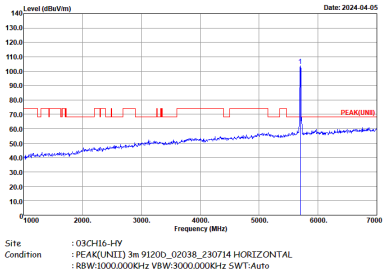
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_02038_230714 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_02038_230714 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		
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