

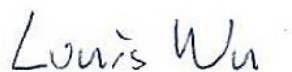


FCC RADIO TEST REPORT

FCC ID : B32P6302
Equipment : Point of Sales Terminal
Brand Name : Verifone
Model Name : P630-2
Applicant : Verifone, Inc.
1400 West Stanford Ranch Road
Suite 150 Rocklin CA 95765 USA
Manufacturer : Verifone, Inc.
Standard : FCC Part 15 Subpart E §15.407

The product was received on Aug. 05, 2022 and testing was performed from Aug. 16, 2022 to Sep. 07, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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



Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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History of this test report

Report No.	Version	Description	Issue Date
FR002036-03E	01	Initial issue of report	Sep. 23, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	3.02 dB under the limit at 5351.520 MHz
3.5	15.207	AC Conducted Emission	Pass	17.50 dB under the limit at 0.373 MHz
3.6	15.203	Antenna Requirement	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Yun Huang

Report Producer: Dewi Huang

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Feature	
Antenna Type	WLAN: PIFA Antenna Bluetooth: PIFA Antenna NFC: Loop Antenna

Antenna information		
5180 MHz ~ 5240 MHz	Peak Gain (dBi)	2.89
5260 MHz ~ 5320 MHz	Peak Gain (dBi)	3.10
5500 MHz ~ 5720 MHz	Peak Gain (dBi)	3.98

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. CO05-HY (TAF Code: 1190)
Remark	The Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

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, 03CH15-HY

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

FCC designation No.: TW1190 and 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 "[#]" is 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 + Dongle (Charging with Adapter)
Remark: For Radiated Test Cases, the tests were performed with Adapter 1.	

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	-	100
M	Middle	-	60	-
H	High	-	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	-	-	-
Straddle		-	-	138

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	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.	SAM Card	N/A	N/A	N/A	N/A	N/A
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
6.	RJ45 Cable	N/A	N/A	N/A	N/A	N/A
7.	USB Cable	N/A	N/A	N/A	N/A	N/A
8.	Mini USB Cable	N/A	N/A	N/A	N/A	N/A
9.	RS232 Cable	N/A	N/A	N/A	N/A	N/A



2.5 EUT Operation Test Setup

The RF test items, utility "QRCT 4.0.00201.0" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

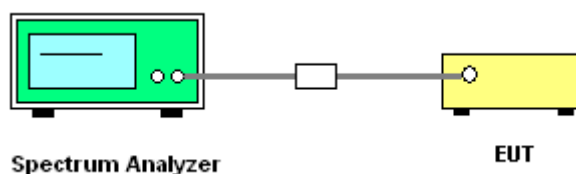
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup

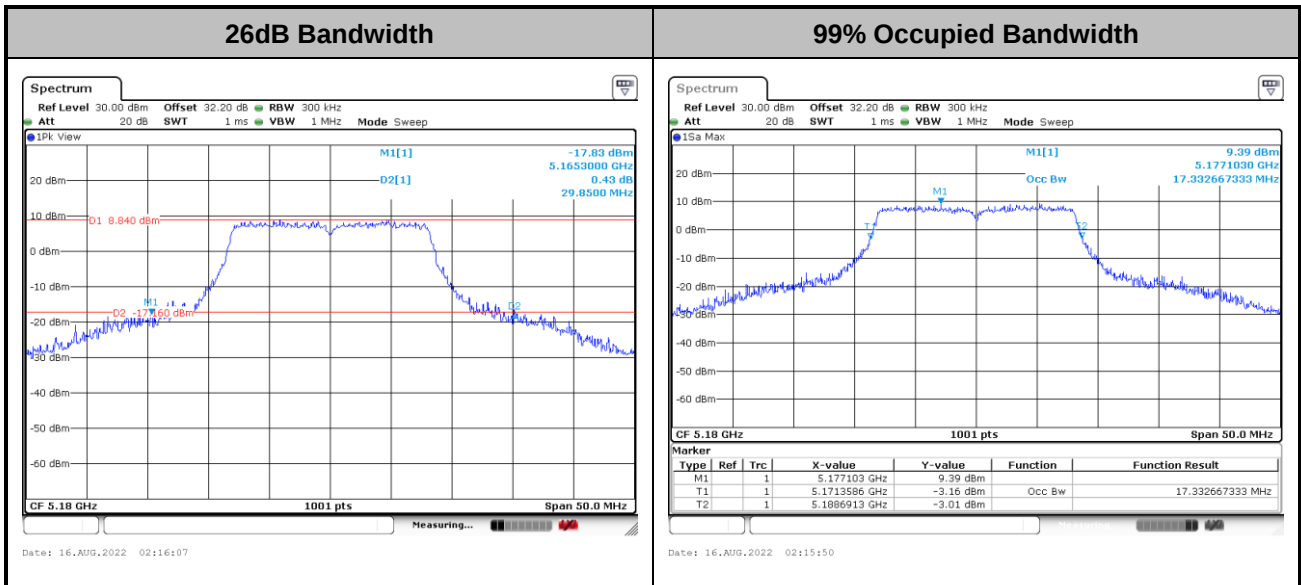


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

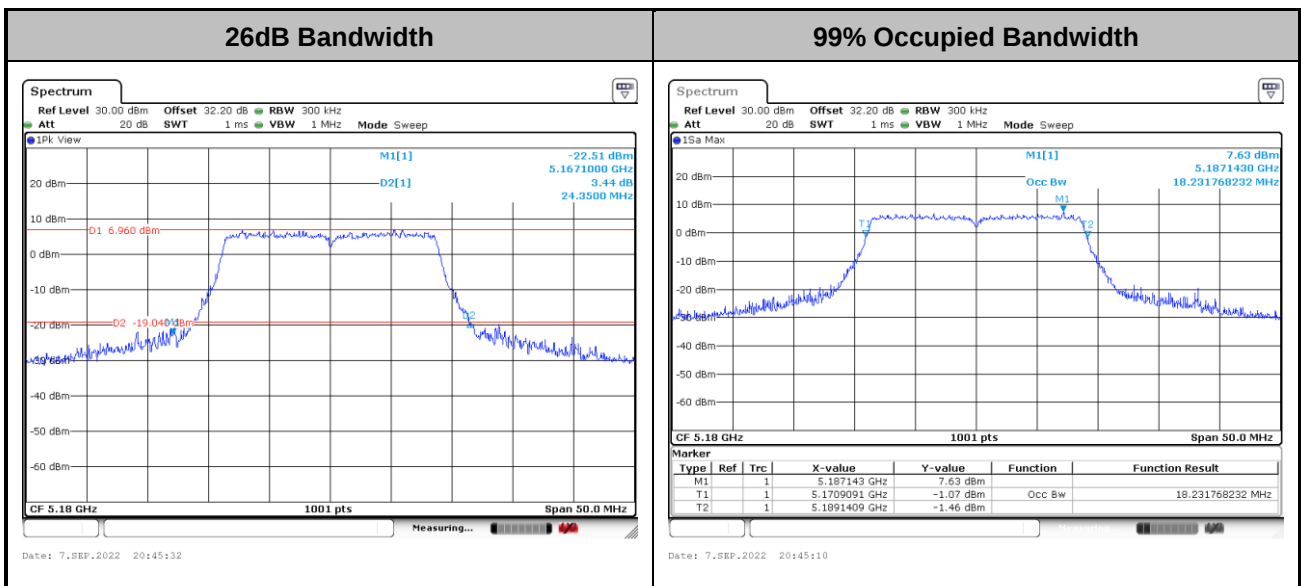
Please refer to Appendix A.



<802.11a>

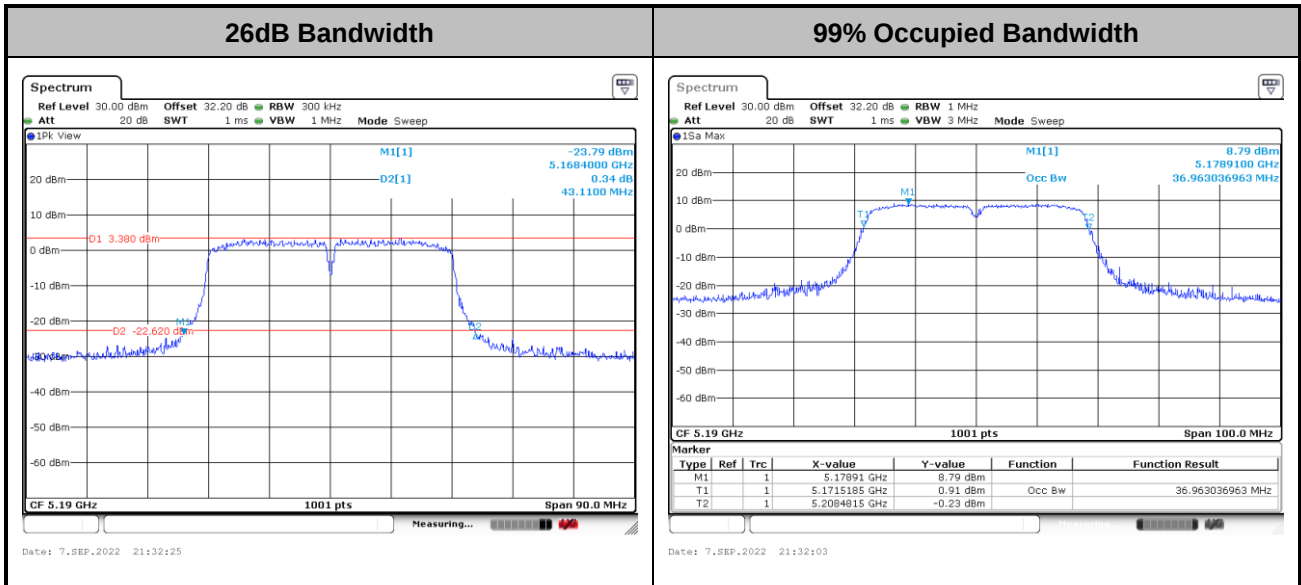


<802.11n HT20>



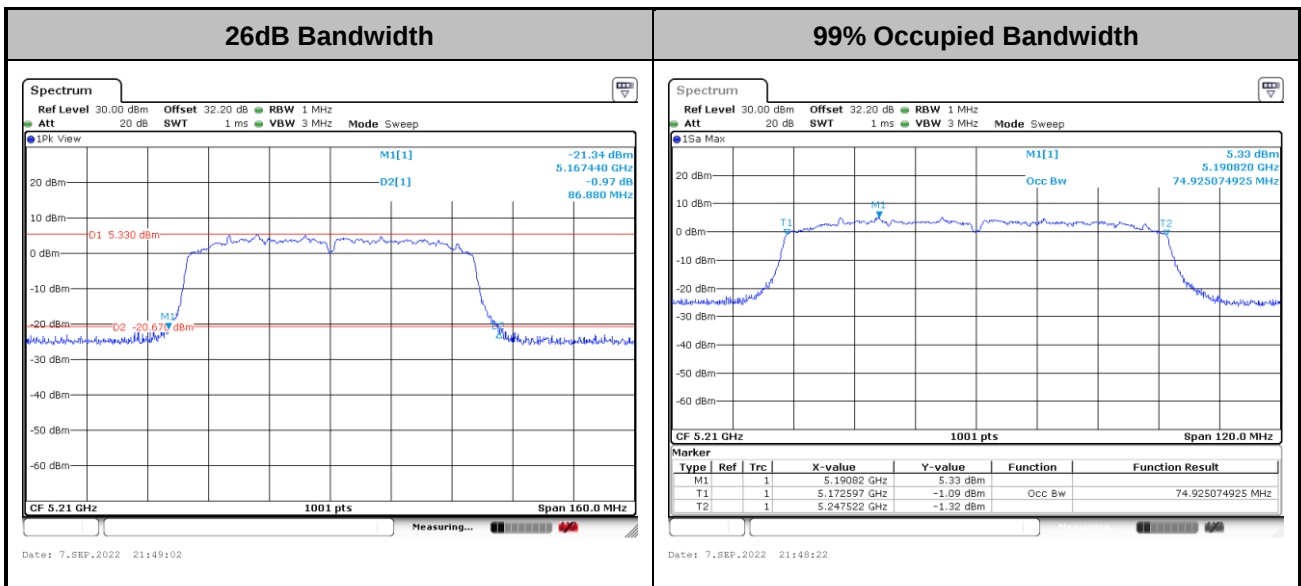


<802.11n HT40>



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

<802.11ac VHT80>



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

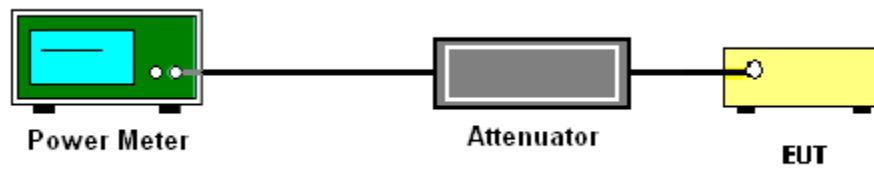
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

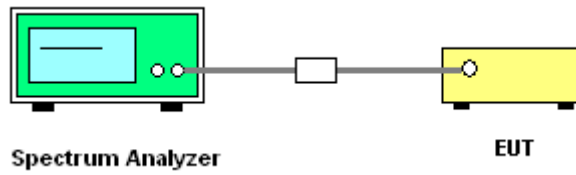
Section F) Maximum power spectral density.

Method SA-3

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

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

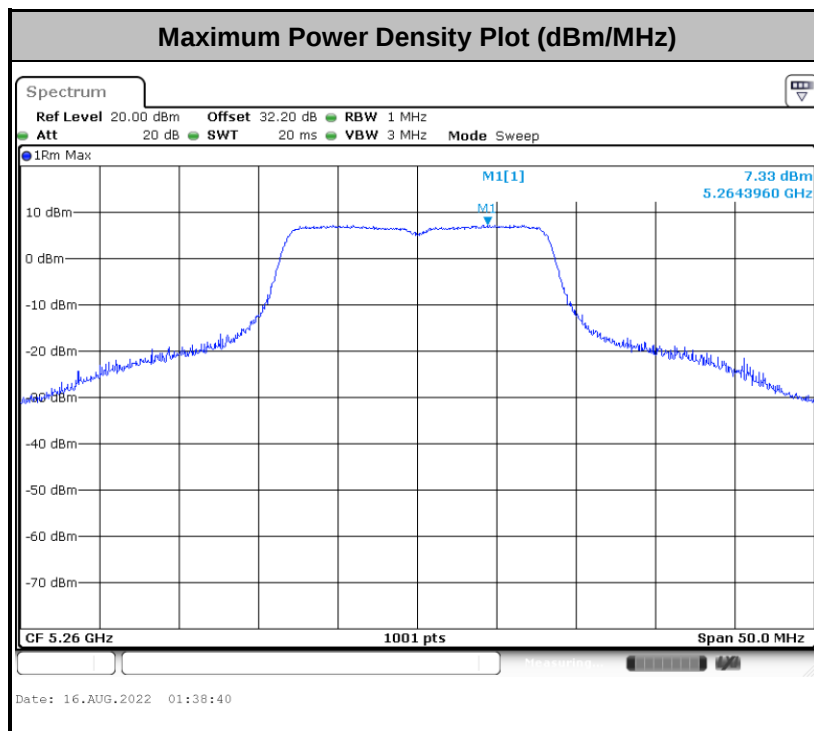
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<802.11a>



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.

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

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

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

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

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

3.4.2 Measuring Instruments

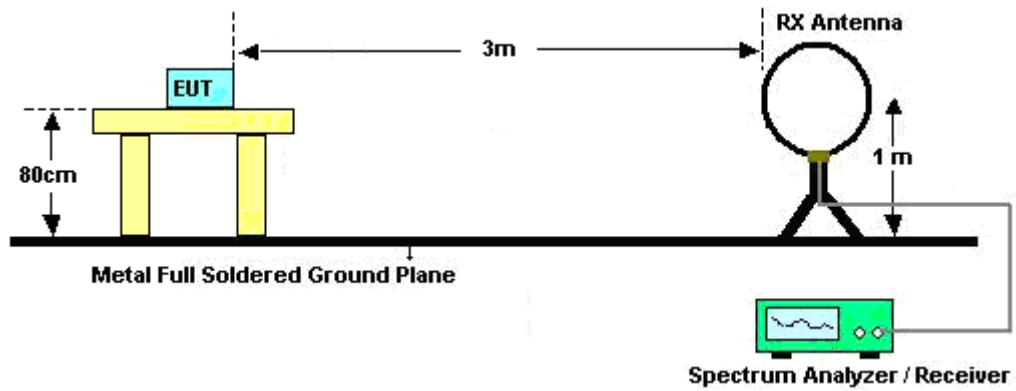
Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedures

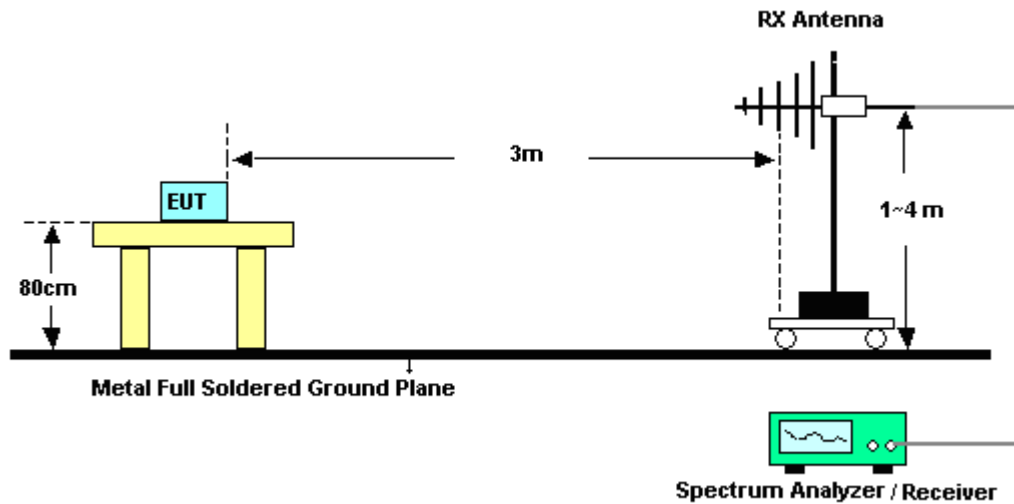
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

3.4.4 Test Setup

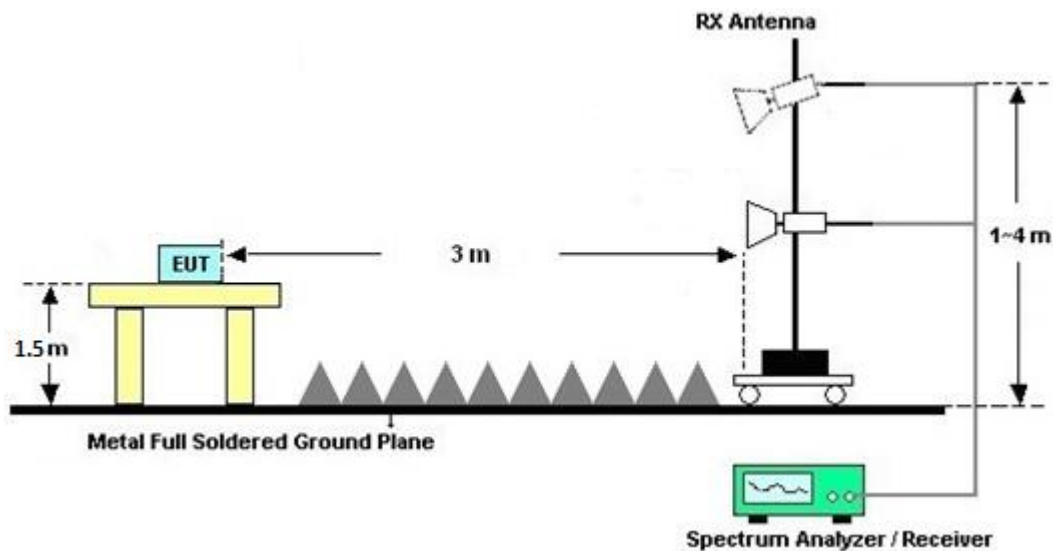
For radiated emissions below 30MHz



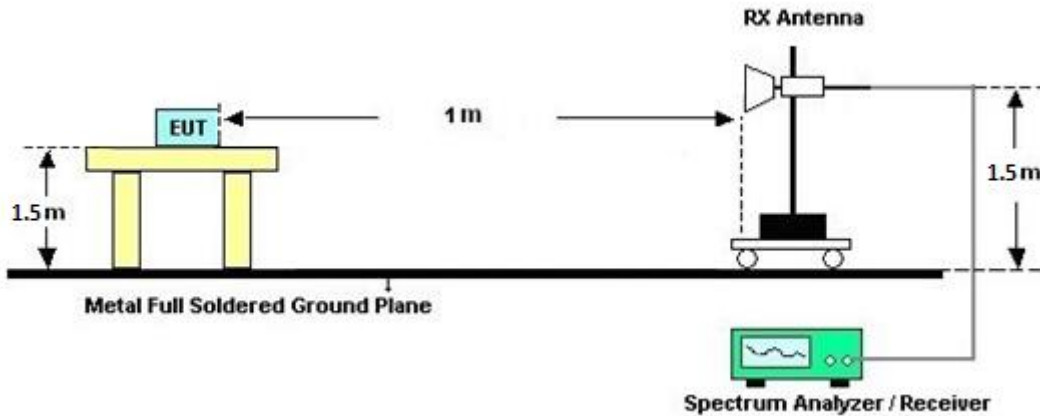
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

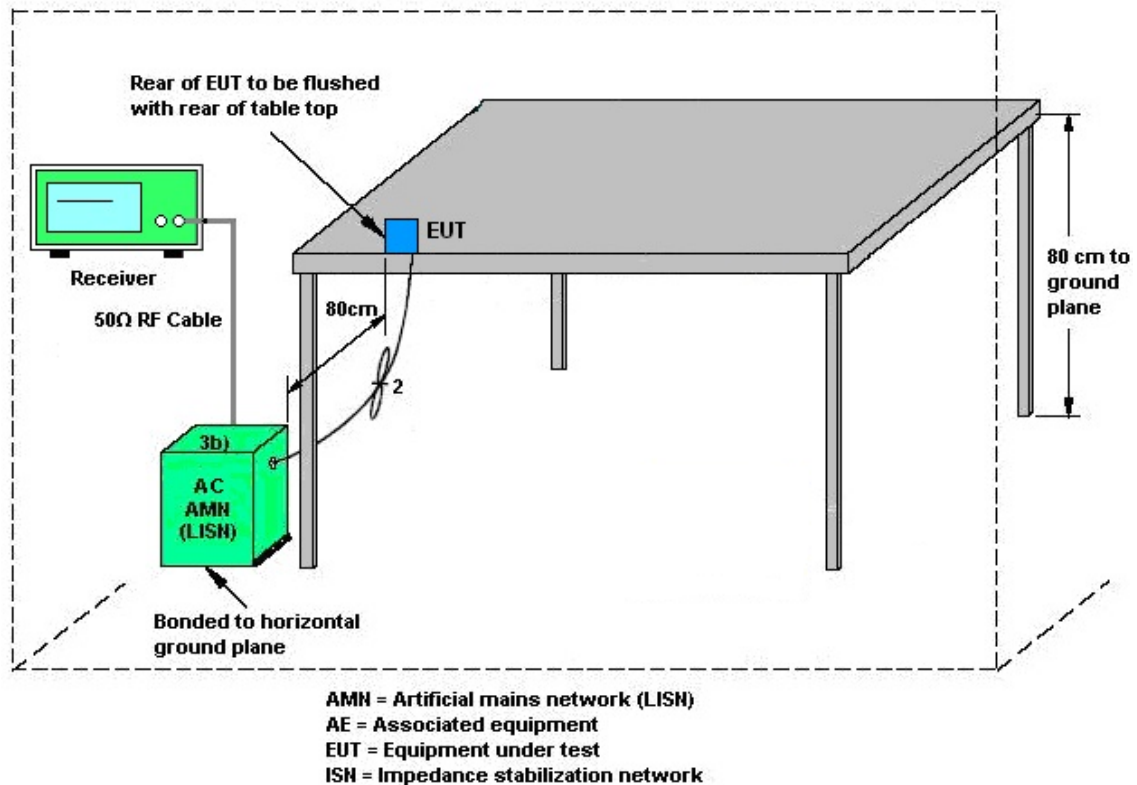
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 09, 2021	Aug. 31, 2022~ Sep. 05, 2022	Sep. 08, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Aug. 31, 2022~ Sep. 05, 2022	Feb. 05, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2021	Aug. 31, 2022~ Sep. 05, 2022	Dec. 26, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2022	Aug. 31, 2022~ Sep. 05, 2022	Jun. 22, 2023	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00993	18GHz~40GHz	Nov. 30, 2021	Aug. 31, 2022~ Sep. 05, 2022	Nov. 29, 2022	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Sep. 02, 2021	Aug. 31, 2022	Sep. 01, 2022	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Sep. 01, 2022	Sep. 01, 2022~ Sep. 05, 2022	Aug. 31, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Dec. 16, 2021	Aug. 31, 2022~ Sep. 05, 2022	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060802	18-40GHz	Mar. 08, 2022	Aug. 31, 2022~ Sep. 05, 2022	Mar. 07, 2023	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Aug. 31, 2022~ Sep. 05, 2022	Oct. 20, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010	MY54200485	10Hz~44GHz	May 07, 2022	Aug. 31, 2022~ Sep. 05, 2022	May 06, 2023	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 31, 2022~ Sep. 05, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 31, 2022~ Sep. 05, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Aug. 31, 2022~ Sep. 05, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE, 508405/2E	30MHz~18G	Nov. 15, 2021	Aug. 31, 2022~ Sep. 05, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	30MHz-40GHz	Jan. 04, 2022	Aug. 31, 2022~ Sep. 05, 2022	Jan. 03, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Aug. 31, 2022~ Sep. 05, 2022	Mar. 09, 2023	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-15 30-6000-40ST	SN4	1.53GHz Low Pass Filter	Jul. 08, 2022	Aug. 31, 2022~ Sep. 05, 2022	Jul. 07, 2023	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN6	6.75GHz High Pass Filter	Jul. 08, 2022	Aug. 31, 2022~ Sep. 05, 2022	Jul. 07, 2023	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Aug. 16, 2022~ Sep. 07, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Aug. 16, 2022~ Sep. 07, 2022	Dec. 28, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Aug. 16, 2022~ Aug. 28, 2022	Aug. 29, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz	Aug. 03, 2022	Aug. 28, 2022~ Sep. 07, 2022	Aug. 02, 2023	Conducted (TH05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 24, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Aug. 24, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Aug. 24, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Aug. 24, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Aug. 24, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	00691	N/A	Aug. 01, 2022	Aug. 24, 2022	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Aug. 24, 2022	Dec. 29, 2022	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.1 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

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

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

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

Test Engineer:	Shiming Liu	Temperature:	21~25	°C
Test Date:	2022/8/16~2022/9/7	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	17.33	-	29.85	-	-	-	22.39	-	
11a	6Mbps	1	44	5220	17.68	-	33.75	-	-	-	22.48	-	
11a	6Mbps	1	48	5240	17.73	-	35.05	-	-	-	22.49	-	
HT20	MCS0	1	36	5180	18.23	-	24.35	-	-	-	22.61	-	
HT20	MCS0	1	44	5220	18.48	-	37.95	-	-	-	22.67	-	
HT20	MCS0	1	48	5240	18.63	-	39.20	-	-	-	22.70	-	
HT40	MCS0	1	38	5190	36.96	-	43.11	-	-	-	23.01	-	
HT40	MCS0	1	46	5230	37.46	-	49.77	-	-	-	23.01	-	
VHT80	MCS0	1	42	5210	74.93	-	86.88	-	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	16.20	-		24.00	-	2.89	-	Pass
11a	6Mbps	1	44	5220	16.10	-		24.00	-	2.89	-	Pass
11a	6Mbps	1	48	5240	16.20	-		24.00	-	2.89	-	Pass
HT20	MCS0	1	36	5180	15.80	-		24.00	-	2.89	-	Pass
HT20	MCS0	1	44	5220	16.70	-		24.00	-	2.89	-	Pass
HT20	MCS0	1	48	5240	16.60	-		24.00	-	2.89	-	Pass
HT40	MCS0	1	38	5190	15.40	-		24.00	-	2.89	-	Pass
HT40	MCS0	1	46	5230	15.60	-		24.00	-	2.89	-	Pass
VHT20	MCS0	1	36	5180	15.70	-		24.00	-	2.89	-	Pass
VHT20	MCS0	1	44	5220	16.20	-		24.00	-	2.89	-	Pass
VHT20	MCS0	1	48	5240	16.10	-		24.00	-	2.89	-	Pass
VHT40	MCS0	1	38	5190	15.30	-		24.00	-	2.89	-	Pass
VHT40	MCS0	1	46	5230	15.20	-		24.00	-	2.89	-	Pass
VHT80	MCS0	1	42	5210	13.80	-		24.00	-	2.89	-	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	6.68	-		11.00	-	2.89	-	Pass
11a	6Mbps	1	44	5220	6.99	-		11.00	-	2.89	-	Pass
11a	6Mbps	1	48	5240	6.67	-		11.00	-	2.89	-	Pass
HT20	MCS0	1	36	5180	5.70	-		11.00	-	2.89	-	Pass
HT20	MCS0	1	44	5220	6.78	-		11.00	-	2.89	-	Pass
HT20	MCS0	1	48	5240	6.77	-		11.00	-	2.89	-	Pass
HT40	MCS0	1	38	5190	2.33	-		11.00	-	2.89	-	Pass
HT40	MCS0	1	46	5230	2.86	-		11.00	-	2.89	-	Pass
VHT80	MCS0	1	42	5210	-1.66	-		11.00	-	2.89	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	17.88	-	34.45	-	23.52	-	29.52	-	23.98	-	
11a	6Mbps	1	60	5300	17.38	-	29.00	-	23.40	-	29.40	-	23.98	-	
11a	6Mbps	1	64	5320	17.38	-	24.80	-	23.40	-	29.40	-	23.98	-	
HT20	MCS0	1	52	5260	18.63	-	36.50	-	23.70	-	29.70	-	23.98	-	
HT20	MCS0	1	60	5300	18.18	-	23.95	-	23.60	-	29.60	-	23.98	-	
HT20	MCS0	1	64	5320	18.23	-	28.05	-	23.61	-	29.61	-	23.98	-	
HT40	MCS0	1	54	5270	37.26	-	50.04	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	37.06	-	43.92	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	74.81	-	87.84	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	16.80	-		23.98	-	3.10	-	26.99	Pass
11a	6Mbps	1	60	5300	16.30	-		23.98	-	3.10	-	26.99	Pass
11a	6Mbps	1	64	5320	16.20	-		23.98	-	3.10	-	26.99	Pass
HT20	MCS0	1	52	5260	16.70	-		23.98	-	3.10	-	26.99	Pass
HT20	MCS0	1	60	5300	15.30	-		23.98	-	3.10	-	26.99	Pass
HT20	MCS0	1	64	5320	15.70	-		23.98	-	3.10	-	26.99	Pass
HT40	MCS0	1	54	5270	15.80	-		23.98	-	3.10	-	26.99	Pass
HT40	MCS0	1	62	5310	14.30	-		23.98	-	3.10	-	26.99	Pass
VHT20	MCS0	1	52	5260	16.30	-		23.98	-	3.10	-	26.99	Pass
VHT20	MCS0	1	60	5300	15.20	-		23.98	-	3.10	-	26.99	Pass
VHT20	MCS0	1	64	5320	15.60	-		23.98	-	3.10	-	26.99	Pass
VHT40	MCS0	1	54	5270	15.30	-		23.98	-	3.10	-	26.99	Pass
VHT40	MCS0	1	62	5310	14.20	-		23.98	-	3.10	-	26.99	Pass
VHT80	MCS0	1	58	5290	13.30	-		23.98	-	3.10	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	7.33	-		11.00	-	3.10	-	Pass
11a	6Mbps	1	60	5300	6.49	-		11.00	-	3.10	-	Pass
11a	6Mbps	1	64	5320	6.63	-		11.00	-	3.10	-	Pass
HT20	MCS0	1	52	5260	7.22	-		11.00	-	3.10	-	Pass
HT20	MCS0	1	60	5300	5.47	-		11.00	-	3.10	-	Pass
HT20	MCS0	1	64	5320	5.84	-		11.00	-	3.10	-	Pass
HT40	MCS0	1	54	5270	2.99	-		11.00	-	3.10	-	Pass
HT40	MCS0	1	62	5310	1.62	-		11.00	-	3.10	-	Pass
VHT80	MCS0	1	58	5290	-1.77	-		11.00	-	3.10	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	17.28	-	23.15	-	23.38	-	29.38	-	23.98	-	----	----
11a	6Mbps	1	116	5580	17.53	-	31.40	-	23.44	-	29.44	-	23.98	-	----	----
11a	6Mbps	1	140	5700	17.33	-	23.15	-	23.39	-	29.39	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.23	-	23.05	-	23.61	-	29.61	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.38	-	29.70	-	23.64	-	29.64	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.28	-	23.25	-	23.62	-	29.62	-	23.98	-	----	----
HT40	MCS0	1	102	5510	37.06	-	44.46	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	37.06	-	43.83	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	37.16	-	44.91	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	74.81	-	90.24	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	74.81	-	109.44	-	23.98	-	30.00	-	23.98	-	----	----

Band III straddle channel single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	144	5720	13.69	-	17.85	-	22.36	-	28.36	-	23.52	-	3.25	-
HT20	MCS0	1	144	5720	14.14	-	18.45	-	22.50	-	28.50	-	23.66	-	3.85	-
HT40	MCS0	1	142	5710	33.68	-	37.05	-	23.98	-	30.00	-	23.98	-	2.73	-
VHT80	MCS0	1	138	5690	72.40	-	91.32	-	23.98	-	30.00	-	23.98	-	2.762	-

TEST RESULTS DATA
Average Power Table

FCC Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	14.40	-		23.98	-	3.98	-	26.99	Pass
11a	6Mbps	1	116	5580	15.40	-		23.98	-	3.98	-	26.99	Pass
11a	6Mbps	1	140	5700	12.70	-		23.98	-	3.98	-	26.99	Pass
HT20	MCS0	1	100	5500	13.70	-		23.98	-	3.98	-	26.99	Pass
HT20	MCS0	1	116	5580	15.60	-		23.98	-	3.98	-	26.99	Pass
HT20	MCS0	1	140	5700	12.10	-		23.98	-	3.98	-	26.99	Pass
HT40	MCS0	1	102	5510	12.30	-		23.98	-	3.98	-	26.99	Pass
HT40	MCS0	1	110	5550	14.70	-		23.98	-	3.98	-	26.99	Pass
HT40	MCS0	1	134	5670	13.80	-		23.98	-	3.98	-	26.99	Pass
VHT20	MCS0	1	100	5500	13.40	-		23.98	-	3.98	-	26.99	Pass
VHT20	MCS0	1	116	5580	15.00	-		23.98	-	3.98	-	26.99	Pass
VHT20	MCS0	1	140	5700	12.00	-		23.98	-	3.98	-	26.99	Pass
VHT40	MCS0	1	102	5510	12.00	-		23.98	-	3.98	-	26.99	Pass
VHT40	MCS0	1	110	5550	14.20	-		23.98	-	3.98	-	26.99	Pass
VHT40	MCS0	1	134	5670	13.40	-		23.98	-	3.98	-	26.99	Pass
VHT80	MCS0	1	106	5530	13.50	-		23.98	-	3.98	-	26.99	Pass
VHT80	MCS0	1	122	5610	13.50	-		23.98	-	3.98	-	26.99	Pass

FCC Band III straddle channel single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	13.80	-		23.52	-	3.98	-	26.99	Pass
HT20	MCS0	1	144	5720	13.90	-		23.66	-	3.98	-	26.99	Pass
HT40	MCS0	1	142	5710	13.00	-		23.98	-	3.98	-	26.99	Pass
VHT20	MCS0	1	144	5720	13.50	-		23.98	-	3.98	-	26.99	Pass
VHT40	MCS0	1	142	5710	12.70	-		23.98	-	3.98	-	26.99	Pass
VHT80	MCS0	1	138	5690	13.10	-		23.98	-	3.98	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	5.09	-		11.00	-	3.98	-	Pass
11a	6Mbps	1	116	5580	6.01	-		11.00	-	3.98	-	Pass
11a	6Mbps	1	140	5700	2.94	-		11.00	-	3.98	-	Pass
HT20	MCS0	1	100	5500	4.13	-		11.00	-	3.98	-	Pass
HT20	MCS0	1	116	5580	5.86	-		11.00	-	3.98	-	Pass
HT20	MCS0	1	140	5700	2.36	-		11.00	-	3.98	-	Pass
HT40	MCS0	1	102	5510	0.01	-		11.00	-	3.98	-	Pass
HT40	MCS0	1	110	5550	2.15	-		11.00	-	3.98	-	Pass
HT40	MCS0	1	134	5670	1.06	-		11.00	-	3.98	-	Pass
VHT80	MCS0	1	106	5530	-2.06	-		11.00	-	3.98	-	Pass
VHT80	MCS0	1	122	5610	-1.44	-		11.00	-	3.98	-	Pass

Band III straddle channel single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	144	5720	4.52	-		11.00	-	3.98	-	Pass
HT20	MCS0	1	144	5720	4.13	-		11.00	-	3.98	-	Pass
HT40	MCS0	1	142	5710	0.34	-		11.00	-	3.98	-	Pass
VHT80	MCS0	1	138	5690	-1.82	-		11.00	-	3.98	-	Pass



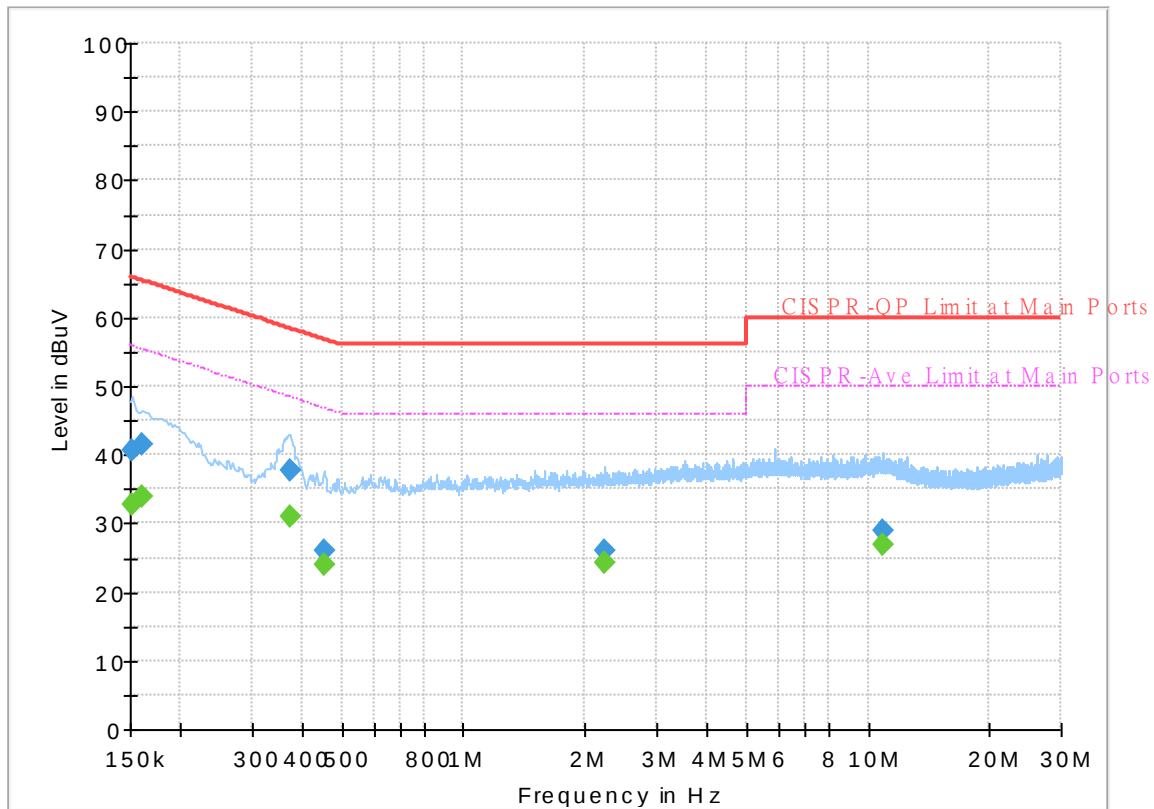
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO : 002036-03
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



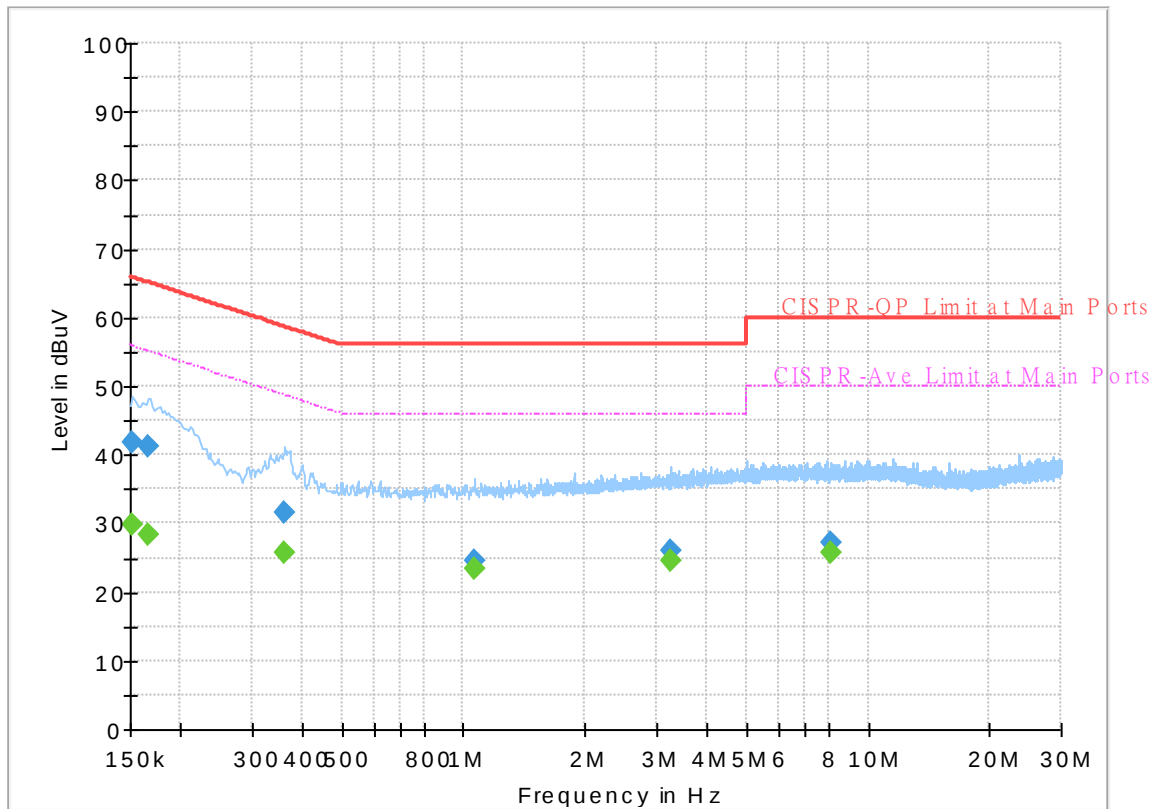
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.75	55.88	23.13	L1	OFF	19.8
0.152250	40.57	---	65.88	25.31	L1	OFF	19.8
0.161250	---	34.01	55.40	21.39	L1	OFF	19.8
0.161250	41.64	---	65.40	23.76	L1	OFF	19.8
0.372750	---	30.94	48.44	17.50	L1	OFF	19.8
0.372750	37.82	---	58.44	20.62	L1	OFF	19.8
0.451500	---	23.92	46.85	22.93	L1	OFF	19.8
0.451500	26.13	---	56.85	30.72	L1	OFF	19.8
2.242500	---	24.32	46.00	21.68	L1	OFF	19.9
2.242500	26.12	---	56.00	29.88	L1	OFF	19.9
10.882500	---	26.78	50.00	23.22	L1	OFF	20.3
10.882500	29.06	---	60.00	30.94	L1	OFF	20.3

EUT Information

Report NO : 002036-03
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)
0.152250	---	29.96	55.88	25.92	N	OFF	19.8
0.152250	41.79	---	65.88	24.09	N	OFF	19.8
0.165750	---	28.45	55.17	26.72	N	OFF	19.8
0.165750	41.13	---	65.17	24.04	N	OFF	19.8
0.361500	---	25.67	48.69	23.02	N	OFF	19.8
0.361500	31.72	---	58.69	26.97	N	OFF	19.8
1.063500	---	23.29	46.00	22.71	N	OFF	19.9
1.063500	24.64	---	56.00	31.36	N	OFF	19.9
3.237000	---	24.61	46.00	21.39	N	OFF	20.0
3.237000	26.03	---	56.00	29.97	N	OFF	20.0
8.049750	---	25.70	50.00	24.30	N	OFF	20.2
8.049750	27.20	---	60.00	32.80	N	OFF	20.2



Appendix C. Radiated Spurious Emission

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

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.72	68.16	-5.84	74	62.59	33.2	9.1	36.73	284	64	P	H
		5150	50	-4	54	44.43	33.2	9.1	36.73	284	64	A	H
	*	5180	112.08	-	-	106.51	33.14	9.16	36.73	284	64	P	H
	*	5180	105.53	-	-	99.96	33.14	9.16	36.73	284	64	A	H
													H
													H
		5145.86	59.72	-14.28	74	54.16	33.2	9.09	36.73	270	89	P	V
		5150	45.57	-8.43	54	40	33.2	9.1	36.73	270	89	A	V
	*	5180	103.64	-	-	98.07	33.14	9.16	36.73	270	89	P	V
	*	5180	97.59	-	-	92.02	33.14	9.16	36.73	270	89	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	46.66	-21.54	68.2	53.9	38.74	12.88	58.86	-	-	P	H
		15540	51.21	-22.79	74	55.46	38.06	15.57	57.88	-	-	P	H
		15540	40.8	-13.2	54	45.05	38.06	15.57	57.88	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	46.9	-21.3	68.2	54.14	38.74	12.88	58.86	-	-	P	V
		15540	50.72	-23.28	74	54.97	38.06	15.57	57.88	-	-	P	V
		15540	40.61	-13.39	54	44.86	38.06	15.57	57.88	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5148.72	64.11	-9.89	74	58.54	33.2	9.1	36.73	273	47	P	H
		5128.18	49.22	-4.78	54	43.69	33.2	9.06	36.73	273	47	A	H
	*	5180	111.18	-	-	105.61	33.14	9.16	36.73	273	47	P	H
	*	5180	104.66	-	-	99.09	33.14	9.16	36.73	273	47	A	H
													H
													H
		5149.76	59.12	-14.88	74	53.55	33.2	9.1	36.73	100	59	P	V
		5128.44	45.72	-8.28	54	40.19	33.2	9.06	36.73	100	59	A	V
	*	5180	106.75	-	-	101.18	33.14	9.16	36.73	100	59	P	V
	*	5180	100.41	-	-	94.84	33.14	9.16	36.73	100	59	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5016.64	48.45	-25.55	74	43.21	33.13	8.84	36.73	284	46	P	H
		5148.46	39	-15	54	33.43	33.2	9.1	36.73	284	46	A	H
	*	5220	112.89	-	-	107.38	33.02	9.22	36.73	284	46	P	H
	*	5220	106.06	-	-	100.55	33.02	9.22	36.73	284	46	A	H
		5422.48	48.15	-25.85	74	42.43	33	9.44	36.72	284	46	P	H
		5404.56	38.89	-15.11	54	33.18	33	9.43	36.72	284	46	A	H
		5007.8	48.12	-25.88	74	42.9	33.12	8.83	36.73	100	65	P	V
		5106.6	38.01	-15.99	54	32.52	33.2	9.02	36.73	100	65	A	V
	*	5220	107.38	-	-	101.87	33.02	9.22	36.73	100	65	P	V
	*	5220	101.38	-	-	95.87	33.02	9.22	36.73	100	65	A	V
		5430.32	48.21	-25.79	74	42.49	33	9.44	36.72	100	65	P	V
		5413.24	38.3	-15.7	54	32.58	33	9.44	36.72	100	65	A	V



802.11n HT20 CH 48 5240MHz		5148.46	48.82	-25.18	74	43.25	33.2	9.1	36.73	296	48	P	H
		5122.2	38.4	-15.6	54	32.88	33.2	9.05	36.73	296	48	A	H
	*	5240	112.64	-	-	107.18	32.94	9.25	36.73	296	48	P	H
	*	5240	105.35	-	-	99.89	32.94	9.25	36.73	296	48	A	H
		5439	48.12	-25.88	74	42.39	33	9.45	36.72	296	48	P	H
		5425.56	39.07	-14.93	54	33.35	33	9.44	36.72	296	48	A	H
		5141.44	47.91	-26.09	74	42.35	33.2	9.09	36.73	100	66	P	V
		5097.5	38.09	-15.91	54	32.62	33.2	9	36.73	100	66	A	V
	*	5240	107.58	-	-	102.12	32.94	9.25	36.73	100	66	P	V
	*	5240	100.51	-	-	95.05	32.94	9.25	36.73	100	66	A	V
		5436.2	47.49	-26.51	74	41.76	33	9.45	36.72	100	66	P	V
		5430.32	38.26	-15.74	54	32.54	33	9.44	36.72	100	66	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	47.58	-20.62	68.2	54.82	38.74	12.88	58.86	-	-	P	H
		15540	49.46	-24.54	74	53.71	38.06	15.57	57.88	-	-	P	H
		15540	40.67	-13.33	54	44.92	38.06	15.57	57.88	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	46.9	-21.3	68.2	53.94	38.74	12.88	58.66	-	-	P	V
		15540	49.12	-24.88	74	53.21	38.06	15.57	57.72	-	-	P	V
		15540	40.33	-13.67	54	44.42	38.06	15.57	57.72	-	-	A	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 44 5220MHz		10440	48.23	-19.97	68.2	55.37	38.74	12.93	58.81	-	-	P	H
		15660	46.56	-27.44	74	51.15	37.76	15.61	57.96	-	-	P	H
		15660	37.77	-16.23	54	42.36	37.76	15.61	57.96	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10440	47.2	-21	68.2	54.15	38.74	12.93	58.62	-	-	P	V
		15660	47.04	-26.96	74	51.47	37.76	15.61	57.8	-	-	P	V
		15660	38.25	-15.75	54	42.68	37.76	15.61	57.8	-	-	A	V
													V
													V
													V
													V
													V
													V
													V

[illegible]



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		5149.38	66.02	-7.98	74	60.45	33.2	9.1	36.73	301	54	P	H
		5150	50.97	-3.03	54	45.4	33.2	9.1	36.73	301	54	A	H
	*	5190	105.88	-	-	100.31	33.12	9.18	36.73	301	54	P	H
	*	5190	98.84	-	-	93.27	33.12	9.18	36.73	301	54	A	H
		5354.16	48.3	-25.7	74	42.73	32.91	9.38	36.72	301	54	P	H
		5393.92	38.44	-15.56	54	32.75	32.99	9.42	36.72	301	54	A	H
		5149.6	63.16	-10.84	74	57.59	33.2	9.1	36.73	100	98	P	V
		5148.06	46.94	-7.06	54	41.37	33.2	9.1	36.73	100	98	A	V
	*	5190	102.5	-	-	96.93	33.12	9.18	36.73	100	98	P	V
	*	5190	94.98	-	-	89.41	33.12	9.18	36.73	100	98	A	V
		5359.2	48.83	-25.17	74	43.25	32.92	9.38	36.72	100	98	P	V
		5370.68	38.11	-15.89	54	32.49	32.94	9.4	36.72	100	98	A	V
802.11n HT40 CH 46 5230MHz		5149.76	50.93	-23.07	74	45.36	33.2	9.1	36.73	100	33	P	H
		5127.14	42.68	-11.32	54	37.15	33.2	9.06	36.73	100	33	A	H
	*	5230	107.3	-	-	101.82	32.98	9.23	36.73	100	33	P	H
	*	5230	99.44	-	-	93.96	32.98	9.23	36.73	100	33	A	H
		5361.16	47.99	-26.01	74	42.4	32.92	9.39	36.72	100	33	P	H
		5421.64	38.6	-15.4	54	32.88	33	9.44	36.72	100	33	A	H
		5147.16	49.87	-24.13	74	44.3	33.2	9.1	36.73	100	61	P	V
		5127.4	40.92	-13.08	54	35.39	33.2	9.06	36.73	100	61	A	V
	*	5230	103.56	-	-	98.08	32.98	9.23	36.73	100	61	P	V
	*	5230	96.4	-	-	90.92	32.98	9.23	36.73	100	61	A	V
		5416.04	47.9	-26.1	74	42.18	33	9.44	36.72	100	61	P	V
		5458.6	38.32	-15.68	54	32.58	33	9.46	36.72	100	61	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)

[illegible]

[illegible]



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		5148.46	58.7	-15.3	74	53.13	33.2	9.1	36.73	330	50	P	H
		5149.5	48.46	-5.54	54	42.89	33.2	9.1	36.73	330	50	A	H
	*	5210	103.42	-	-	97.88	33.06	9.21	36.73	330	50	P	H
	*	5210	96.79	-	-	91.25	33.06	9.21	36.73	330	50	A	H
		5355.84	47.31	-26.69	74	41.74	32.91	9.38	36.72	330	50	P	H
		5358.92	41.23	-12.77	54	35.65	32.92	9.38	36.72	330	50	A	H
		5148.72	55	-19	74	49.43	33.2	9.1	36.73	100	67	P	V
		5149.76	44.97	-9.03	54	39.4	33.2	9.1	36.73	100	67	A	V
	*	5210	99.91	-	-	94.37	33.06	9.21	36.73	100	67	P	V
	*	5210	92.51	-	-	86.97	33.06	9.21	36.73	100	67	A	V
		5411.28	47.03	-26.97	74	41.31	33	9.44	36.72	100	67	P	V
		5421.92	40.77	-13.23	54	35.05	33	9.44	36.72	100	67	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)

[illegible]



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 60 5300MHz		5109.14	47.67	-26.33	74	42.18	33.2	9.02	36.73	313	49	P	H
		5103.02	38.35	-15.65	54	32.87	33.2	9.01	36.73	313	49	A	H
	*	5300	111.77	-	-	106.37	32.8	9.32	36.72	313	49	P	H
	*	5300	104.81	-	-	99.41	32.8	9.32	36.72	313	49	A	H
		5352.72	57.2	-16.8	74	51.63	32.91	9.38	36.72	313	49	P	H
		5352.24	50.35	-3.65	54	44.79	32.9	9.38	36.72	313	49	A	H
		5085.68	46.95	-27.05	74	41.5	33.2	8.98	36.73	270	334	P	V
		5114.24	37.63	-16.37	54	32.13	33.2	9.03	36.73	270	334	A	V
	*	5300	107	-	-	101.6	32.8	9.32	36.72	270	334	P	V
	*	5300	99.64	-	-	94.24	32.8	9.32	36.72	270	334	A	V
		5352.48	52.72	-21.28	74	47.16	32.9	9.38	36.72	270	334	P	V
		5352.24	46.07	-7.93	54	40.51	32.9	9.38	36.72	270	334	A	V
802.11a CH 64 5320MHz	*	5320	111.55	-	-	106.09	32.84	9.34	36.72	300	44	P	H
	*	5320	104.43	-	-	98.97	32.84	9.34	36.72	300	44	A	H
		5351.84	63.27	-10.73	74	57.72	32.9	9.37	36.72	300	44	P	H
		5372.16	49.57	-4.43	54	43.95	32.94	9.4	36.72	300	44	A	H
													H
													H
	*	5320	106.81	-	-	101.35	32.84	9.34	36.72	300	330	P	V
	*	5320	99.61	-	-	94.15	32.84	9.34	36.72	300	330	A	V
		5352.64	58.68	-15.32	74	53.11	32.91	9.38	36.72	300	330	P	V
		5372.32	45.63	-8.37	54	40.01	32.94	9.4	36.72	300	330	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)
i802.11a CH 60 5300MHz		10600	47.25	-26.75	74	53.91	39	13.02	58.68	-	-	P	H
		15900	51.42	-22.58	74	56.35	37.5	15.7	58.13	289	68	P	H
		15900	44.23	-9.77	54	49.16	37.5	15.7	58.13	289	68	A	H
													H
													H
													H
													H
													H
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													H
		10600	46.98	-27.02	74	53.64	39	13.02	58.68	-	-	P	V
		15900	47.44	-26.56	74	52.37	37.5	15.7	58.13	-	-	P	V
													V
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Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz		10640	51.74	-22.26	74	58.3	39.04	13.04	58.64	-	-	P	H
		10640	44.25	-9.75	54	50.81	39.04	13.04	58.64	-	-	A	H
		15960	46.5	-27.5	74	51.45	37.5	15.72	58.17	-	-	P	H
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		10640	47.17	-26.83	74	53.73	39.04	13.04	58.64	-	-	P	V
		15960	46.48	-27.52	74	51.43	37.5	15.72	58.17	-	-	P	V
													V
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Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5073.44	47.96	-26.04	74	42.54	33.2	8.95	36.73	300	49	P	H
		5064.94	38.28	-15.72	54	32.87	33.2	8.94	36.73	300	49	A	H
	*	5260	112.15	-	-	106.72	32.88	9.27	36.72	300	49	P	H
	*	5260	104.55	-	-	99.12	32.88	9.27	36.72	300	49	A	H
		5423.28	48.89	-25.11	74	43.17	33	9.44	36.72	300	49	P	H
		5351.76	39.05	-14.95	54	33.5	32.9	9.37	36.72	300	49	A	H
		5067.32	48.37	-25.63	74	42.96	33.2	8.94	36.73	100	69	P	V
		5073.44	37.84	-16.16	54	32.42	33.2	8.95	36.73	100	69	A	V
	*	5260	106.51	-	-	101.08	32.88	9.27	36.72	100	69	P	V
	*	5260	98.98	-	-	93.55	32.88	9.27	36.72	100	69	A	V
		5397.84	48.68	-25.32	74	42.97	33	9.43	36.72	100	69	P	V
		5351.52	38.3	-15.7	54	32.75	32.9	9.37	36.72	100	69	A	V
802.11n HT20 CH 60 5300MHz		5130.9	47.83	-26.17	74	42.29	33.2	9.07	36.73	316	49	P	H
		5106.42	38.11	-15.89	54	32.62	33.2	9.02	36.73	316	49	A	H
	*	5300	111.03	-	-	105.63	32.8	9.32	36.72	316	49	P	H
	*	5300	103.48	-	-	98.08	32.8	9.32	36.72	316	49	A	H
		5351.76	57.2	-16.8	74	51.65	32.9	9.37	36.72	316	49	P	H
		5351.52	50.77	-3.23	54	45.22	32.9	9.37	36.72	316	49	A	H
		5119.34	47.5	-26.5	74	41.99	33.2	9.04	36.73	300	330	P	V
		5104.72	37.89	-16.11	54	32.41	33.2	9.01	36.73	300	330	A	V
	*	5300	105.37	-	-	99.97	32.8	9.32	36.72	300	330	P	V
	*	5300	98.18	-	-	92.78	32.8	9.32	36.72	300	330	A	V
		5352	53.76	-20.24	74	48.21	32.9	9.37	36.72	300	330	P	V
		5351.76	45.94	-8.06	54	40.39	32.9	9.37	36.72	300	330	A	V



802.11n HT20 CH 64 5320MHz	*	5320	111.3	-	-	105.84	32.84	9.34	36.72	300	46	P	H
	*	5320	104.05	-	-	98.59	32.84	9.34	36.72	300	46	A	H
		5350.4	59.13	-14.87	74	53.58	32.9	9.37	36.72	300	46	P	H
		5371.84	50.47	-3.53	54	44.85	32.94	9.4	36.72	300	46	A	H
													H
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	*	5320	106.16	-	-	100.7	32.84	9.34	36.72	262	334	P	V
	*	5320	98.77	-	-	93.31	32.84	9.34	36.72	262	334	A	V
		5352.32	56.48	-17.52	74	50.92	32.9	9.38	36.72	262	334	P	V
		5371.68	45.37	-8.63	54	39.75	32.94	9.4	36.72	262	334	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	47.92	-20.28	68.2	54.87	38.84	12.97	58.76	-	-	P	H
		15780	47.97	-26.03	74	52.6	37.76	15.66	58.05	-	-	P	H
		15780	39.18	-14.82	54	43.81	37.76	15.66	58.05	-	-	A	H
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		10520	47.87	-20.33	68.2	54.64	38.84	12.97	58.58	-	-	P	V
		15780	47.74	-26.26	74	52.19	37.76	15.66	57.87	-	-	P	V
		15780	38.95	-15.05	54	43.4	37.76	15.66	57.87	-	-	A	V
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WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 60 5300MHz		10600	48.34	-25.66	74	55	39	13.02	58.68	-	-	P	H
		10600	39.55	-14.45	54	46.21	39	13.02	58.68	-	-	A	H
		15900	48.86	-25.14	74	53.79	37.5	15.7	58.13	-	-	P	H
		15900	40.07	-13.93	54	45	37.5	15.7	58.13	-	-	A	H
													H
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		10600	47.68	-26.32	74	54.18	39	13.02	58.52	-	-	P	V
		10600	38.89	-15.11	54	45.39	39	13.02	58.52	-	-	A	V
		15900	48.63	-25.37	74	53.37	37.5	15.7	57.94	-	-	P	V
		15900	39.84	-14.16	54	44.58	37.5	15.7	57.94	-	-	A	V
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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		5141.78	48.6	-25.4	74	43.04	33.2	9.09	36.73	300	56	P	H
		5134.98	38.54	-15.46	54	33	33.2	9.07	36.73	300	56	A	H
	*	5270	107.43	-	-	102.01	32.86	9.28	36.72	300	56	P	H
	*	5270	100.22	-	-	94.8	32.86	9.28	36.72	300	56	A	H
		5372.16	52.05	-21.95	74	46.43	32.94	9.4	36.72	300	56	P	H
		5372.64	43.55	-10.45	54	37.92	32.95	9.4	36.72	300	56	A	H
		5135.32	47.45	-26.55	74	41.91	33.2	9.07	36.73	100	59	P	V
		5135.66	38.13	-15.87	54	32.59	33.2	9.07	36.73	100	59	A	V
	*	5270	104.01	-	-	98.59	32.86	9.28	36.72	100	59	P	V
	*	5270	96.74	-	-	91.32	32.86	9.28	36.72	100	59	A	V
		5351.52	51.95	-22.05	74	46.4	32.9	9.37	36.72	100	59	P	V
		5372.4	41.87	-12.13	54	36.25	32.94	9.4	36.72	100	59	A	V
802.11n HT40 CH 62 5310MHz		5103.02	47.66	-26.34	74	42.18	33.2	9.01	36.73	265	52	P	H
		5081.26	38.03	-15.97	54	32.59	33.2	8.97	36.73	265	52	A	H
	*	5310	106.73	-	-	101.3	32.82	9.33	36.72	265	52	P	H
	*	5310	99.03	-	-	93.6	32.82	9.33	36.72	265	52	A	H
		5350.08	63.35	-10.65	74	57.8	32.9	9.37	36.72	265	52	P	H
		5351.52	50.98	-3.02	54	45.43	32.9	9.37	36.72	265	52	A	H
		5133.62	47.05	-26.95	74	41.51	33.2	9.07	36.73	100	60	P	V
		5135.66	37.74	-16.26	54	32.2	33.2	9.07	36.73	100	60	A	V
	*	5310	103.08	-	-	97.65	32.82	9.33	36.72	100	60	P	V
	*	5310	95.78	-	-	90.35	32.82	9.33	36.72	100	60	A	V
		5351.04	65.18	-8.82	74	59.63	32.9	9.37	36.72	100	60	P	V
		5350.32	50.63	-3.37	54	45.08	32.9	9.37	36.72	100	60	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	47.87	-20.33	68.2	54.75	38.88	12.98	58.74	-	-	P	H
		15810	48.79	-25.21	74	53.42	37.77	15.67	58.07	-	-	P	H
		15810	40	-14	54	44.63	37.77	15.67	58.07	-	-	A	H
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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		5145.86	47.97	-26.03	74	42.41	33.2	9.09	36.73	282	54	P	H
		5143.14	40.46	-13.54	54	34.9	33.2	9.09	36.73	282	54	A	H
	*	5290	101.84	-	-	96.44	32.82	9.3	36.72	282	54	P	H
	*	5290	95.75	-	-	90.35	32.82	9.3	36.72	282	54	A	H
		5374.56	59.96	-14.04	74	54.33	32.95	9.4	36.72	282	54	P	H
		5374.08	49.91	-4.09	54	44.28	32.95	9.4	36.72	282	54	A	H
		5069.02	46.71	-27.29	74	41.3	33.2	8.94	36.73	277	331	P	V
		5043.18	40.1	-13.9	54	34.75	33.19	8.89	36.73	277	331	A	V
	*	5290	98.69	-	-	93.29	32.82	9.3	36.72	277	331	P	V
	*	5290	92.19	-	-	86.79	32.82	9.3	36.72	277	331	A	V
		5365.92	53.99	-20.01	74	48.39	32.93	9.39	36.72	277	331	P	V
		5372.88	46.1	-7.9	54	40.47	32.95	9.4	36.72	277	331	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)

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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		5447.24	56.63	-17.37	74	50.9	33	9.45	36.72	287	53	P	H
		5470	61.73	-6.47	68.2	55.99	33	9.46	36.72	287	53	P	H
		5447.75	49.3	-4.7	54	43.57	33	9.45	36.72	287	53	A	H
	*	5500	111.92	-	-	106.16	33	9.48	36.72	287	53	P	H
	*	5500	101.37	-	-	95.61	33	9.48	36.72	287	53	A	H
													H
		5447.75	52.66	-21.34	74	46.93	33	9.45	36.72	100	90	P	V
		5468.66	56.77	-11.43	68.2	51.03	33	9.46	36.72	100	90	P	V
		5447.75	44.14	-9.86	54	38.41	33	9.45	36.72	100	90	A	V
	*	5500	106.05	-	-	100.29	33	9.48	36.72	100	90	P	V
	*	5500	95.46	-	-	89.7	33	9.48	36.72	100	90	A	V
													V
802.11a CH 140 5700MHz	*	5700	108.84	-	-	102.29	33.7	9.57	36.72	202	66	P	H
	*	5700	99.49	-	-	92.94	33.7	9.57	36.72	202	66	A	H
		5725.73	63.06	-5.14	68.2	56.35	33.85	9.58	36.72	202	66	P	H
													H
													H
													H
	*	5700	102.72	-	-	96.17	33.7	9.57	36.72	400	109	P	V
	*	5700	93.34	-	-	86.79	33.7	9.57	36.72	400	109	A	V
		5727.855	56.43	-11.77	68.2	49.7	33.87	9.58	36.72	400	109	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	52.31	-21.69	74	58.46	38.9	13.23	58.28	274	306	P	H
		11000	45.12	-8.88	54	51.27	38.9	13.23	58.28	274	306	A	H
		16500	48.19	-20.01	68.2	52.74	38.1	16.06	58.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	52.11	-21.89	74	58.26	38.9	13.23	58.28	174	375	P	V
		11000	44.96	-9.04	54	51.11	38.9	13.23	58.28	174	375	A	V
		16500	47.74	-20.46	68.2	52.29	38.1	16.06	58.71	-	-	P	V
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Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5448.09	56.97	-17.03	74	51.24	33	9.45	36.72	294	54	P	H
		5469.17	60.14	-8.06	68.2	54.4	33	9.46	36.72	294	54	P	H
		5448.43	50.04	-3.96	54	44.31	33	9.45	36.72	294	54	A	H
	*	5500	112.2	-	-	106.44	33	9.48	36.72	294	54	P	H
	*	5500	100.44	-	-	94.68	33	9.48	36.72	294	54	A	H
													H
		5447.75	52.09	-21.91	74	46.36	33	9.45	36.72	349	328	P	V
		5469.51	57.87	-10.33	68.2	52.13	33	9.46	36.72	349	328	P	V
		5448.43	44.27	-9.73	54	38.54	33	9.45	36.72	349	328	A	V
	*	5500	103.79	-	-	98.03	33	9.48	36.72	349	328	P	V
	*	5500	95.85	-	-	90.09	33	9.48	36.72	349	328	A	V
													V
802.11n HT20 CH 116 5580MHz		5350.9	48.54	-25.46	74	42.99	32.9	9.37	36.72	300	49	P	H
		5467	48.27	-19.93	68.2	42.53	33	9.46	36.72	300	49	P	H
		5393.8	38.9	-15.1	54	33.21	32.99	9.42	36.72	300	49	A	H
	*	5580	111.61	-	-	105.86	32.96	9.51	36.72	300	49	P	H
	*	5580	104.42	-	-	98.67	32.96	9.51	36.72	300	49	A	H
		5759.015	48.1	-20.1	68.2	41.18	34.04	9.59	36.71	300	49	P	H
		5390.5	48.2	-25.8	74	42.52	32.98	9.42	36.72	400	317	P	V
		5464.3	46.47	-21.73	68.2	40.73	33	9.46	36.72	400	317	P	V
		5459.8	38.17	-15.83	54	32.43	33	9.46	36.72	400	317	A	V
	*	5580	104.62	-	-	98.87	32.96	9.51	36.72	400	317	P	V
	*	5580	97.37	-	-	91.62	32.96	9.51	36.72	400	317	A	V
		5753.345	47.77	-20.43	68.2	40.88	34.01	9.59	36.71	400	317	P	V



802.11n HT20 CH 140 5700MHz	*	5700	109.83	-	-	103.28	33.7	9.57	36.72	246	57	P	H
	*	5700	99.67	-	-	93.12	33.7	9.57	36.72	246	57	A	H
		5725.135	64.09	-4.11	68.2	57.38	33.85	9.58	36.72	246	57	P	H
													H
													H
													H
	*	5700	104.07	-	-	97.52	33.7	9.57	36.72	100	88	P	V
	*	5700	94.11	-	-	87.56	33.7	9.57	36.72	100	88	A	V
		5725.475	58.34	-9.86	68.2	51.63	33.85	9.58	36.72	100	88	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	50.21	-23.79	74	56.36	38.9	13.23	58.28	-	-	P	H
		11000	41.42	-12.58	54	47.57	38.9	13.23	58.28	-	-	A	H
		16500	48.61	-19.59	68.2	53.16	38.1	16.06	58.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	48.83	-25.17	74	54.9	38.9	13.23	58.2	-	-	P	V
		11000	40.04	-13.96	54	46.11	38.9	13.23	58.2	-	-	A	V
		16500	48.43	-19.77	68.2	52.97	38.1	16.06	58.7	-	-	P	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 116 5580MHz		11160	49.11	-24.89	74	55.1	38.82	13.32	58.13	-	-	P	H
		11160	40.32	-13.68	54	46.31	38.82	13.32	58.13	-	-	A	H
		16740	49.24	-18.96	68.2	54.21	38	16.22	59.19	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11160	48.65	-25.35	74	54.58	38.82	13.32	58.07	-	-	P	V
		11160	39.86	-14.14	54	45.79	38.82	13.32	58.07	-	-	A	V
		16740	50.36	-17.84	68.2	55.18	38	16.22	59.04	-	-	P	V
													V
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													V
													V

[illegible]



Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5459.25	57.52	-16.48	74	51.78	33	9.46	36.72	265	55	P	H
		5468.18	61.83	-6.37	68.2	56.09	33	9.46	36.72	265	55	P	H
		5407.38	43.46	-10.54	54	37.75	33	9.43	36.72	265	55	A	H
	*	5510	107.73	-	-	101.99	32.98	9.48	36.72	265	55	P	H
	*	5510	98.6	-	-	92.86	32.98	9.48	36.72	265	55	A	H
		5747.045	48.54	-19.66	68.2	41.69	33.98	9.59	36.72	265	55	P	H
		5459.25	51.2	-22.8	74	45.46	33	9.46	36.72	300	332	P	V
		5470	58.85	-9.35	68.2	53.11	33	9.46	36.72	300	332	P	V
		5407.38	40.05	-13.95	54	34.34	33	9.43	36.72	300	332	A	V
	*	5510	99.81	-	-	94.07	32.98	9.48	36.72	300	332	P	V
	*	5510	91.27	-	-	85.53	32.98	9.48	36.72	300	332	A	V
		5754.605	48.04	-20.16	68.2	41.14	34.02	9.59	36.71	300	332	P	V
802.11n HT40 CH 110 5550MHz		5446.6	53.05	-20.95	74	47.32	33	9.45	36.72	300	51	P	H
		5468.5	51.98	-16.22	68.2	46.24	33	9.46	36.72	300	51	P	H
		5447.5	45.14	-8.86	54	39.41	33	9.45	36.72	300	51	A	H
	*	5550	109.55	-	-	103.87	32.9	9.5	36.72	300	51	P	H
	*	5550	98.67	-	-	92.99	32.9	9.5	36.72	300	51	A	H
		5759.645	48.46	-19.74	68.2	41.54	34.04	9.59	36.71	300	51	P	H
		5396.2	48.8	-25.2	74	43.1	32.99	9.43	36.72	100	91	P	V
		5460.7	47.99	-20.21	68.2	42.25	33	9.46	36.72	100	91	P	V
		5447.5	40.56	-13.44	54	34.83	33	9.45	36.72	100	91	A	V
	*	5550	99.91	-	-	94.23	32.9	9.5	36.72	100	91	P	V
	*	5550	92.51	-	-	86.83	32.9	9.5	36.72	100	91	A	V
		5763.425	48.07	-20.13	68.2	41.14	34.05	9.59	36.71	100	91	P	V



802.11n HT40 CH 134 5670MHz		5407.75	46.5	-27.5	74	40.79	33	9.43	36.72	311	51	P	H
		5464.8	46.22	-21.98	68.2	40.48	33	9.46	36.72	311	51	P	H
		5448	38.26	-15.74	54	32.53	33	9.45	36.72	311	51	A	H
	*	5670	102.91	-	-	96.74	33.34	9.55	36.72	311	51	P	H
	*	5670	96.13	-	-	89.96	33.34	9.55	36.72	311	51	A	H
		5726.5	53.82	-14.38	68.2	47.1	33.86	9.58	36.72	311	51	P	H
		5400.75	47.27	-26.73	74	41.56	33	9.43	36.72	100	93	P	V
		5469	45.87	-22.33	68.2	40.13	33	9.46	36.72	100	93	P	V
		5441.7	38.31	-15.69	54	32.58	33	9.45	36.72	100	93	A	V
	*	5670	102.82	-	-	96.65	33.34	9.55	36.72	100	93	P	V
	*	5670	95.46	-	-	89.29	33.34	9.55	36.72	100	93	A	V
		5728.425	55.72	-12.48	68.2	48.99	33.87	9.58	36.72	100	93	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	53.78	-20.22	74	59.94	38.86	13.24	58.26	251	320	P	H
		11020	47.92	-6.08	54	54.08	38.86	13.24	58.26	251	320	A	H
		16530	47.09	-21.11	68.2	51.74	38.04	16.08	58.77	-	-	P	H
													H
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													H
													H
													H
													H
													H
													H
													H
		11020	52.76	-21.24	74	58.84	38.86	13.24	58.18	176	350	P	V
		11020	45.71	-8.29	54	51.79	38.86	13.24	58.18	176	350	A	V
		16530	46.94	-21.26	68.2	51.56	38.04	16.08	58.74	-	-	P	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 110 5550MHz		11100	54.23	-19.77	74	60.43	38.7	13.29	58.19	293	324	P	H
		11100	48.3	-5.7	54	54.5	38.7	13.29	58.19	293	324	A	H
		16650	48.33	-19.87	68.2	53.23	37.95	16.16	59.01	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11100	53.12	-20.88	74	59.25	38.7	13.29	58.12	177	350	P	V
		11100	45.77	-8.23	54	51.9	38.7	13.29	58.12	177	350	A	V
		16650	48.18	-20.02	68.2	52.98	37.95	16.16	58.91	-	-	P	V
													V
													V
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													V
													V
													V

[illegible]



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5459.68	58.13	-15.87	74	52.39	33	9.46	36.72	302	49	P	H
		5468.56	62.64	-5.56	68.2	56.9	33	9.46	36.72	302	49	P	H
		5458.72	48.99	-5.01	54	43.25	33	9.46	36.72	302	49	A	H
	*	5530	103.86	-	-	98.15	32.94	9.49	36.72	302	49	P	H
	*	5530	97.55	-	-	91.84	32.94	9.49	36.72	302	49	A	H
		5734.445	47.66	-20.54	68.2	40.89	33.91	9.58	36.72	302	49	P	H
		5459.92	53.64	-20.36	74	47.9	33	9.46	36.72	100	71	P	V
		5469.28	56.82	-11.38	68.2	51.08	33	9.46	36.72	100	71	P	V
		5459.92	44.35	-9.65	54	38.61	33	9.46	36.72	100	71	A	V
	*	5530	98.42	-	-	92.71	32.94	9.49	36.72	100	71	P	V
	*	5530	91.68	-	-	85.97	32.94	9.49	36.72	100	71	A	V
		5761.85	47.22	-20.98	68.2	40.29	34.05	9.59	36.71	100	71	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)

[illegible]



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		5425.66	48.01	-25.99	74	42.29	33	9.44	36.72	214	68	P	H
		5466.22	46.64	-21.56	68.2	40.9	33	9.46	36.72	214	68	P	H
		5435.02	38.56	-15.44	54	32.83	33	9.45	36.72	214	68	A	H
	*	5720	112.23	-	-	105.56	33.82	9.57	36.72	214	68	P	H
	*	5720	99.55	-	-	92.88	33.82	9.57	36.72	214	68	A	H
		5893.25	49.43	-18.77	68.2	42.11	34.29	9.74	36.71	214	68	P	H
		5407.33	47.63	-26.37	74	41.92	33	9.43	36.72	100	89	P	V
		5468.95	46.71	-21.49	68.2	40.97	33	9.46	36.72	100	89	P	V
		5433.85	38.2	-15.8	54	32.47	33	9.45	36.72	100	89	A	V
	*	5720	106.46	-	-	99.79	33.82	9.57	36.72	100	89	P	V
	*	5720	96.65	-	-	89.98	33.82	9.57	36.72	100	89	A	V
		5893.5	49.35	-18.85	68.2	42.03	34.29	9.74	36.71	100	89	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	55.25	-18.75	74	60.65	39	13.48	57.88	188	324	P	H
		11440	49.36	-4.64	54	54.76	39	13.48	57.88	188	324	A	H
		17160	50.93	-17.27	68.2	56.28	37.96	16.48	59.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	52.25	-21.75	74	57.62	39	13.48	57.85	201	347	P	V
		11440	46.25	-7.75	54	51.62	39	13.48	57.85	201	347	A	V
		17160	50.81	-17.39	68.2	55.87	37.96	16.48	59.5	-	-	P	V
													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 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		5421.76	47.86	-26.14	74	42.14	33	9.44	36.72	217	71	P	H
		5460.76	46.93	-21.27	68.2	41.19	33	9.46	36.72	217	71	P	H
		5433.85	38.64	-15.36	54	32.91	33	9.45	36.72	217	71	A	H
	*	5720	110.9	-	-	104.23	33.82	9.57	36.72	217	71	P	H
	*	5720	99.78	-	-	93.11	33.82	9.57	36.72	217	71	A	H
		5936.5	50.28	-17.92	68.2	43.05	34.15	9.79	36.71	217	71	P	H
		5377.69	47.42	-26.58	74	41.78	32.96	9.4	36.72	100	87	P	V
		5460.37	46.23	-21.97	68.2	40.49	33	9.46	36.72	100	87	P	V
		5434.63	38.18	-15.82	54	32.45	33	9.45	36.72	100	87	A	V
	*	5720	106.46	-	-	99.79	33.82	9.57	36.72	100	87	P	V
	*	5720	96.06	-	-	89.39	33.82	9.57	36.72	180	87	A	V
		5927	49.41	-18.79	68.2	42.15	34.19	9.78	36.71	100	87	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)
802.11n HT20 CH 144 5720MHz		11440	54	-20	74	59.4	39	13.48	57.88	282	284	P	H
		11440	47.37	-6.63	54	52.77	39	13.48	57.88	282	284	A	H
		17160	50.95	-17.25	68.2	56.3	37.96	16.48	59.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	53.53	-20.47	74	58.9	39	13.48	57.85	193	347	P	V
		11440	45.42	-8.58	54	50.79	39	13.48	57.85	193	347	A	V
		17160	50.9	-17.3	68.2	55.96	37.96	16.48	59.5	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



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		5361.31	48.3	-25.7	74	42.71	32.92	9.39	36.72	100	39	P	H
		5464.66	46.87	-21.33	68.2	41.13	33	9.46	36.72	100	39	P	H
		5445.94	38.56	-15.44	54	32.83	33	9.45	36.72	100	39	A	H
	*	5710	104.86	-	-	98.25	33.76	9.57	36.72	100	39	P	H
	*	5710	97.15	-	-	90.54	33.76	9.57	36.72	100	39	A	H
		5912.75	49.63	-18.57	68.2	42.33	34.25	9.76	36.71	100	39	P	H
		5413.57	47.39	-26.61	74	41.67	33	9.44	36.72	106	93	P	V
		5467.78	46.38	-21.82	68.2	40.64	33	9.46	36.72	106	93	P	V
		5453.35	38.12	-15.88	54	32.39	33	9.45	36.72	106	93	A	V
	*	5710	102.41	-	-	95.8	33.76	9.57	36.72	106	93	P	V
	*	5710	95.14	-	-	88.53	33.76	9.57	36.72	106	93	A	V
		5920.25	49.32	-18.88	68.2	42.04	34.22	9.77	36.71	106	93	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)

[illegible]



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		5424.1	48.43	-25.57	74	42.71	33	9.44	36.72	299	48	P	H
		5460.37	47.53	-20.67	68.2	41.79	33	9.46	36.72	299	48	P	H
		5451.79	40.88	-13.12	54	35.15	33	9.45	36.72	299	48	A	H
	*	5690	102.58	-	-	96.16	33.58	9.56	36.72	299	48	P	H
	*	5690	96.42	-	-	90	33.58	9.56	36.72	299	48	A	H
		5878.9	48.6	-19.6	68.2	41.33	34.26	9.72	36.71	299	48	P	H
		5404.99	47.42	-26.58	74	41.71	33	9.43	36.72	100	66	P	V
		5467.78	45.88	-22.32	68.2	40.14	33	9.46	36.72	100	66	P	V
		5410.45	40.55	-13.45	54	34.84	33	9.43	36.72	100	66	A	V
	*	5690	100.39	-	-	93.97	33.58	9.56	36.72	100	66	P	V
	*	5690	93.39	-	-	86.97	33.58	9.56	36.72	100	66	A	V
		5941.6	48.08	-20.12	68.2	40.86	34.13	9.8	36.71	100	66	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)

[illegible]

Emission above 18GHz

WIFI 802.11n HT40 (SHF @ 1m)[illegible]

Emission below 1GHz

WIFI 802.11n HT40 (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)
802.11n HT40 LF		53.28	32.29	-7.71	40	51.14	12.78	0.93	32.56	-	-	P	H
		70.74	21.95	-18.05	40	41.13	12.29	1.04	32.51	-	-	P	H
		134.76	25.44	-18.06	43.5	39.03	17.44	1.48	32.51	-	-	P	H
		196.84	22.4	-21.1	43.5	38.52	14.7	1.68	32.5	-	-	P	H
		278.32	28.96	-17.04	46	40.64	18.7	2.04	32.42	-	-	P	H
		955.38	33.18	-12.82	46	29.6	30.92	3.83	31.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		30	33.24	-6.76	40	40.77	24.3	0.64	32.47	-	-	P	V
		52.31	31.82	-8.18	40	50.36	13.11	0.92	32.57	-	-	P	V
		91.11	27.69	-15.81	43.5	44.3	14.72	1.13	32.46	-	-	P	V
		152.22	25.45	-18.05	43.5	39.44	16.9	1.58	32.47	-	-	P	V
		394.72	29.11	-16.89	46	37.78	21.47	2.34	32.48	-	-	P	V
		953.44	32.86	-13.14	46	29.41	30.82	3.82	31.19	-	-	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 over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical

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

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

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

For Peak Limit @ 5150MHz:

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

For Average Limit @ 5150MHz:

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

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



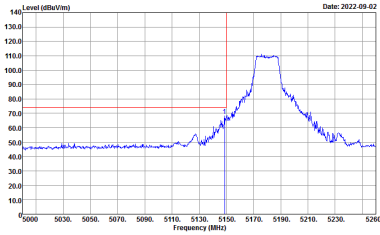
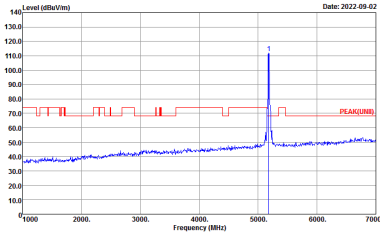
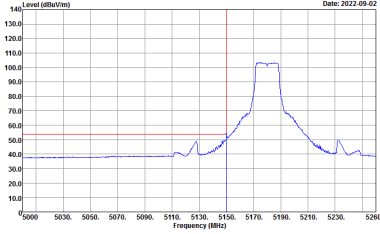
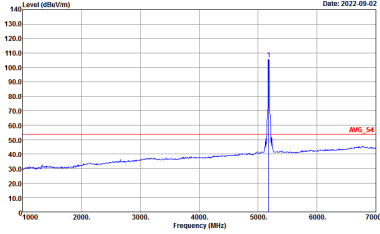
Appendix D. Radiated Spurious Emission Plots

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

Note symbol

-L	Low channel location
-R	High channel location

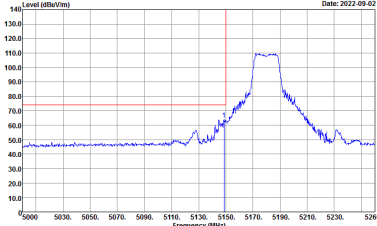
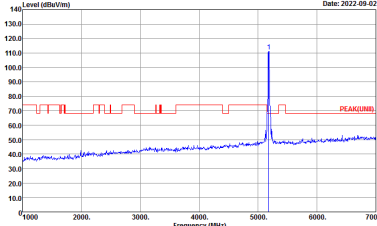
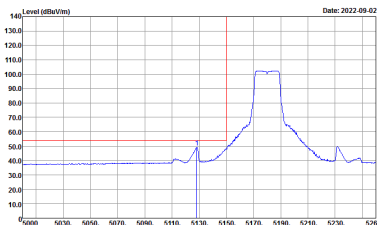
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

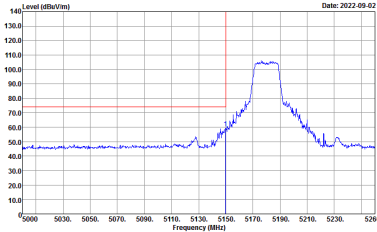
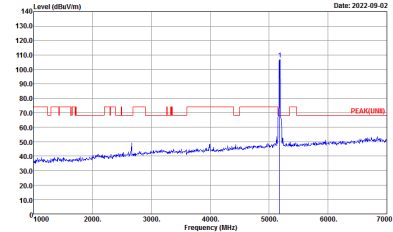
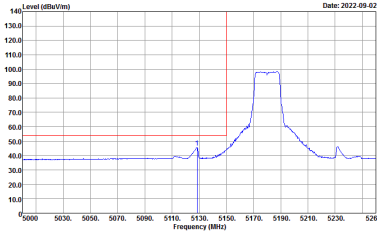
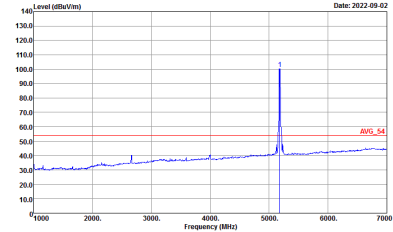
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



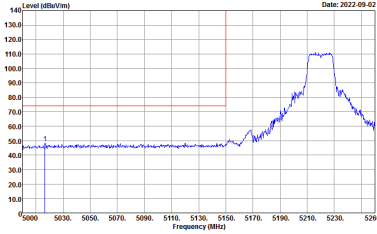
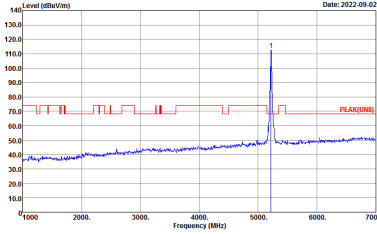
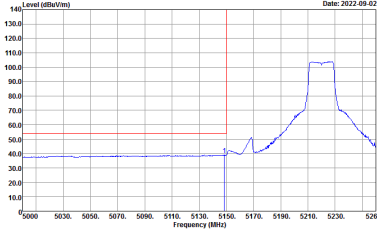
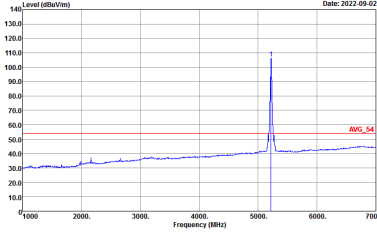
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

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

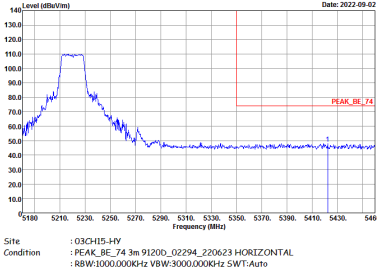
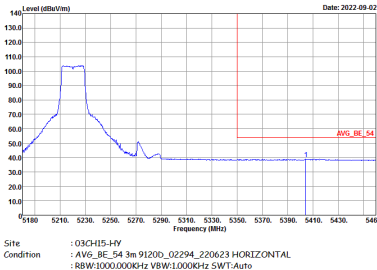
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

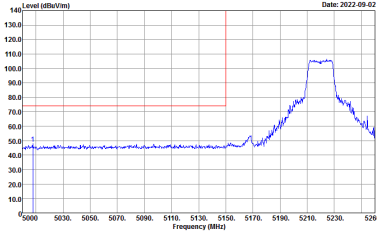
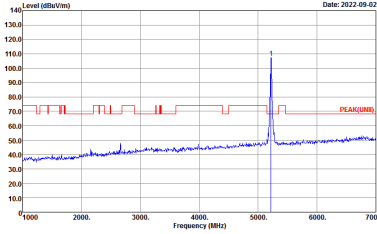
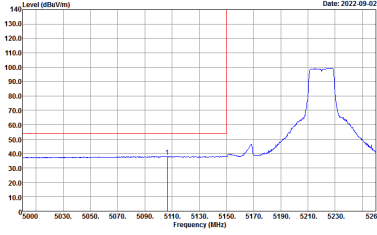
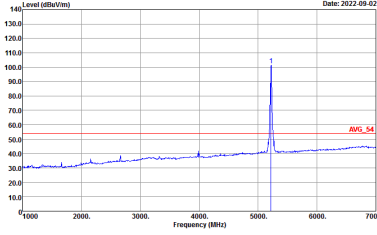


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

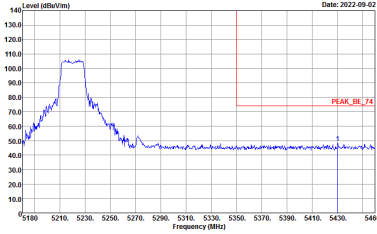
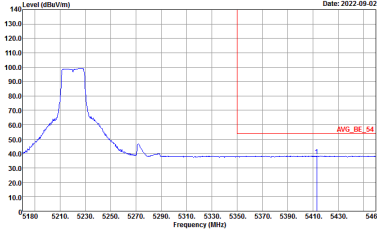


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

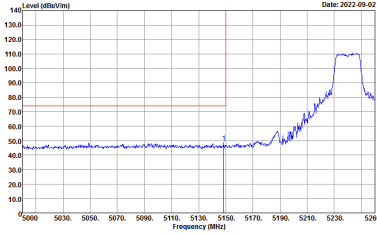
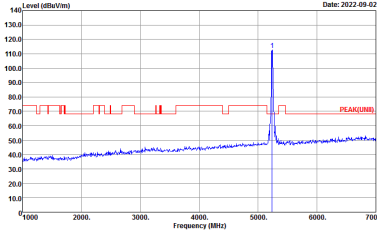
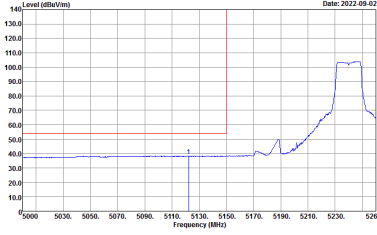
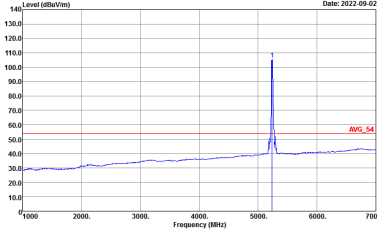


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

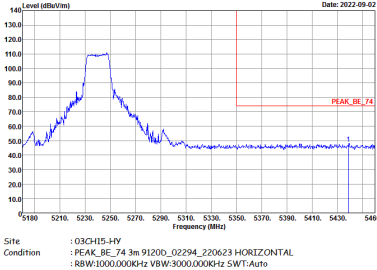
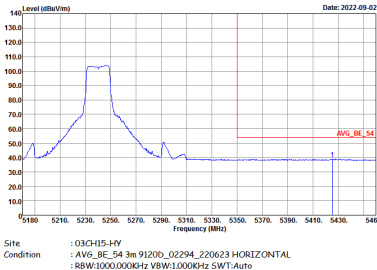


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

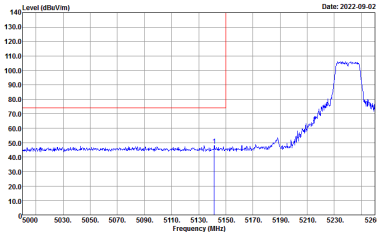
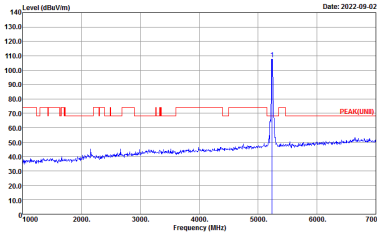
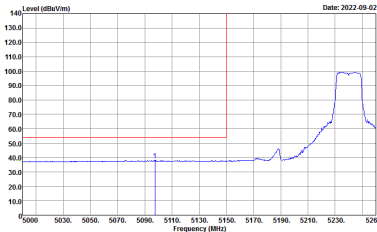
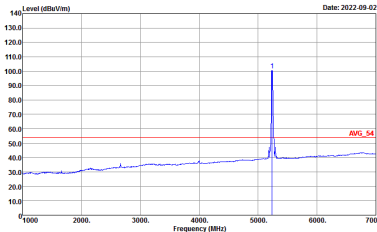


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

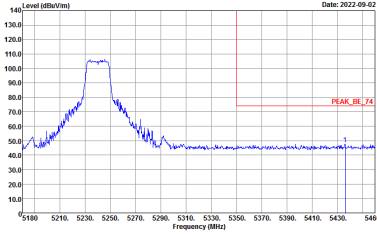
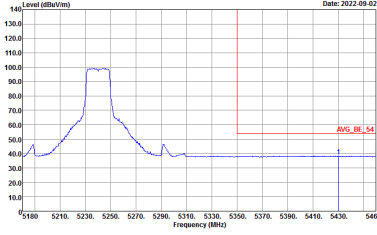


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

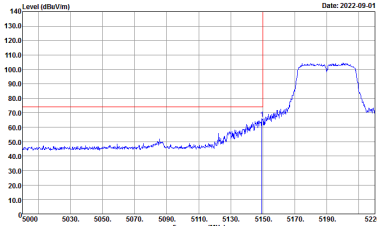
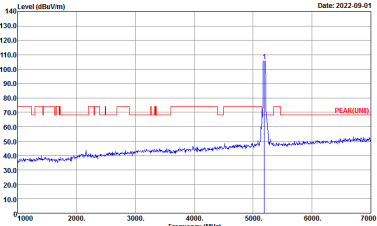
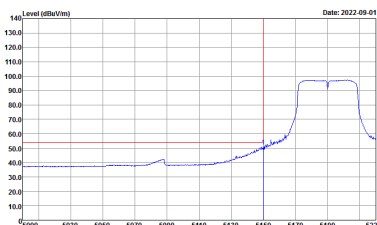
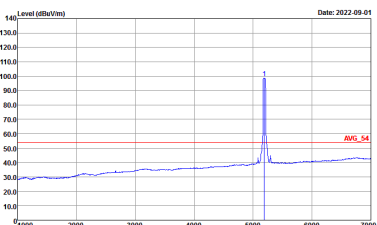


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

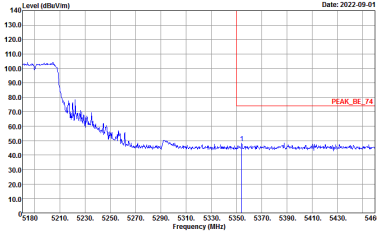
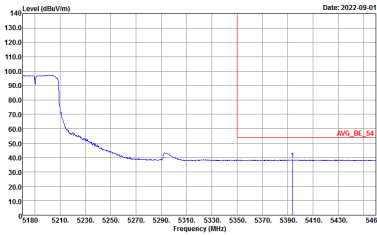


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	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	 Site : 03CHI5-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

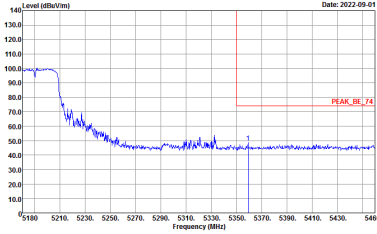
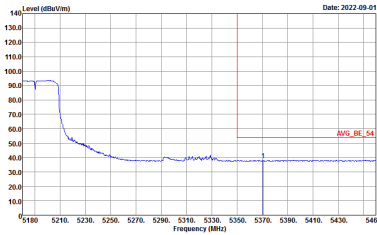


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

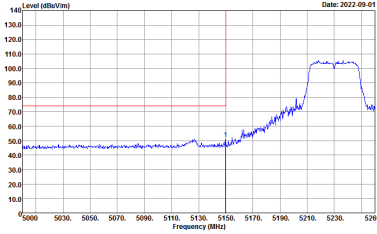
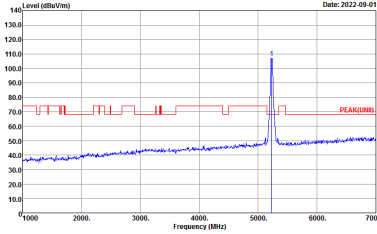
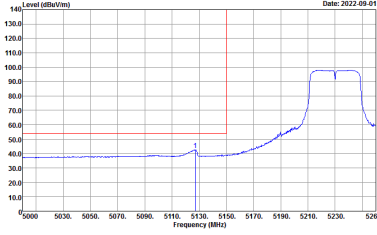
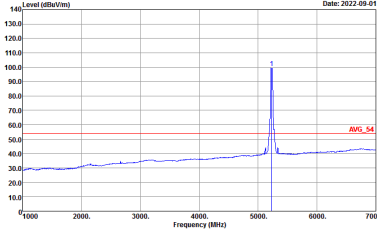


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

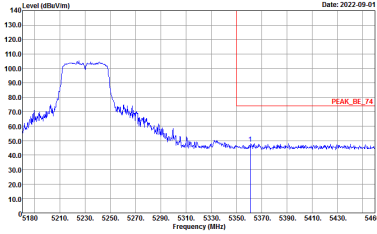
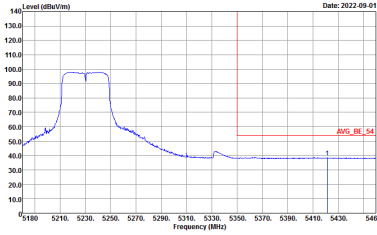


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

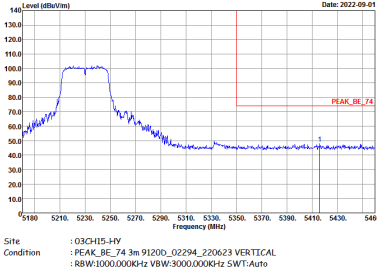
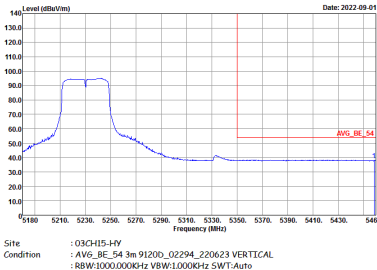


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



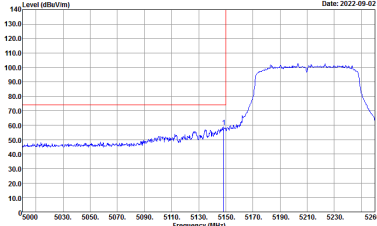
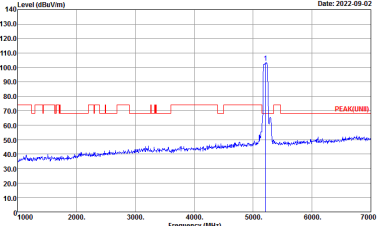
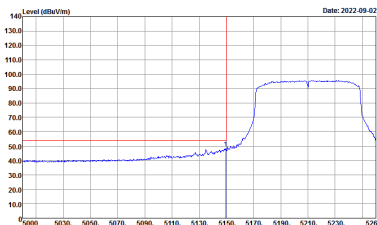
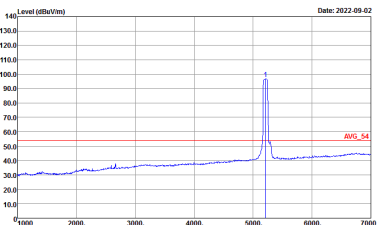
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank



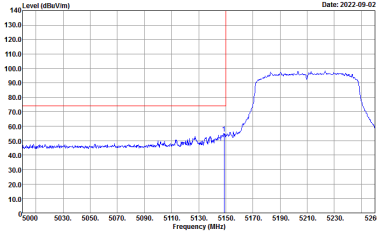
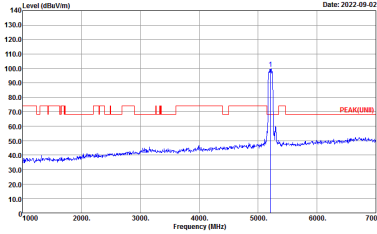
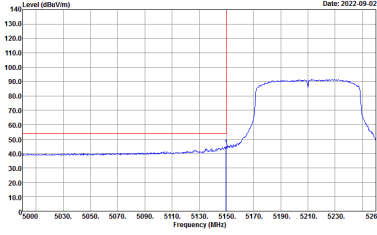
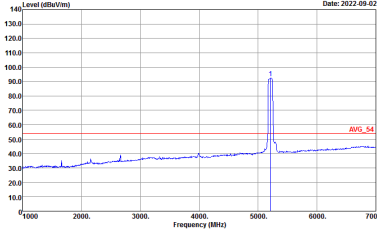
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto

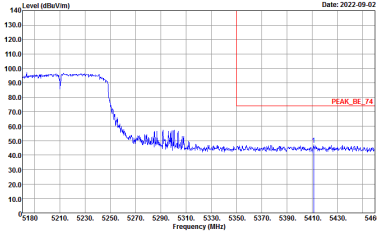
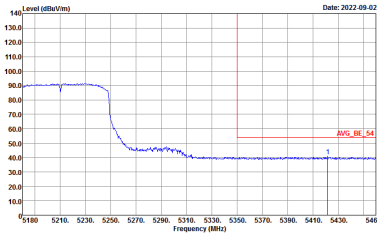


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	Left blank



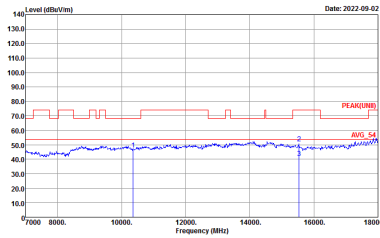
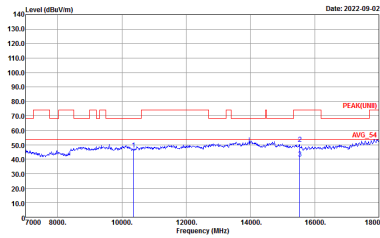
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto



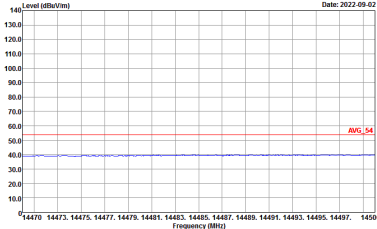
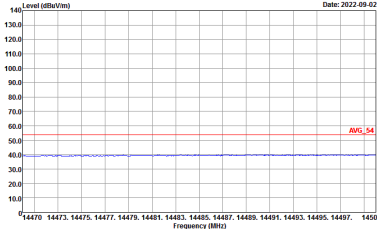
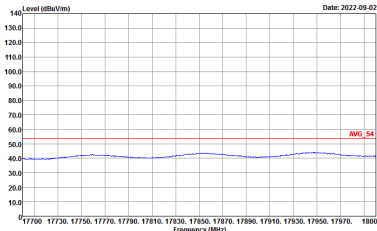
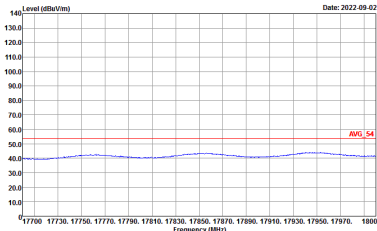
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	Left blank



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

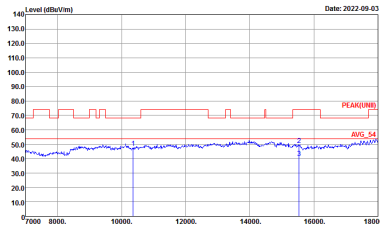
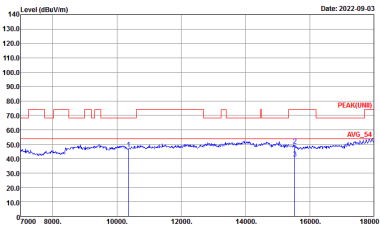
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



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.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 VERTICAL AVG_54
	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 VERTICAL AVG_54

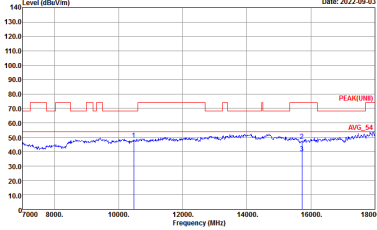
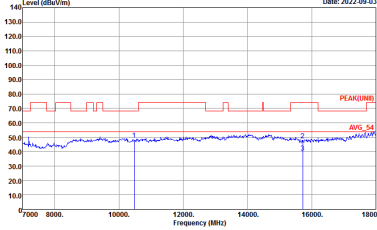


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-09-03 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-09-03 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 VERTICAL

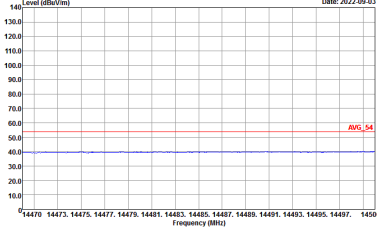
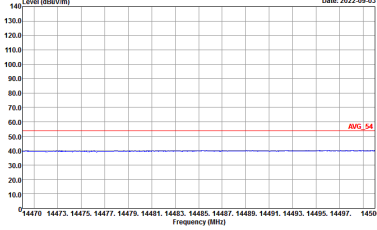
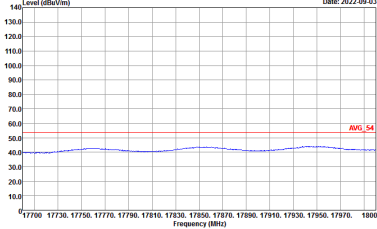
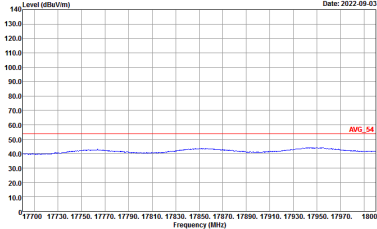


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL AVG_54
	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL AVG_54



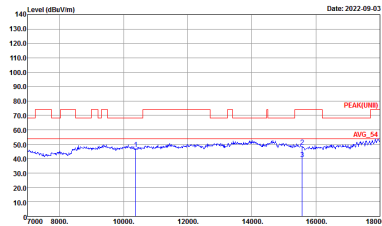
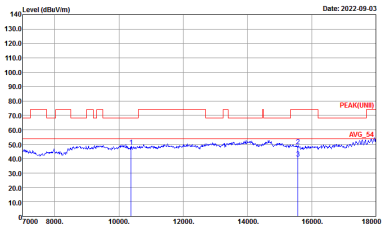
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120b_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120b_02294_220623 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



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.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 VERTICAL AVG_54
	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 VERTICAL AVG_54



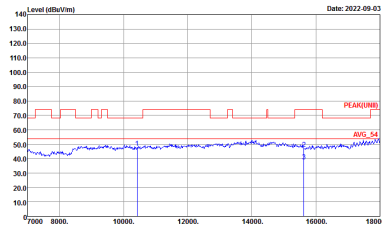
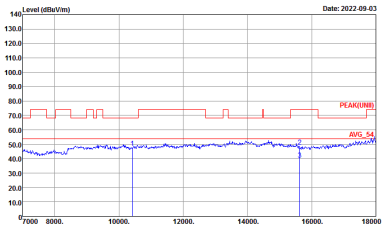
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-09-03 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-09-03 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 VERTICAL



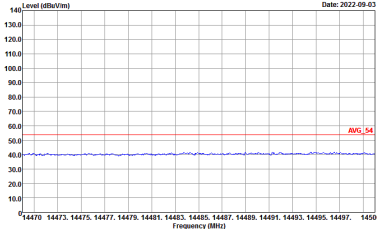
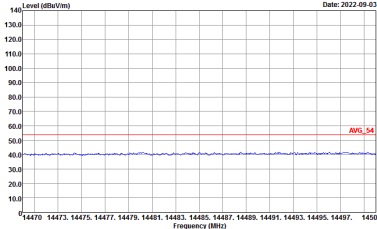
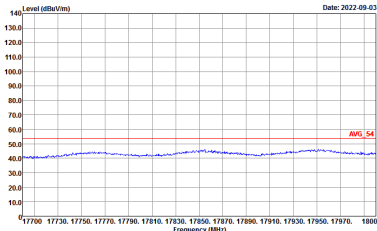
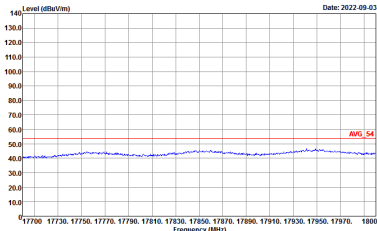
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL AVG_54
	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL AVG_54



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.	 Site : 03CH15-4Y Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-4Y Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL



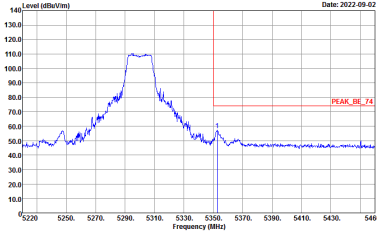
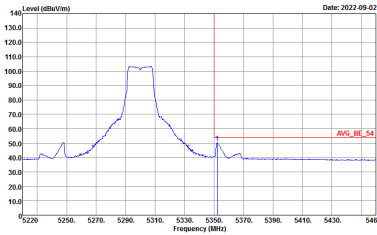
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

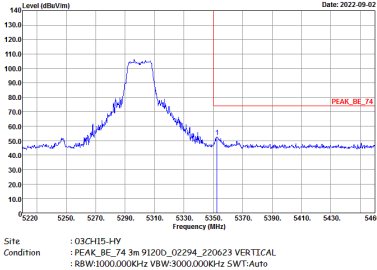
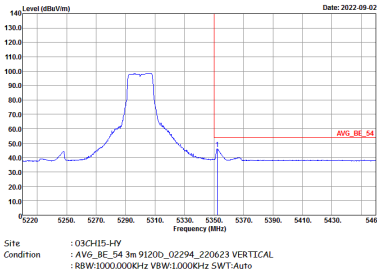


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

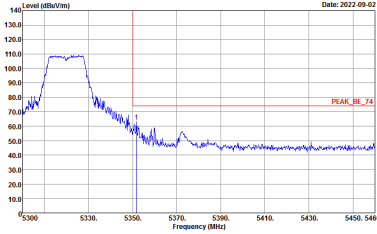
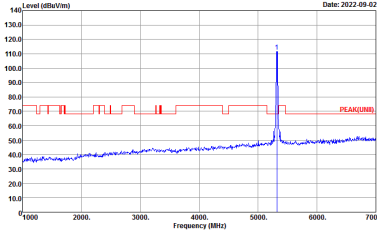
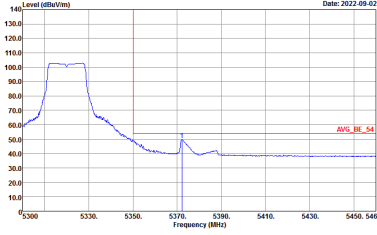
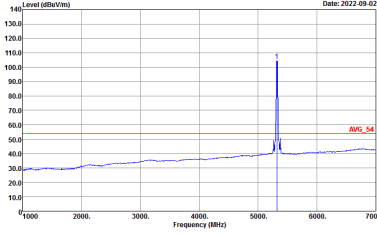


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz 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

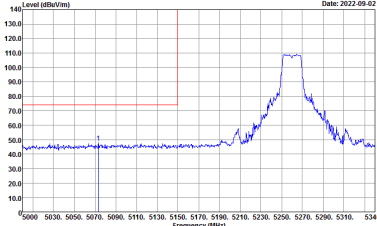
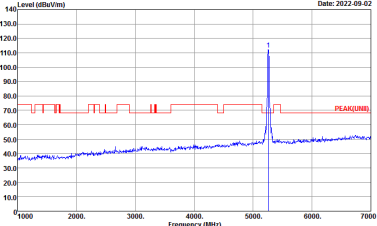
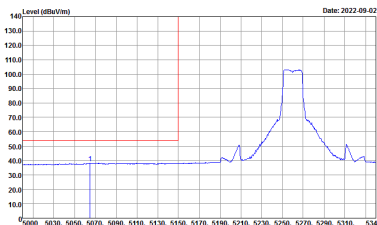


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

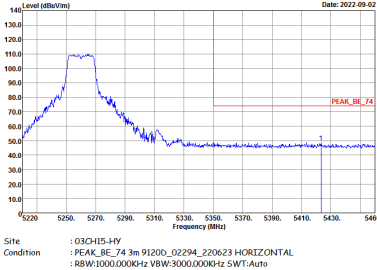
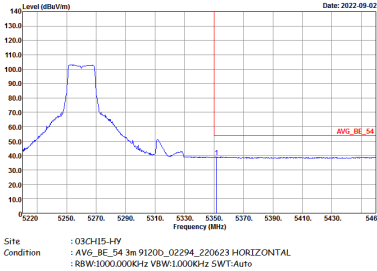


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

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	 Site : 03CHI5-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

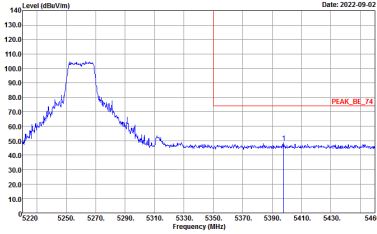
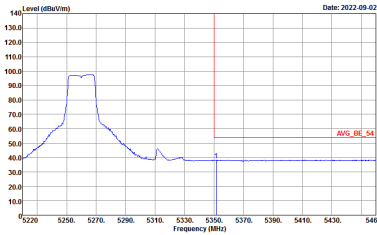


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

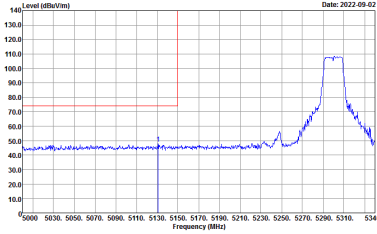
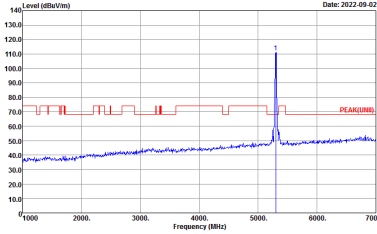
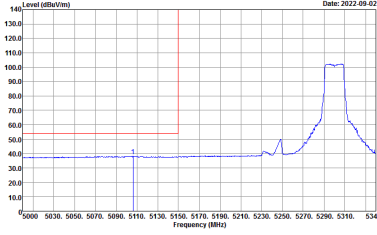
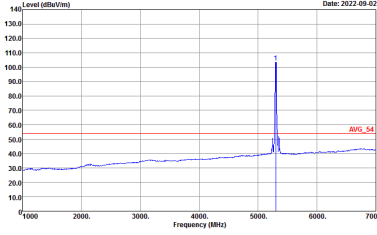


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

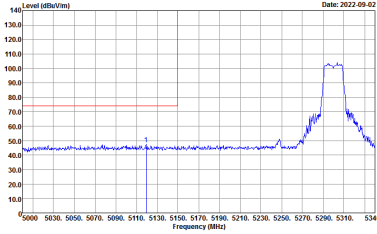
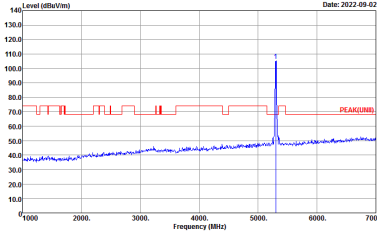
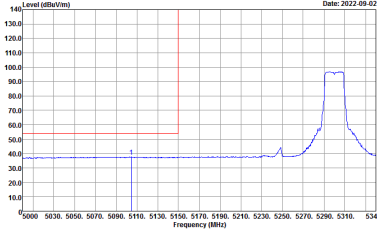
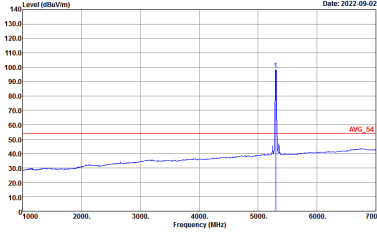


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

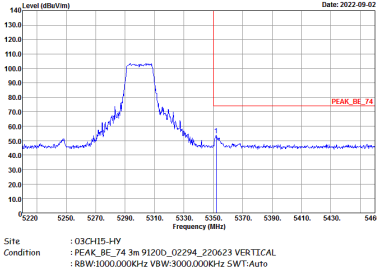
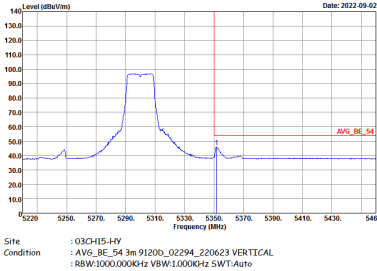


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

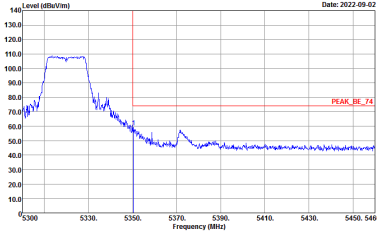
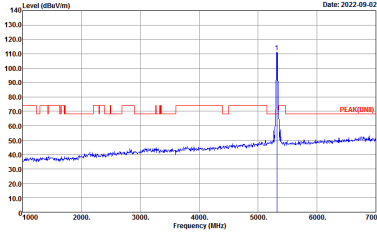
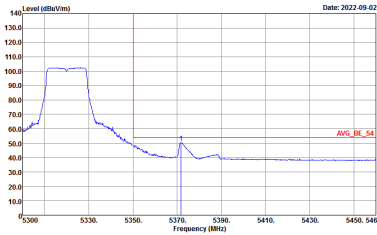
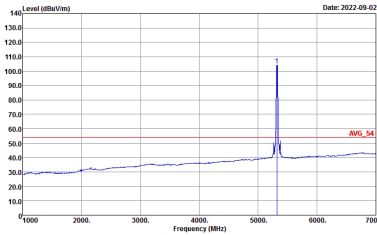


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_FUND 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

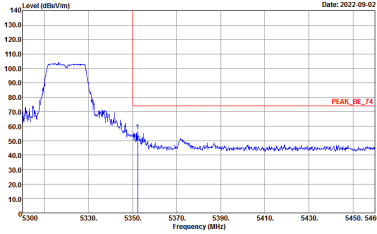
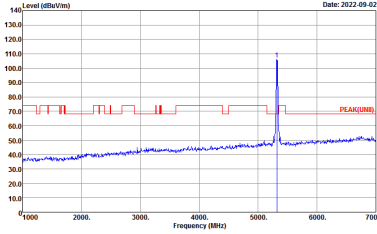
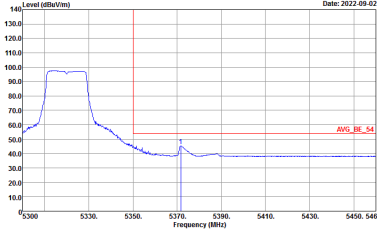
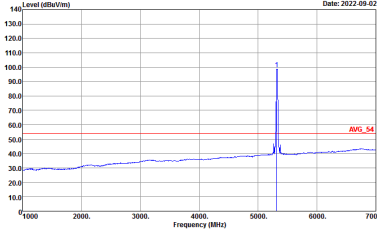


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

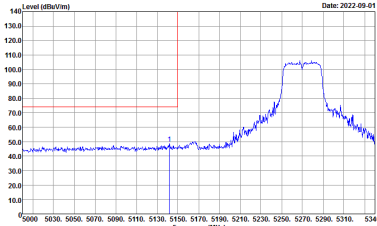
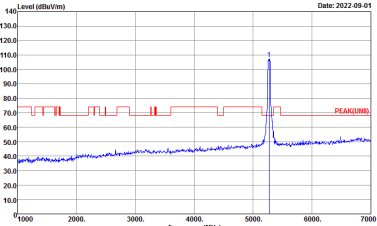
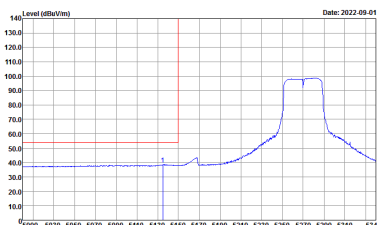
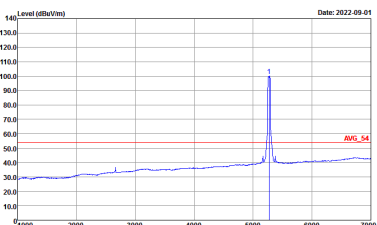


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

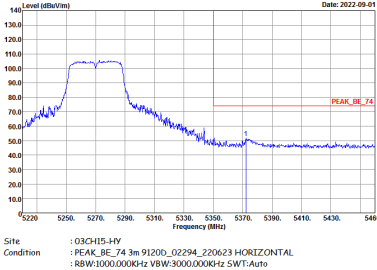
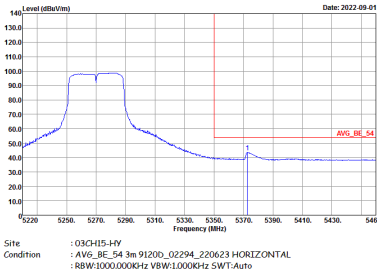


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

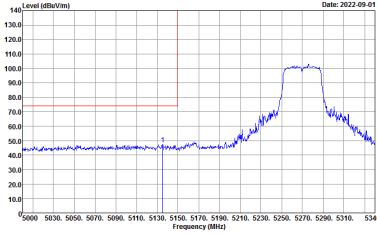
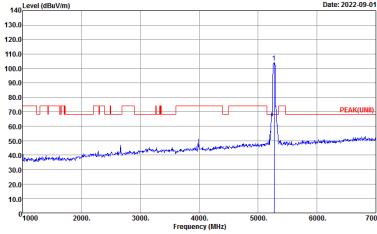
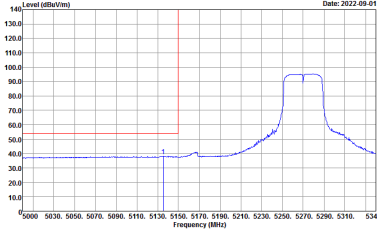
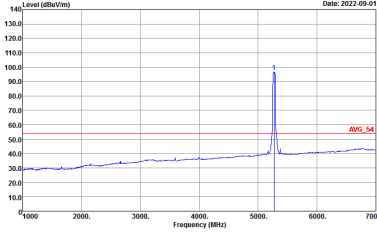
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

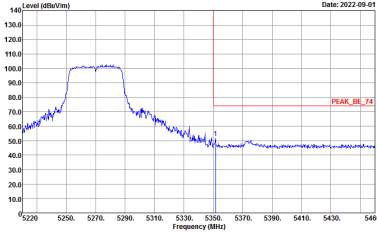
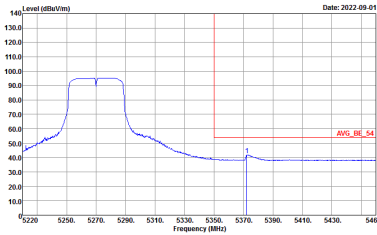


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

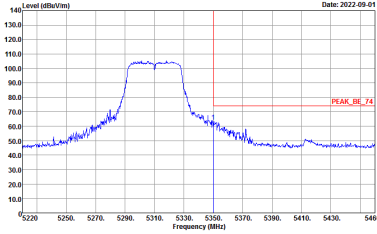
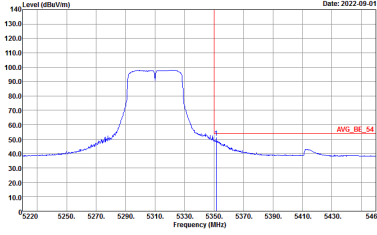


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Vertical
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

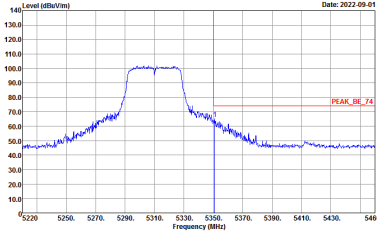
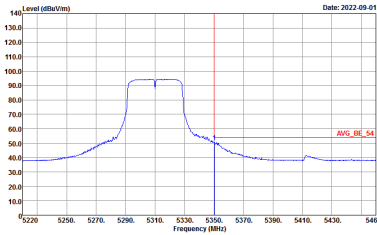


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



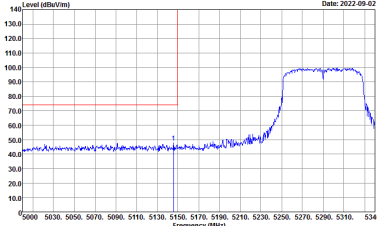
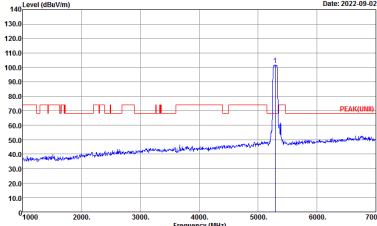
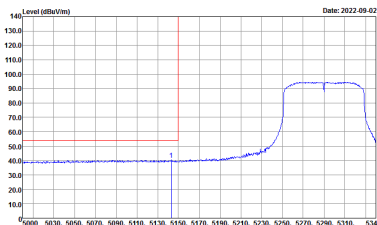
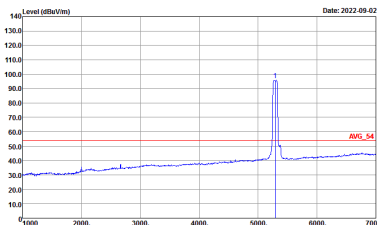
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



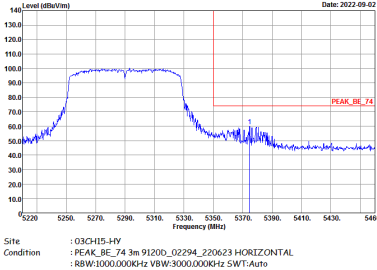
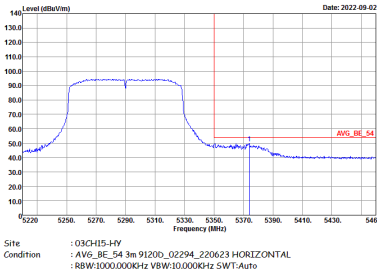
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	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	 Site : 03CHI5-HY Condition : PEAK_BE_74 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto

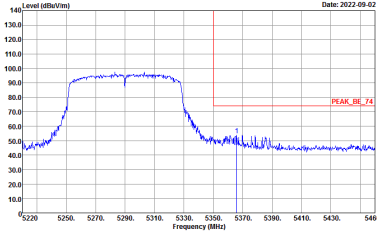
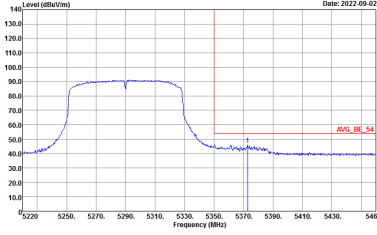


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



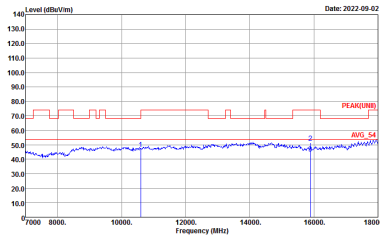
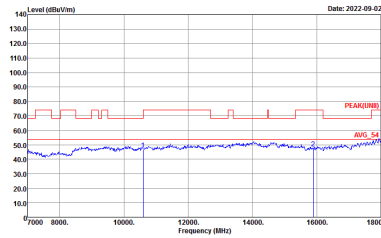
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:30.000KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:30.000KHz SWT:Auto



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	Left blank



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL

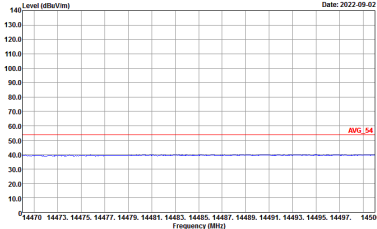
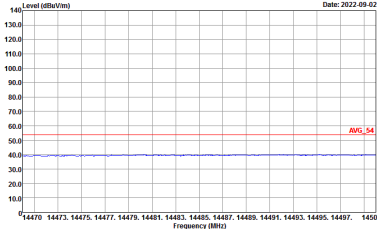
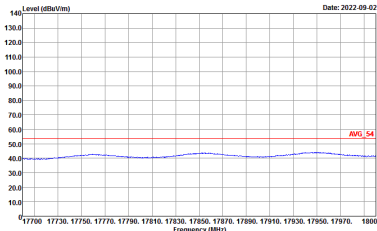
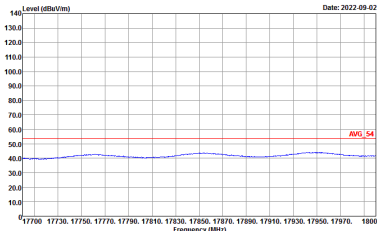


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2022-09-02 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-02 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL AVG_54
	Level (dBuV/m) Date: 2022-09-02 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-02 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL AVG_54



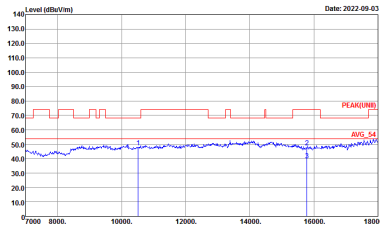
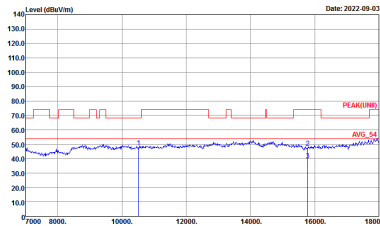
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-09-02 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-09-02 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



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.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 VERTICAL AVG_54
	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 VERTICAL AVG_54



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-09-03 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-09-03 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL AVG_54
	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL AVG_54	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL AVG_54



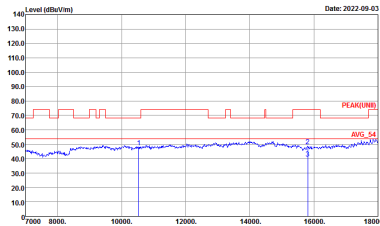
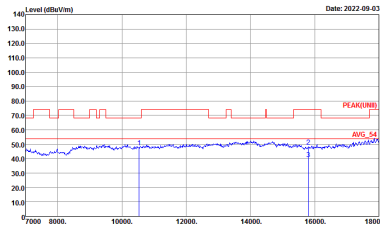
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-09-03 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-09-03 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 VERTICAL



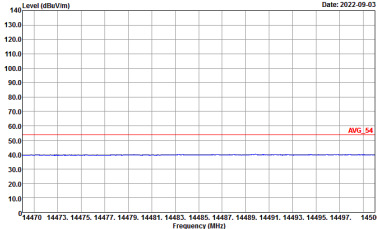
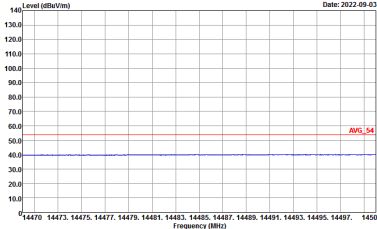
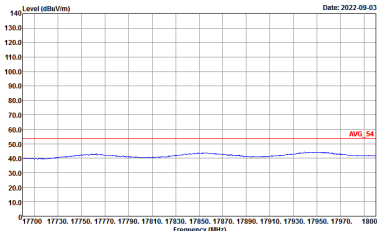
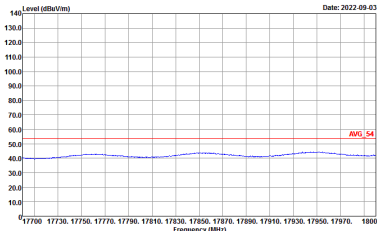
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 14470 to 14500 MHz. A red line indicates the AVG_54 level at approximately 55 dBuV/m. The blue line shows the measured signal level, which is consistently below the red line. Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 14470 to 14500 MHz. A red line indicates the AVG_54 level at approximately 55 dBuV/m. The blue line shows the measured signal level, which is consistently below the red line. Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 17700 to 18000 MHz. A red line indicates the AVG_54 level at approximately 55 dBuV/m. The blue line shows the measured signal level, which is consistently below the red line. Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 17700 to 18000 MHz. A red line indicates the AVG_54 level at approximately 55 dBuV/m. The blue line shows the measured signal level, which is consistently below the red line. Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-4Y Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-4Y Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL

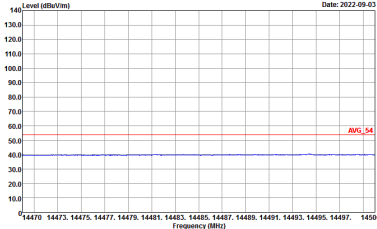
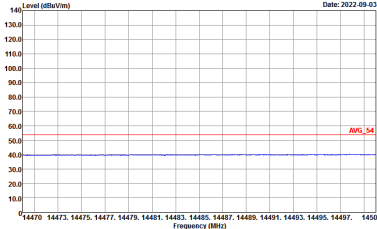
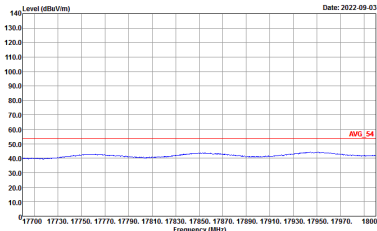
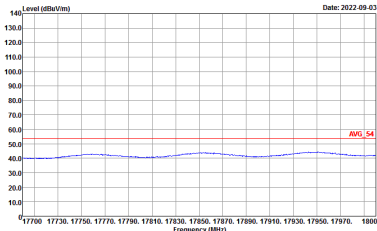


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



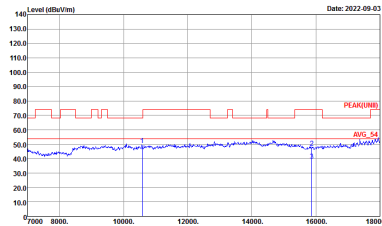
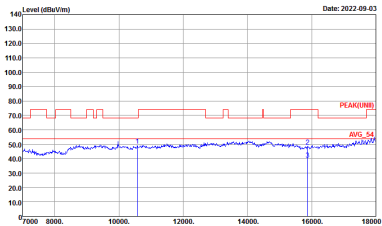
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	Level (dBu/m) Date: 2022-09-03 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 HORIZONTAL	Level (dBu/m) Date: 2022-09-03 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_02294_220623 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_220623 VERTICAL



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

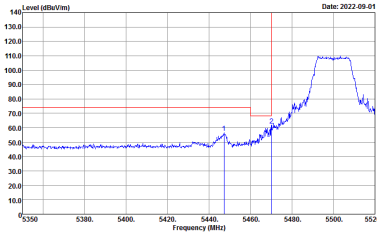
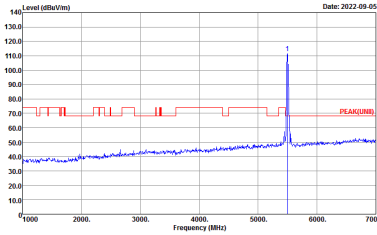
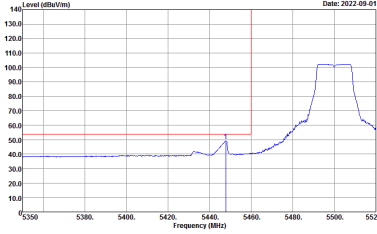
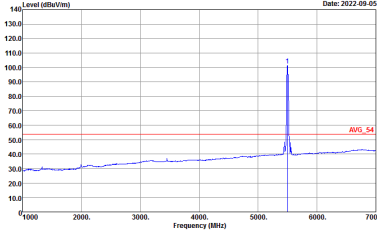
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL



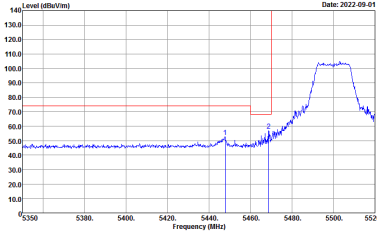
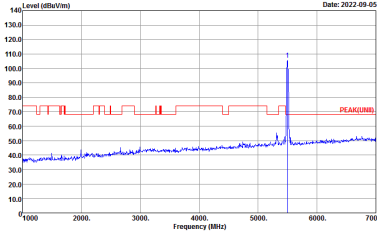
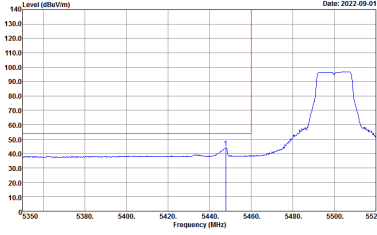
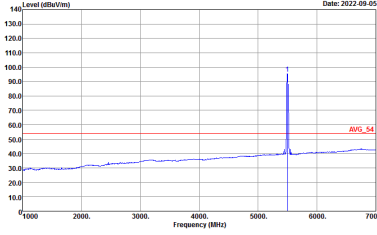
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 VERTICAL
	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 HORIZONTAL	Level (dBuV/m) Date: 2022-09-03 Frequency (MHz) Site : 03CH15-HY Condition : AV6_54 3m 9120D_02294_220623 VERTICAL



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	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT)_3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

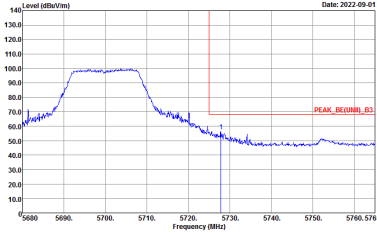
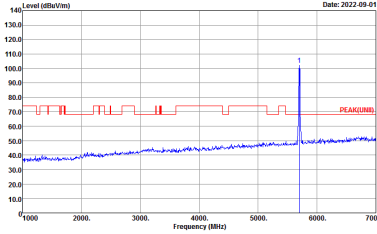
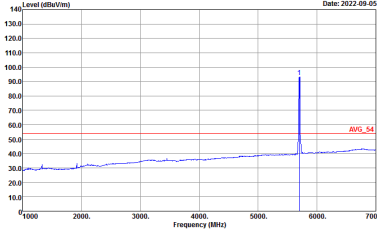


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

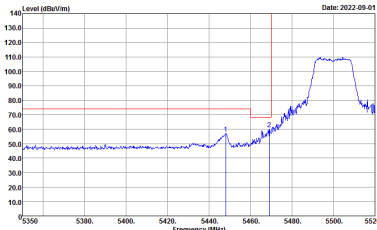
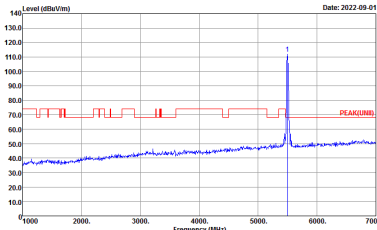
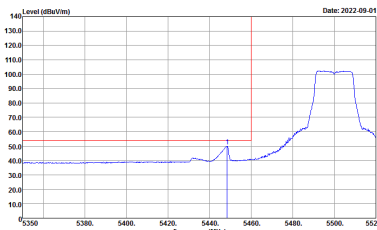
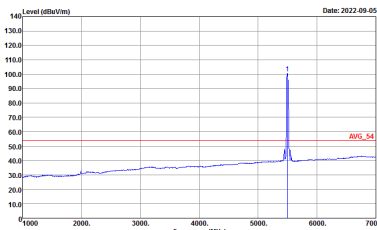


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	Site : 03CH15-HY Condition : AVG_FUND 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

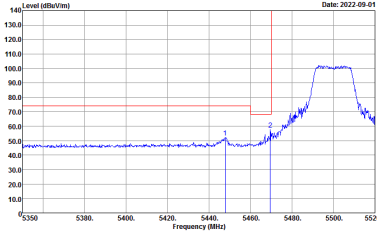
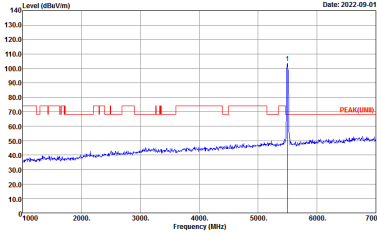
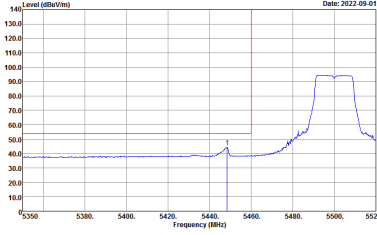
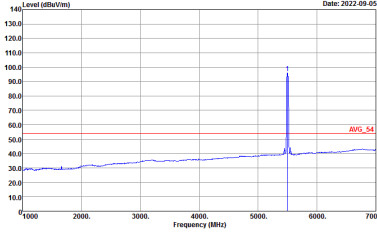


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE[UNIT], B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

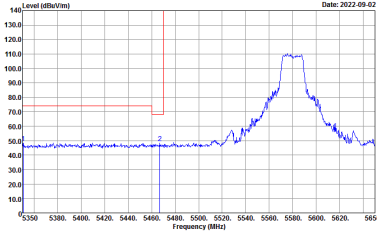
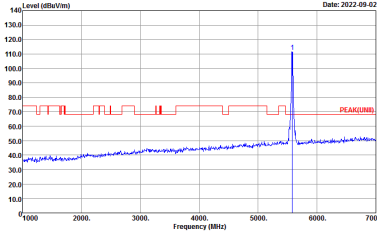
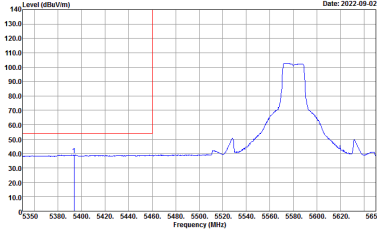
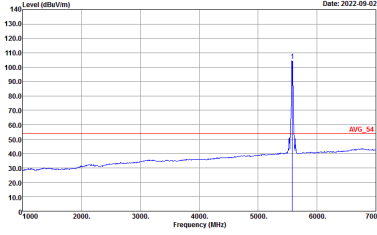
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT1) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

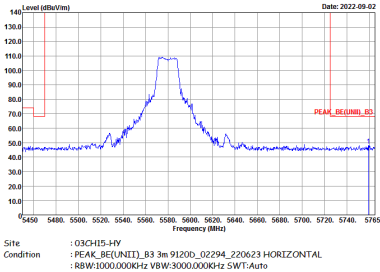


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

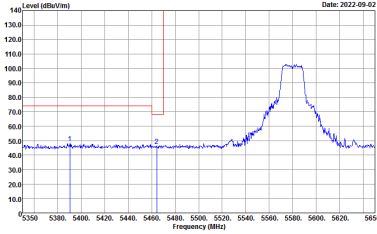
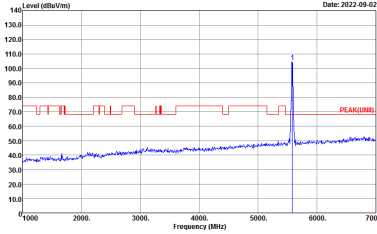
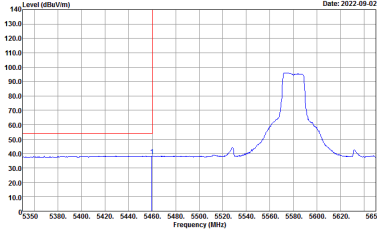
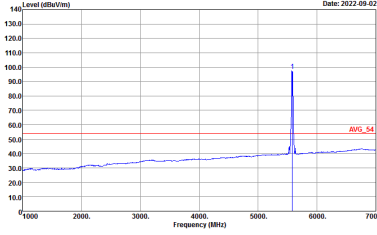


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

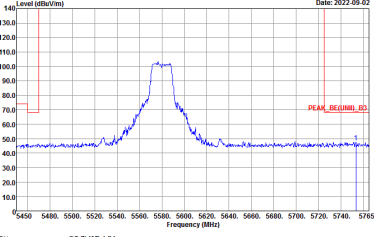


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

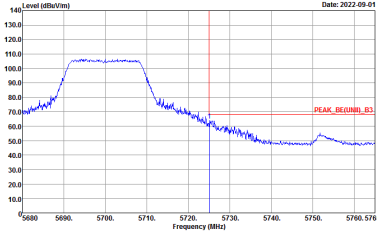
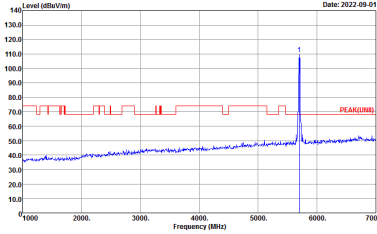
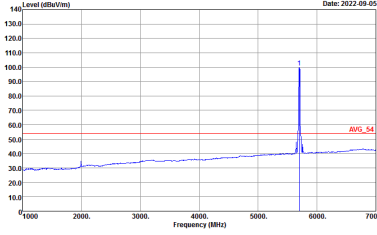


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

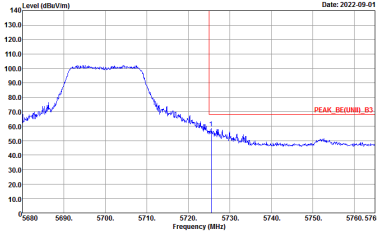
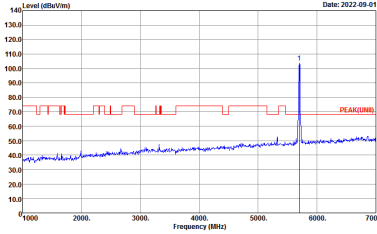
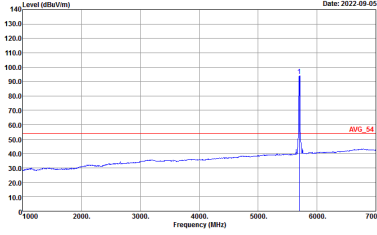


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-1V Condition : PEAK_BE[UNIT], B3 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2022-09-02	Left blank



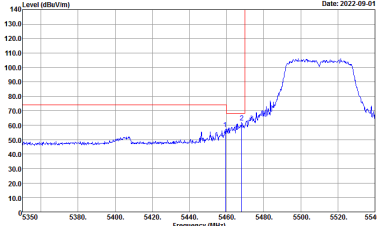
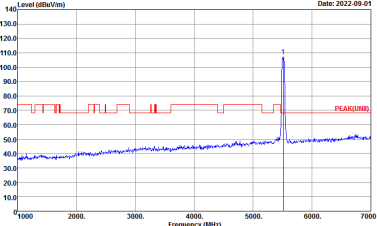
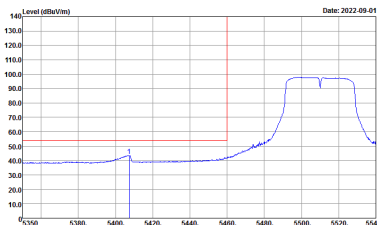
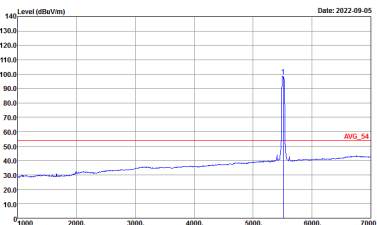
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	 Site : 03CH15-HY Condition : AVG_F4 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



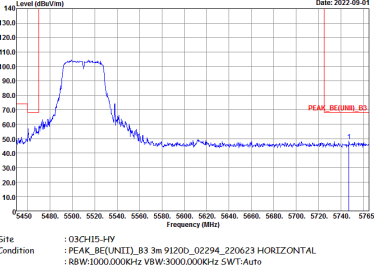
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



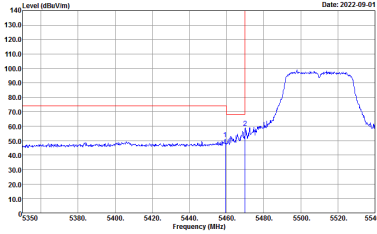
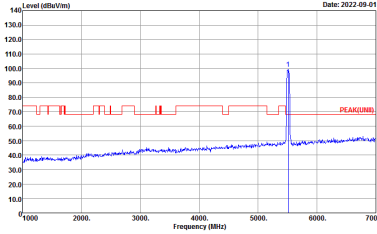
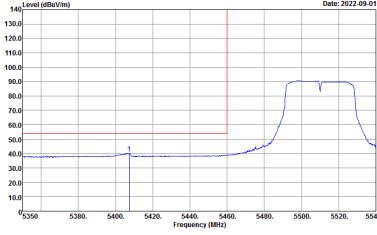
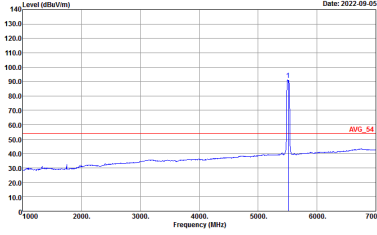
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI5-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI5-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

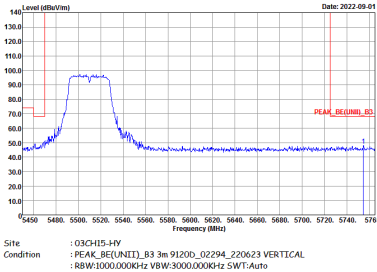


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

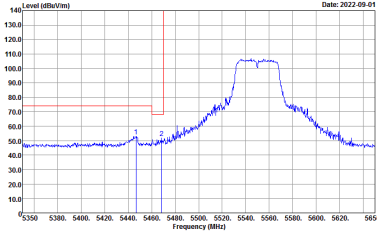
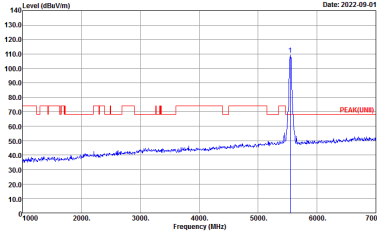
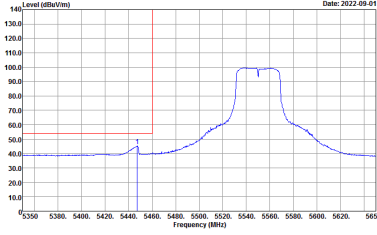
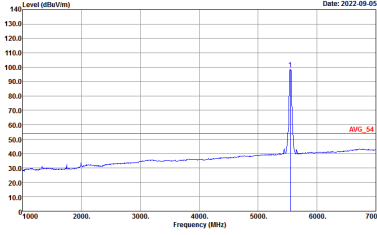


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

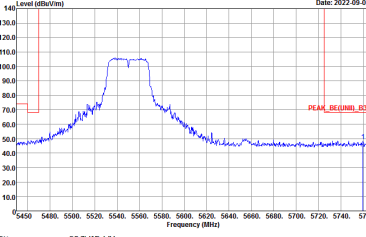


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

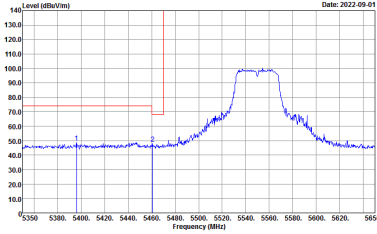
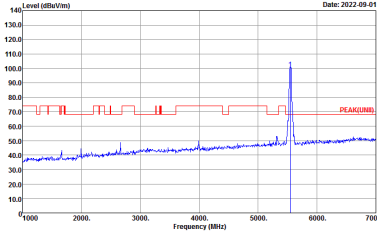
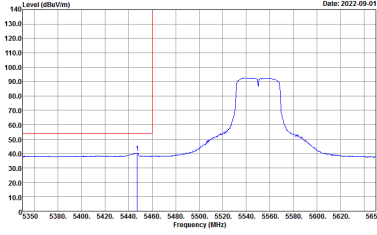
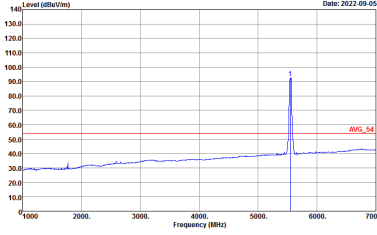


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

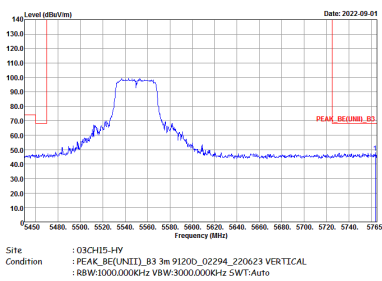


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-1V Condition : PEAK_BE[UNIT], B3 3m 91200_02294_220623 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2022-09-01	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH115-11V Condition : PEAK_BE[UNIT], B3 3m 91200_02294_220623 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2022-09-01	Left blank