



FCC RADIO TEST REPORT

FCC ID : TX2-RTL8735BDM
Equipment : 11n RTL8735BDM combo module
Brand Name : REALTEK
Model Name : RTL8735BDM
Applicant : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu
Science Park, Hsinchu 300, Taiwan
Manufacturer : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu
Science Park, Hsinchu 300, Taiwan
Standard : FCC Part 15 Subpart E §15.407

The product was received on Oct. 20, 2023 and testing was performed from Oct. 31, 2023 to Nov. 21, 2023. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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History of this test report

Report No.	Version	Description	Issue Date
FR371824C	01	Initial issue of report	Dec. 21, 2023
FR371824C	02	Revise Section 1.1, Section 1.2 and Section 2.1 This report is an updated version, replacing the report issued on Dec. 21, 2023.	Jan. 10, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	3.06 dB under the limit at 5725.00 MHz
3.5	15.207	AC Conducted Emission	Pass	19.06 dB under the limit at 3.60 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Alan Liu

Report Producer: Michelle Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	
Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n.	

1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth					
1	1	1	1	LYNwave	ALA110-222050-300011	PIFA	IPEX MHF4	Note 1
2	1	1	1	RTANT	K212-10068-A	PIFA	IPEX MHF4	

Note 1

Ant.	Port			WLAN 2.4GHz	WLAN 5GHz	Bluetooth
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth			
1	1	1	1	3.50	5.00	3.50
2	1	1	1	2.77	0.84	2.77

Note 2: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

Note 3: There are two antenna models provided by different manufacturers. All tests were conducted using the high-gain antenna.

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. TH05-HY, CO07-HY, 03CH20-HY

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

FCC designation No.: TW3786

1.5 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
	-	-	-	-
	40	5200	48	5240
	-	-	-	-
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	-	-	-	-
	56	5280	64	5320
	-	-	-	-
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	-	-	116	5580
	104	5520	132	5660
	-	-	-	-
	108	5540	136	5680
	-	-	140	5700

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	-	-	124	5620
	120	5600	-	-
	-	-	128	5640

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

2.2 Test Mode

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

Single Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth-LE Link + USB Cable (Charging from Notebook)

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

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

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.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8m
2.	Notebook	DELL	Latitude 5310	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 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.	iPod	Apple	A1199	FCC DoC	Shielded, 1.0 m	N/A
5.	Mobile Phone	Asus	Zenfone5	MSQX00QSA	N/A	N/A
6.	USB Cable (USB2.0 AM to Micro B flat cable)	PowerSync	USB2-KFMIB 180	N/A	Shielded, 1.8m	N/A
7.	Fixture	REALTEK	AmebaPRO2 adapter	N/A	N/A	N/A



2.5 EUT Operation Test Setup

The RF test items, utility "AmebaPro2_mptool_1V9.6" 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.

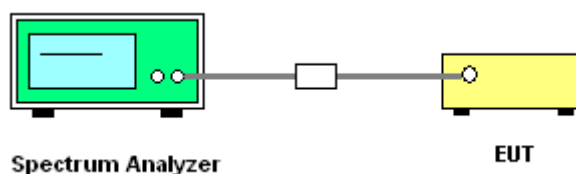
3.1.2 Measuring Instruments

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

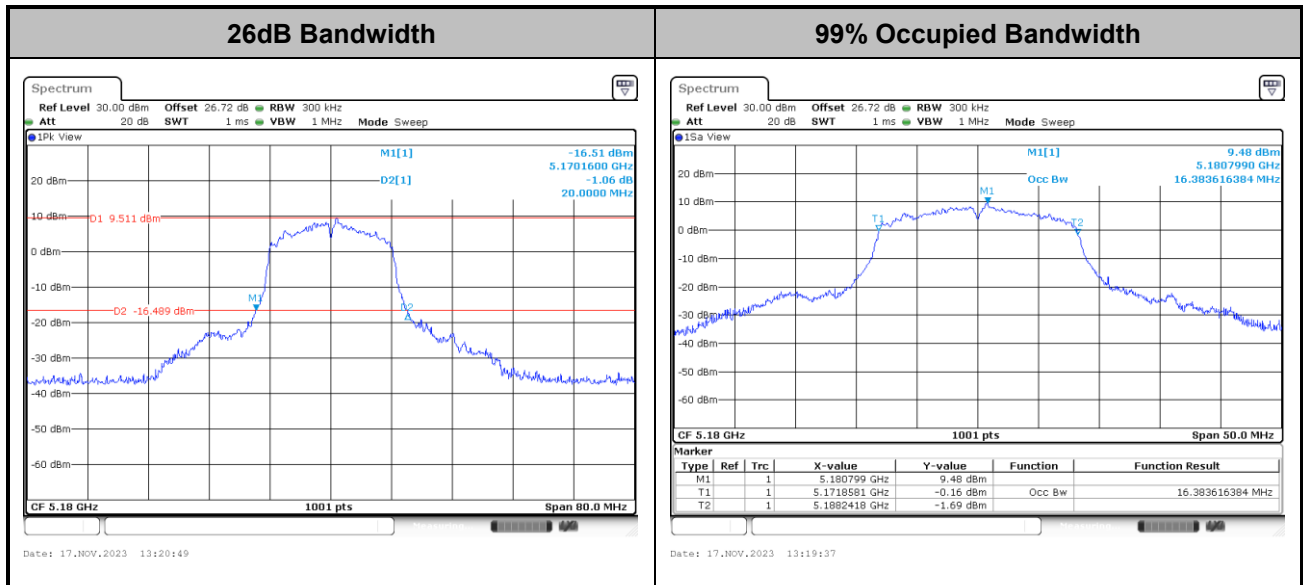


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

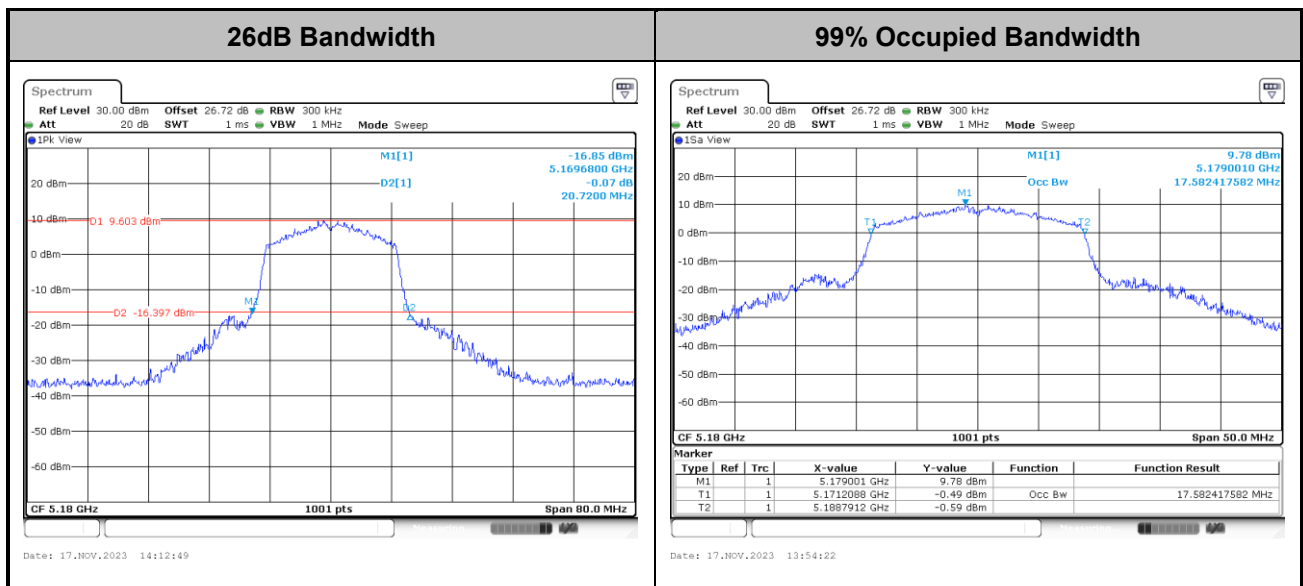
Please refer to Appendix A.



<802.11a>



<802.11n HT20>



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 $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

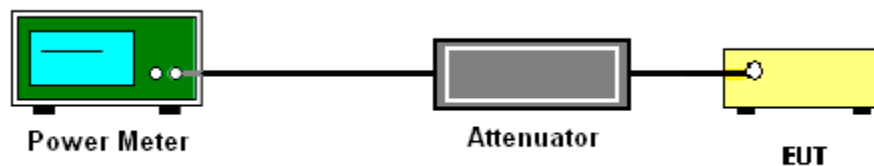
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

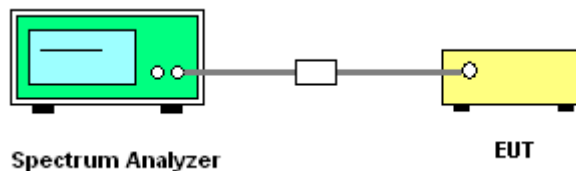
Section F) Maximum power spectral density.

Method SA-2

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

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup

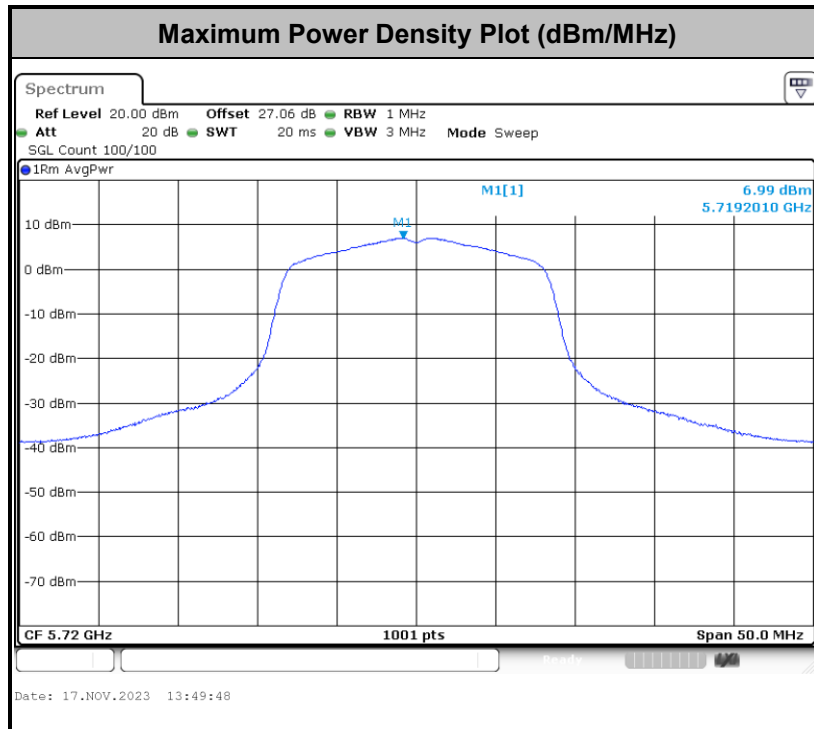


3.3.5 Test Result of Power Spectral Density

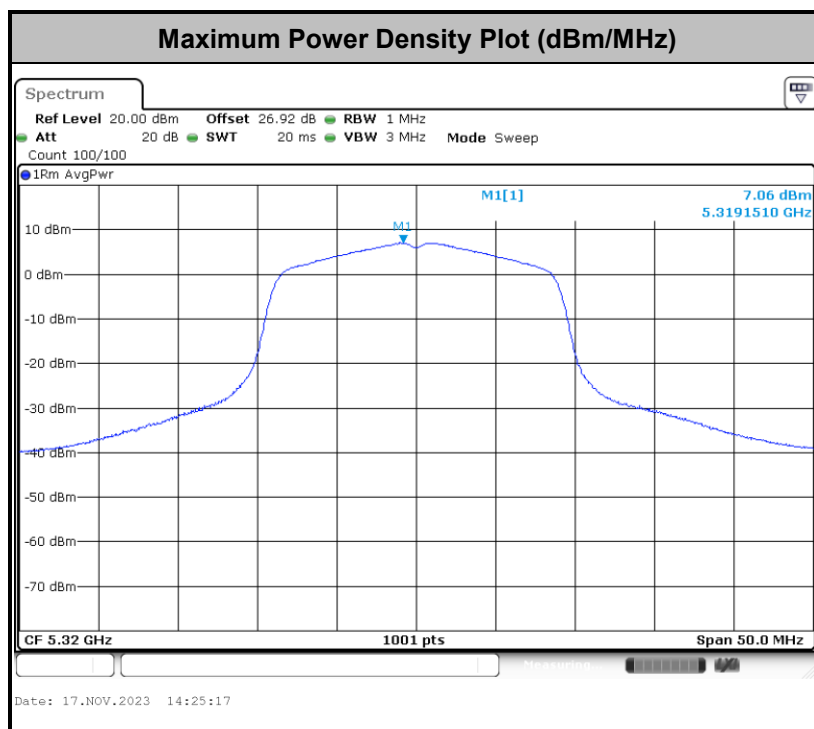
Please refer to Appendix A.



<802.11a>



<802.11n HT20>



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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



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

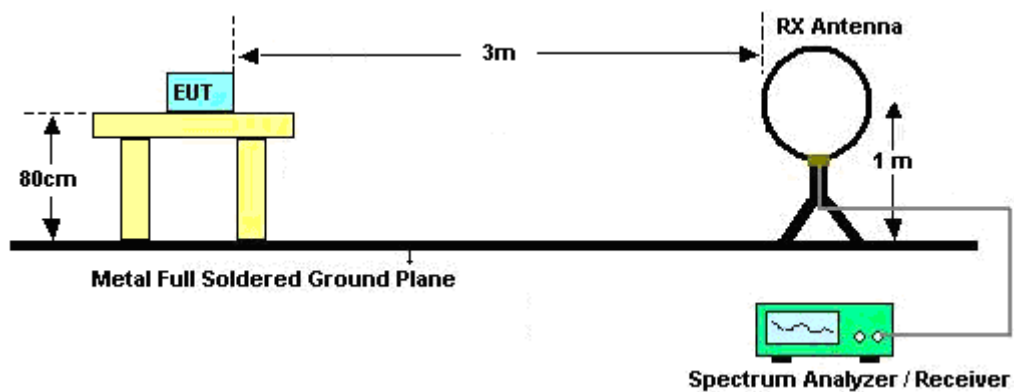
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

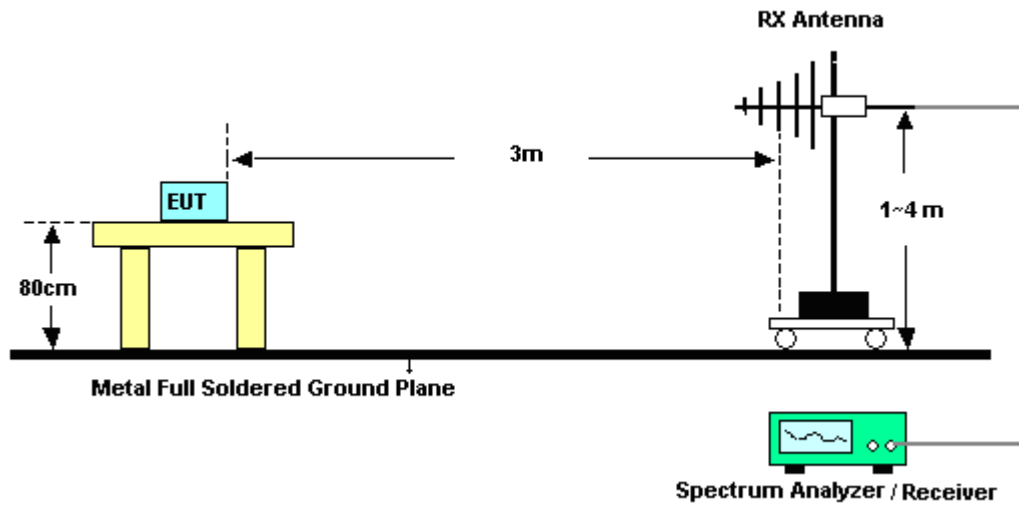
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

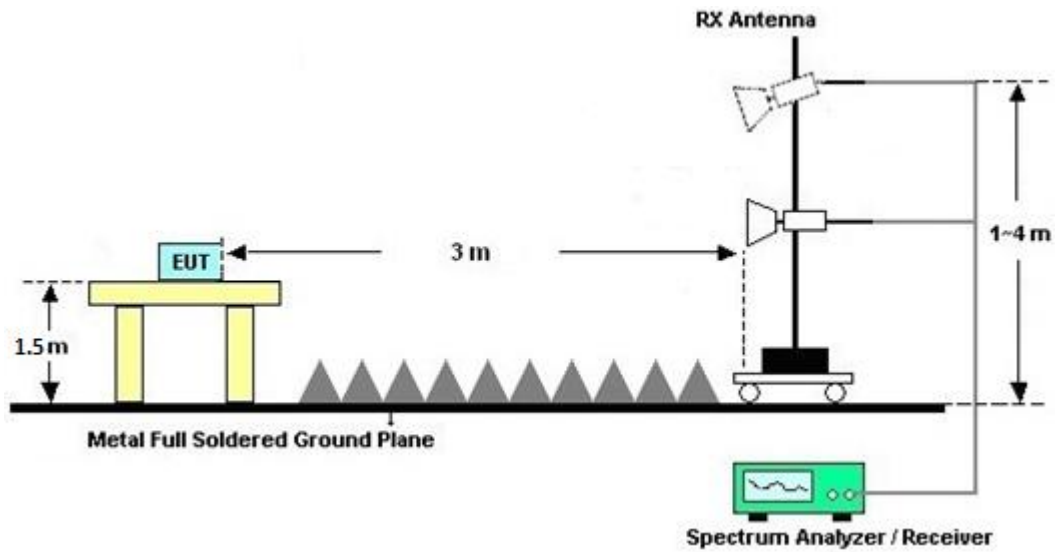
For radiated emissions below 30MHz



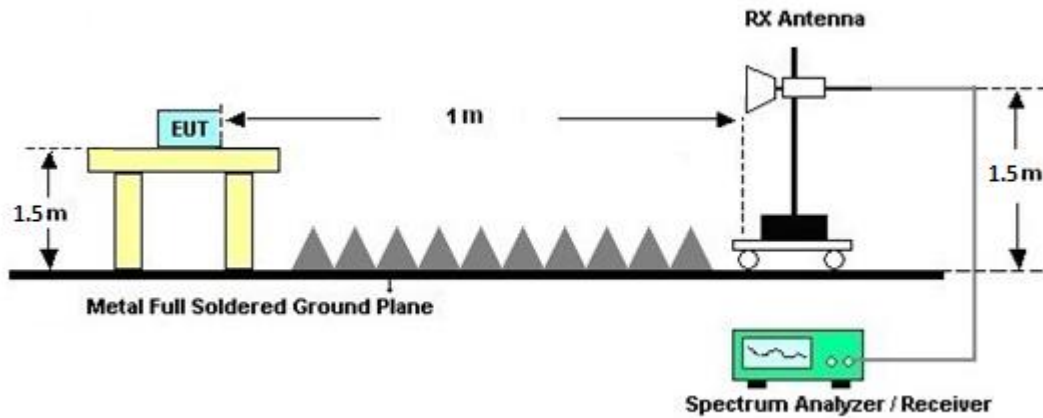
For radiated emissions from 30MHz to 1GHz



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.

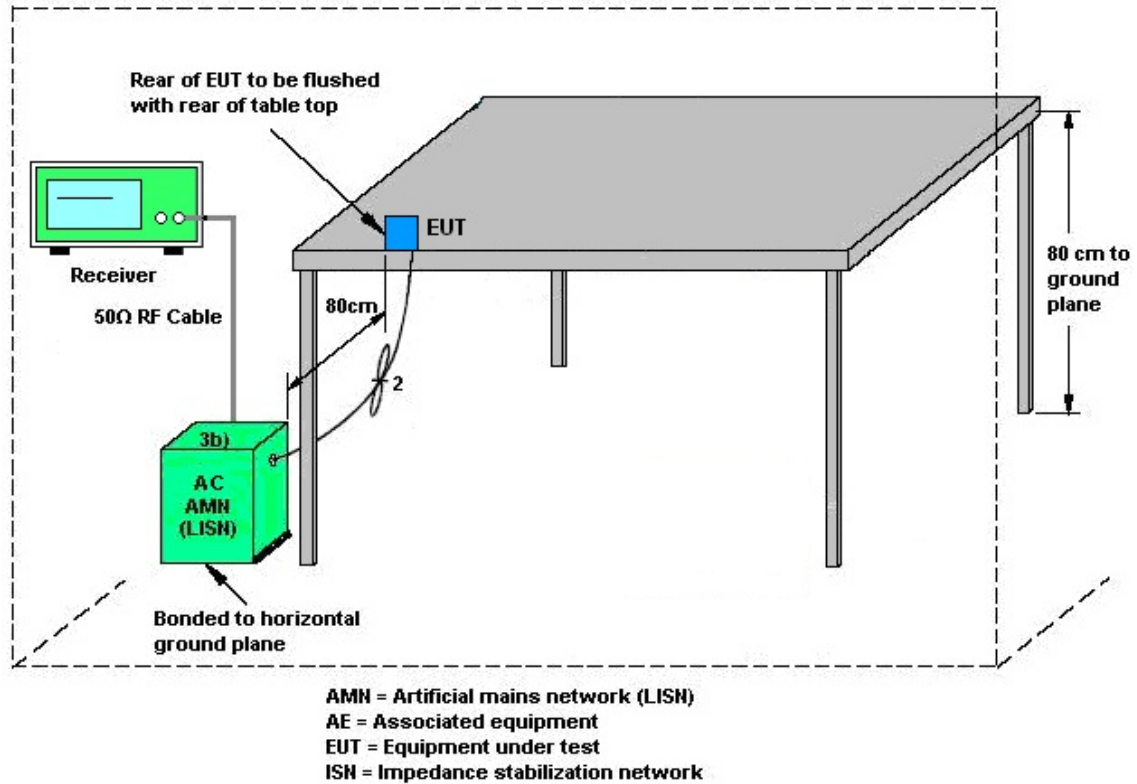
3.5.2 Measuring Instruments

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
USB Data Logger	TECEPEL	TR-32	HE17XB2495	N/A	Mar. 14, 2023	Oct. 31, 2023~ Nov. 17, 2023	Mar. 13, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Oct. 31, 2023~ Nov. 17, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz ~ 40GHz	Dec. 26, 2022	Oct. 31, 2023~ Nov. 17, 2023	Dec. 25, 2023	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Nov. 17, 2023	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 17, 2023	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Nov. 17, 2023	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 15, 2023	Nov. 17, 2023	Mar. 14, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 05, 2023	Nov. 17, 2023	Mar. 04, 2024	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 13, 2023	Nov. 17, 2023	Mar. 12, 2024	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Nov. 17, 2023	Sep. 19, 2024	Conduction (CO07-HY)
EMI Test Receiver	Keysight	N9010B	MY60240520	N/A	Dec. 22, 2022	Nov. 03, 2023~ Nov. 21, 2023	Dec. 21, 2023	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Nov. 03, 2023~ Nov. 21, 2023	Sep. 11, 2024	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2022	Nov. 03, 2023~ Nov. 21, 2023	Dec. 06, 2023	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Nov. 03, 2023~ Nov. 21, 2023	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 03, 2023~ Nov. 21, 2023	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 03, 2023~ Nov. 21, 2023	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 22, 2022	Nov. 03, 2023~ Nov. 21, 2023	Dec. 21, 2023	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802 N1D01N-06	55606 & 08	30MHz~1GHz	Oct. 20, 2023	Nov. 03, 2023~ Nov. 21, 2023	Oct. 19, 2024	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz-18GHz	Mar. 23, 2023	Nov. 03, 2023~ Nov. 21, 2023	Mar. 22, 2024	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	02360	1GHz-18GHz	Oct. 30, 2023	Nov. 03, 2023~ Nov. 21, 2023	Oct. 29, 2024	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz-40GHz	Jul. 10, 2023	Nov. 03, 2023~ Nov. 21, 2023	Jul. 09, 2024	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Jan. 02, 2023	Nov. 03, 2023~ Nov. 21, 2023	Jan. 01, 2024	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45S E	980792	N/A	Nov. 14, 2022	Nov. 03, 2023~ Nov. 12, 2023	Nov. 13, 2023	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45S E	980792	N/A	Nov. 13, 2023	Nov. 13, 2023~ Nov. 21, 2023	Nov. 12, 2024	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 18, 2023	Nov. 03, 2023~ Nov. 21, 2023	Jan. 17, 2024	Radiation (03CH20-HY)
Hygrometer	TECEPEL	DTM-303B	TP200728	N/A	Mar. 28, 2023	Nov. 03, 2023~ Nov. 21, 2023	Mar. 27, 2024	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Nov. 03, 2023~ Nov. 21, 2023	N/A	Radiation (03CH20-HY)



5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.44 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.40 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.50 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.60 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.40 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Willy Chang and Mina Liu	Temperature:	21~25	°C
Test Date:	2023/10/31~2023/11/17	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	36	5180	16.38	20.00	-	22.14	-	
11a	6Mbps	1	44	5220	16.38	19.92	-	22.14		
11a	6Mbps	1	48	5240	16.43	19.76	-	22.16		
HT20	MCS0	1	36	5180	17.58	20.72	-	22.45		
HT20	MCS0	1	44	5220	17.53	20.72	-	22.44		
HT20	MCS0	1	48	5240	17.63	20.80	-	22.46		

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna									
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
					Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	36	5180	18.10	24.00	5.00	-	Pass
11a	6Mbps	1	44	5220	18.20	24.00	5.00		Pass
11a	6Mbps	1	48	5240	18.20	24.00	5.00		Pass
HT20	MCS0	1	36	5180	18.10	24.00	5.00		Pass
HT20	MCS0	1	44	5220	18.10	24.00	5.00		Pass
HT20	MCS0	1	48	5240	18.20	24.00	5.00		Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density with Duty Factor	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass /Fail
					Ant 1	Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	36	5180	0.12	6.49	11.00	5.00	-	Pass
11a	6Mbps	1	44	5220	0.12	6.34	11.00	5.00		Pass
11a	6Mbps	1	48	5240	0.12	6.41	11.00	5.00		Pass
HT20	MCS0	1	36	5180	0.09	6.98	11.00	5.00		Pass
HT20	MCS0	1	44	5220	0.09	6.81	11.00	5.00		Pass
HT20	MCS0	1	48	5240	0.09	6.87	11.00	5.00		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	Note
					Ant 1	Ant 1	Ant 1	Ant 1	Ant 1	
11a	6Mbps	1	52	5260	16.38	20.00	23.14	29.14	23.98	-
11a	6Mbps	1	60	5300	16.43	20.00	23.16	29.16	23.98	
11a	6Mbps	1	64	5320	16.38	19.92	23.14	29.14	23.98	
HT20	MCS0	1	52	5260	17.58	20.88	23.45	29.45	23.98	
HT20	MCS0	1	60	5300	17.53	20.56	23.44	29.44	23.98	
HT20	MCS0	1	64	5320	17.58	20.64	23.45	29.45	23.98	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna									
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	52	5260	18.10	23.98	5.00	30	Pass
11a	6Mbps	1	60	5300	18.30	23.98	5.00	30	Pass
11a	6Mbps	1	64	5320	18.10	23.98	5.00	30	Pass
HT20	MCS0	1	52	5260	18.10	23.98	5.00	30	Pass
HT20	MCS0	1	60	5300	18.30	23.98	5.00	30	Pass
HT20	MCS0	1	64	5320	18.30	23.98	5.00	30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density with Duty Factor	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass /Fail
					Ant 1	Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	52	5260	0.12	6.11	11.00	5.00	-	Pass
11a	6Mbps	1	60	5300	0.12	6.54	11.00	5.00		Pass
11a	6Mbps	1	64	5320	0.12	6.29	11.00	5.00		Pass
HT20	MCS0	1	52	5260	0.09	6.97	11.00	5.00		Pass
HT20	MCS0	1	60	5300	0.09	6.81	11.00	5.00		Pass
HT20	MCS0	1	64	5320	0.09	7.15	11.00	5.00		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)	26 dB Bandwidth In U-NII 2C (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	6 dB Bandwidth for Straddle Channel (MHz)
					Ant 1	Ant 1	Ant 1	Ant 1	Ant 1	Ant 1
11a	6Mbps	1	100	5500	16.33	19.84	23.13	29.13	23.98	----
11a	6Mbps	1	116	5580	16.33	19.92	23.13	29.13	23.98	----
11a	6Mbps	1	140	5700	16.33	20.08	23.13	29.13	23.98	----
HT20	MCS0	1	100	5500	17.53	20.64	23.44	29.44	23.98	----
HT20	MCS0	1	116	5580	17.48	20.88	23.43	29.43	23.98	----
HT20	MCS0	1	140	5700	17.78	20.88	23.50	29.50	23.98	----

U-NII-2C straddle channel single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)	26 dB Bandwidth In U-NII 2C (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	6 dB Bandwidth for Straddle Channel (MHz)
					Ant 1	Ant 1	Ant 1	Ant 1	Ant 1	Ant 1
11a	6Mbps	1	144	5720	13.19	14.84	22.20	28.20	22.71	0.1
HT20	MCS0	1	144	5720	13.79	15.40	22.40	28.40	22.88	2.6

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna									
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	100	5500	18.30	23.98	5.00	30	Pass
11a	6Mbps	1	116	5580	18.10	23.98	5.00	30	Pass
11a	6Mbps	1	140	5700	16.20	23.98	5.00	30	Pass
HT20	MCS0	1	100	5500	18.20	23.98	5.00	30	Pass
HT20	MCS0	1	116	5580	18.10	23.98	5.00	30	Pass
HT20	MCS0	1	140	5700	16.60	23.98	5.00	30	Pass

FCC U-NII-2C straddle channel single antenna									
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	144	5720	18.40	22.71	5.00	30	Pass
HT20	MCS0	1	144	5720	18.30	22.88	5.00	30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density with Duty Factor	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass /Fail
					Ant 1	Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	100	5500	0.12	6.79	11.00	5.00	-	Pass
11a	6Mbps	1	116	5580	0.12	6.90	11.00	5.00		Pass
11a	6Mbps	1	140	5700	0.12	5.34	11.00	5.00		Pass
HT20	MCS0	1	100	5500	0.09	7.01	11.00	5.00		Pass
HT20	MCS0	1	116	5580	0.09	6.63	11.00	5.00		Pass
HT20	MCS0	1	140	5700	0.09	5.68	11.00	5.00		Pass

U-NII-2C straddle channel single antenna										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass /Fail
					Ant 1	Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	144	5720	0.12	7.11	11.00	5.00	-	Pass
HT20	MCS0	1	144	5720	0.09	7.07	11.00	5.00		Pass



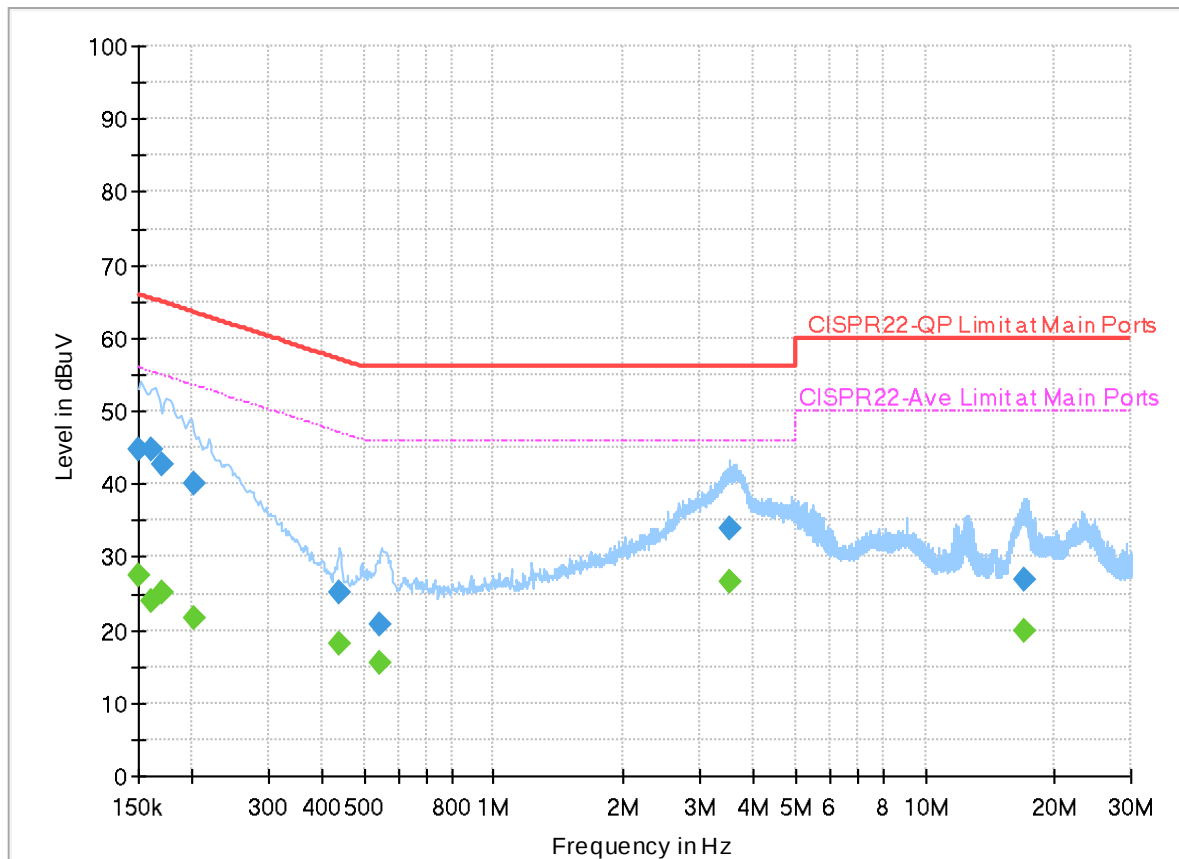
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	22.2~26.3℃
		Relative Humidity :	57.7~62.4%

EUT Information

Report NO : 371824
Test Mode : Mode 1
Test Voltage : Power From System
Phase : Line

Full Spectrum



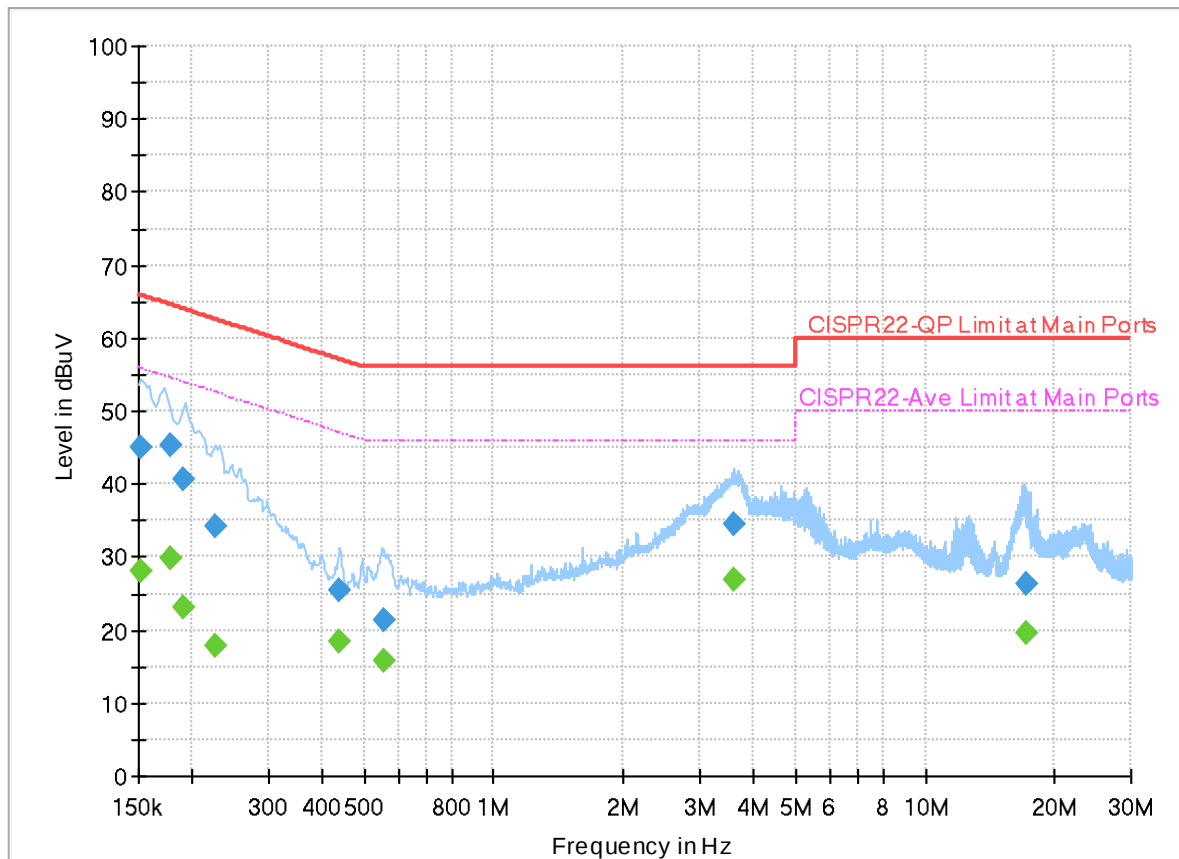
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	27.47	56.00	28.53	L1	OFF	19.9
0.150000	44.71	---	66.00	21.29	L1	OFF	19.9
0.161520	---	24.02	55.39	31.37	L1	OFF	19.9
0.161520	44.59	---	65.39	20.80	L1	OFF	19.9
0.170250	---	25.18	54.95	29.77	L1	OFF	19.9
0.170250	42.63	---	64.95	22.32	L1	OFF	19.9
0.200940	---	21.53	53.57	32.04	L1	OFF	19.9
0.200940	40.06	---	63.57	23.51	L1	OFF	19.9
0.438270	---	18.00	47.09	29.09	L1	OFF	19.9
0.438270	25.27	---	57.09	31.82	L1	OFF	19.9
0.546000	---	15.54	46.00	30.46	L1	OFF	19.9
0.546000	20.85	---	56.00	35.15	L1	OFF	19.9
3.531750	---	26.58	46.00	19.42	L1	OFF	20.0
3.531750	34.03	---	56.00	21.97	L1	OFF	20.0
16.890000	---	19.77	50.00	30.23	L1	OFF	20.1
16.890000	26.92	---	60.00	33.08	L1	OFF	20.1

EUT Information

Report NO : 371824
Test Mode : Mode 1
Test Voltage : Power From System
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.151553	---	28.12	55.91	27.79	N	OFF	19.9
0.151553	44.98	---	65.91	20.93	N	OFF	19.9
0.177000	---	29.89	54.63	24.74	N	OFF	19.9
0.177000	45.31	---	64.63	19.32	N	OFF	19.9
0.189870	---	22.98	54.04	31.06	N	OFF	19.9
0.189870	40.60	---	64.04	23.44	N	OFF	19.9
0.227040	---	17.95	52.56	34.61	N	OFF	19.9
0.227040	34.30	---	62.56	28.26	N	OFF	19.9
0.439800	---	18.35	47.07	28.72	N	OFF	19.9
0.439800	25.55	---	57.07	31.52	N	OFF	19.9
0.556440	---	15.91	46.00	30.09	N	OFF	19.9
0.556440	21.31	---	56.00	34.69	N	OFF	19.9
3.603750	---	26.94	46.00	19.06	N	OFF	20.0
3.603750	34.62	---	56.00	21.38	N	OFF	20.0
17.068110	---	19.48	50.00	30.52	N	OFF	20.2
17.068110	26.22	---	60.00	33.78	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	John Chuang, David Dai and Howard Huang	Temperature :	18.5~22.4°C
		Relative Humidity :	66.7~69.1%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	62.66	-11.34	74	54.16	33.1	12.86	37.46	100	180	P	H
		5150	48.72	-5.28	54	40.22	33.1	12.86	37.46	100	180	A	H
	*	5180	115.55	-	-	107.02	33.16	12.85	37.48	100	180	P	H
	*	5180	108.55	-	-	100.02	33.16	12.85	37.48	100	180	A	H
													H
													H
		5149.76	61.54	-12.46	74	53.04	33.1	12.86	37.46	400	179	P	V
		5149.76	44.57	-9.43	54	36.07	33.1	12.86	37.46	400	179	A	V
	*	5180	110.75	-	-	102.22	33.16	12.85	37.48	400	179	P	V
	*	5180	103.89	-	-	95.36	33.16	12.85	37.48	400	179	A	V
													V
													V
802.11a CH 44 5220MHz		5133.64	50.36	-23.64	74	41.85	33.1	12.86	37.45	177	181	P	H
		5146.38	40.76	-13.24	54	32.26	33.1	12.86	37.46	177	181	A	H
	*	5220	115.02	-	-	106.5	33.16	12.87	37.51	177	181	P	H
	*	5220	107.62	-	-	99.1	33.16	12.87	37.51	177	181	A	H
		5385.22	47.92	-26.08	74	39.39	33	13.14	37.61	177	181	P	H
		5350.12	39	-15	54	30.51	33	13.08	37.59	177	181	A	H
		5141.96	49.68	-24.32	74	41.18	33.1	12.86	37.46	340	174	P	V
		5060.06	39.52	-14.48	54	30.78	33.26	12.89	37.41	340	174	A	V
	*	5220	110.18	-	-	101.66	33.16	12.87	37.51	340	174	P	V
	*	5220	103.12	-	-	94.6	33.16	12.87	37.51	340	174	A	V
		5454.07	47.53	-26.47	74	38.97	33	13.21	37.65	340	174	P	V
		5369.02	37.39	-16.61	54	28.88	33	13.11	37.6	340	174	A	V



802.11a CH 48 5240MHz		5139.36	49.54	-24.46	74	41.04	33.1	12.86	37.46	146	172	P	H
		5147.42	40.34	-13.66	54	31.84	33.1	12.86	37.46	146	172	A	H
	*	5240	115.19	-	-	106.69	33.12	12.9	37.52	146	172	P	H
	*	5240	107.79	-	-	99.29	33.12	12.9	37.52	146	172	A	H
		5365.24	48.99	-25.01	74	40.49	33	13.1	37.6	146	172	P	H
		5351.47	39.33	-14.67	54	30.84	33	13.08	37.59	146	172	A	H
		5144.56	49.72	-24.28	74	41.22	33.1	12.86	37.46	378	171	P	V
		5086.06	39.42	-14.58	54	30.8	33.16	12.88	37.42	378	171	A	V
	*	5240	111.83	-	-	103.33	33.12	12.9	37.52	378	171	P	V
	*	5240	104.91	-	-	96.41	33.12	12.9	37.52	378	171	A	V
		5376.58	47.3	-26.7	74	38.78	33	13.12	37.6	378	171	P	V
		5350.93	37.84	-16.16	54	29.35	33	13.08	37.59	378	171	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	57.78	-10.42	68.2	41.39	38.8	19.01	41.42	400	207	P	H
		15540	63.08	-10.92	74	45.17	38.46	24.19	44.74	100	117	P	H
		15540	50.04	-3.96	54	32.13	38.46	24.19	44.74	100	117	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	54.36	-13.84	68.2	37.97	38.8	19.01	41.42	197	151	P	V
		15540	59.56	-14.44	74	41.65	38.46	24.19	44.74	398	148	P	V
		15540	47.88	-6.12	54	29.97	38.46	24.19	44.74	398	148	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)
802.11a CH 44 5220MHz		10440	55.62	-12.58	68.2	39.13	38.88	19.08	41.47	100	288	P	H
		15660	62.15	-11.85	74	44.2	38.26	24.31	44.62	131	184	P	H
		15660	48.82	-5.18	54	30.87	38.26	24.31	44.62	131	184	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10440	53.6	-14.6	68.2	37.11	38.88	19.08	41.47	197	151	P	V
		15660	58.32	-15.68	74	40.37	38.26	24.31	44.62	318	178	P	V
		15660	45.99	-8.01	54	28.04	38.26	24.31	44.62	318	178	A	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		10480	57.29	-10.91	68.2	40.76	38.9	19.12	41.49	106	289	P	H
		15720	61.74	-12.26	74	43.43	38.5	24.37	44.56	118	179	P	H
		15720	49	-5	54	30.69	38.5	24.37	44.56	118	179	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10480	55.64	-12.56	68.2	39.11	38.9	19.12	41.49	101	167	P	V
		15720	57.04	-16.96	74	38.73	38.5	24.37	44.56	100	92	P	V
		15720	45.04	-8.96	54	26.73	38.5	24.37	44.56	100	92	A	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.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5149.24	68.15	-5.85	74	59.65	33.1	12.86	37.46	219	178	P	H
		5150	49.86	-4.14	54	41.36	33.1	12.86	37.46	219	178	A	H
	*	5180	115.48	-	-	106.95	33.16	12.85	37.48	219	178	P	H
	*	5180	108.44	-	-	99.91	33.16	12.85	37.48	219	178	A	H
													H
													H
		5147.68	62.29	-11.71	74	53.79	33.1	12.86	37.46	277	160	P	V
		5150	45.36	-8.64	54	36.86	33.1	12.86	37.46	277	160	A	V
	*	5180	110.8	-	-	102.27	33.16	12.85	37.48	277	160	P	V
	*	5180	103.73	-	-	95.2	33.16	12.85	37.48	277	160	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5057.2	49.81	-24.19	74	41.06	33.27	12.89	37.41	200	176	P	H
		5145.08	40.77	-13.23	54	32.27	33.1	12.86	37.46	200	176	A	H
	*	5220	114.07	-	-	105.55	33.16	12.87	37.51	200	176	P	H
	*	5220	107.49	-	-	98.97	33.16	12.87	37.51	200	176	A	H
		5364.16	48.36	-25.64	74	39.86	33	13.1	37.6	200	176	P	H
		5355.52	39	-15	54	30.5	33	13.09	37.59	200	176	A	H
		5075.66	49.09	-24.91	74	40.43	33.2	12.88	37.42	400	172	P	V
		5077.48	39.27	-14.73	54	30.62	33.19	12.88	37.42	400	172	A	V
	*	5220	109.49	-	-	100.97	33.16	12.87	37.51	400	172	P	V
	*	5220	102.08	-	-	93.56	33.16	12.87	37.51	400	172	A	V
		5379.55	47.13	-26.87	74	38.61	33	13.13	37.61	400	172	P	V
		5361.73	37.31	-16.69	54	28.8	33	13.1	37.59	400	172	A	V



802.11n HT20 CH 48 5240MHz		5143	50.52	-23.48	74	42.02	33.1	12.86	37.46	200	176	P	H
		5145.86	40.51	-13.49	54	32.01	33.1	12.86	37.46	200	176	A	H
	*	5240	114.79	-	-	106.29	33.12	12.9	37.52	200	176	P	H
	*	5240	108.22	-	-	99.72	33.12	12.9	37.52	200	176	A	H
		5374.69	47.69	-26.31	74	39.17	33	13.12	37.6	200	176	P	H
		5352.55	39.21	-14.79	54	30.72	33	13.08	37.59	200	176	A	H
		5107.9	48.84	-25.16	74	40.31	33.1	12.87	37.44	100	100	P	V
		5074.62	39.21	-14.79	54	30.55	33.2	12.88	37.42	100	100	A	V
	*	5240	112.39	-	-	103.89	33.12	12.9	37.52	100	100	P	V
	*	5240	104.11	-	-	95.61	33.12	12.9	37.52	100	100	A	V
		5456.23	46.72	-27.28	74	38.16	33	13.21	37.65	100	100	P	V
		5350.12	37.61	-16.39	54	29.12	33	13.08	37.59	100	100	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	50.23	-17.97	68.2	33.84	38.8	19.01	41.42	-	-	P	H
		15540	63.04	-10.96	74	45.13	38.46	24.19	44.74	115	356	P	H
		15540	50.72	-3.28	54	32.81	38.46	24.19	44.74	115	356	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	50.73	-17.47	68.2	34.34	38.8	19.01	41.42	-	-	P	V
		15540	59.12	-14.88	74	41.21	38.46	24.19	44.74	395	149	P	V
		15540	46.82	-7.18	54	28.91	38.46	24.19	44.74	395	149	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 44 5220MHz		10440	51.53	-16.67	68.2	35.04	38.88	19.08	41.47	-	-	P	H
		15660	61.6	-12.4	74	43.65	38.26	24.31	44.62	128	178	P	H
		15660	48.23	-5.77	54	30.28	38.26	24.31	44.62	128	178	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10440	50.5	-17.7	68.2	34.01	38.88	19.08	41.47	-	-	P	V
		15660	59.67	-14.33	74	41.72	38.26	24.31	44.62	322	183	P	V
		15660	45.66	-8.34	54	27.71	38.26	24.31	44.62	322	183	A	V
													V
													V
													V
													V
													V
													V
													V

[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 52 5260MHz		5149.94	49.97	-24.03	74	41.47	33.1	12.86	37.46	205	183	P	H
		5142.12	40.53	-13.47	54	32.03	33.1	12.86	37.46	205	183	A	H
	*	5260	115.74	-	-	107.23	33.1	12.94	37.53	205	183	P	H
	*	5260	108.97	-	-	100.46	33.1	12.94	37.53	205	183	A	H
		5354.64	48.81	-25.19	74	40.31	33	13.09	37.59	205	183	P	H
		5354.88	40.12	-13.88	54	31.62	33	13.09	37.59	205	183	A	H
		5106.42	49.26	-24.74	74	40.73	33.1	12.87	37.44	294	164	P	V
		5064.6	39.41	-14.59	54	30.69	33.24	12.89	37.41	294	164	A	V
	*	5260	109.49	-	-	100.98	33.1	12.94	37.53	294	164	P	V
	*	5260	102.51	-	-	94	33.1	12.94	37.53	294	164	A	V
		5392.8	46.85	-27.15	74	38.31	33	13.15	37.61	294	164	P	V
		5423.04	37.44	-16.56	54	28.89	33	13.18	37.63	294	164	A	V
802.11a CH 60 5300MHz		5107.44	51.28	-22.72	74	42.75	33.1	12.87	37.44	207	184	P	H
		5144.16	40.33	-13.67	54	31.83	33.1	12.86	37.46	207	184	A	H
	*	5300	115.63	-	-	107.09	33.1	13	37.56	207	184	P	H
	*	5300	108.85	-	-	100.31	33.1	13	37.56	207	184	A	H
		5357.52	54.05	-19.95	74	45.55	33	13.09	37.59	207	184	P	H
		5350.08	42.3	-11.7	54	33.81	33	13.08	37.59	207	184	A	H
		5112.54	49.16	-24.84	74	40.63	33.1	12.87	37.44	400	170	P	V
		5074.46	39.26	-14.74	54	30.6	33.2	12.88	37.42	400	170	A	V
	*	5300	110.22	-	-	101.68	33.1	13	37.56	400	170	P	V
	*	5300	102.98	-	-	94.44	33.1	13	37.56	400	170	A	V
		5352.72	51.16	-22.84	74	42.67	33	13.08	37.59	400	170	P	V
		5350.08	39.5	-14.5	54	31.01	33	13.08	37.59	400	170	A	V



802.11a CH 64 5320MHz	*	5320	114.73	-	-	106.21	33.06	13.03	37.57	201	172	P	H
	*	5320	108.13	-	-	99.61	33.06	13.03	37.57	201	172	A	H
		5354.24	61.69	-12.31	74	53.19	33	13.09	37.59	201	172	P	H
		5350.08	49.29	-4.71	54	40.8	33	13.08	37.59	201	172	A	H
													H
													H
	*	5320	108.5	-	-	99.98	33.06	13.03	37.57	400	180	P	V
	*	5320	101.75	-	-	93.23	33.06	13.03	37.57	400	180	A	V
		5350.24	57.43	-16.57	74	48.94	33	13.08	37.59	400	180	P	V
		5350.08	44.04	-9.96	54	35.55	33	13.08	37.59	400	180	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)

[illegible]



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 60 5300MHz		10600	59.98	-14.02	74	43.24	39.1	19.23	41.59	100	188	P	H
		10600	46.7	-7.3	54	29.96	39.1	19.23	41.59	100	188	A	H
		15900	57.3	-16.7	74	39.03	38.1	24.54	44.37	135	181	P	H
		15900	49.51	-4.49	54	31.24	38.1	24.54	44.37	135	181	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		10600	55.76	-18.24	74	39.02	39.1	19.23	41.59	100	152	P	V
		10600	45.08	-8.92	54	28.34	39.1	19.23	41.59	100	152	A	V
		15900	53.21	-20.79	74	34.94	38.1	24.54	44.37	305	190	P	V
		15900	45.57	-8.43	54	27.3	38.1	24.54	44.37	305	190	A	V
													V
													V
													V
													V
													V
													V
													V

[illegible]



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		5079.56	49.33	-24.67	74	40.69	33.18	12.88	37.42	300	188	P	H
		5138.38	40.16	-13.84	54	31.66	33.1	12.86	37.46	300	188	A	H
	*	5260	115.04	-	-	106.53	33.1	12.94	37.53	300	188	P	H
	*	5260	108.04	-	-	99.53	33.1	12.94	37.53	300	188	A	H
		5382	49.22	-24.78	74	40.7	33	13.13	37.61	300	188	P	H
		5351.76	39.84	-14.16	54	31.35	33	13.08	37.59	300	188	A	H
		5041.82	49.01	-24.99	74	40.23	33.28	12.9	37.4	100	79	P	V
		5074.46	39.24	-14.76	54	30.58	33.2	12.88	37.42	100	79	A	V
	*	5260	110.43	-	-	101.92	33.1	12.94	37.53	100	79	P	V
	*	5260	104.13	-	-	95.62	33.1	12.94	37.53	100	79	A	V
		5427.12	47.81	-26.19	74	39.25	33	13.19	37.63	100	79	P	V
		5353.68	38.12	-15.88	54	29.62	33	13.09	37.59	100	79	A	V
802.11n HT20 CH 60 5300MHz		5100.98	50.69	-23.31	74	42.15	33.1	12.87	37.43	200	174	P	H
		5147.56	40.18	-13.82	54	31.68	33.1	12.86	37.46	200	174	A	H
	*	5300	115.57	-	-	107.03	33.1	13	37.56	200	174	P	H
	*	5300	108.63	-	-	100.09	33.1	13	37.56	200	174	A	H
		5350.32	54.12	-19.88	74	45.63	33	13.08	37.59	200	174	P	H
		5350.08	42.82	-11.18	54	34.33	33	13.08	37.59	200	174	A	H
		5096.22	49.3	-24.7	74	40.73	33.12	12.88	37.43	100	78	P	V
		5061.88	39.29	-14.71	54	30.56	33.25	12.89	37.41	100	78	A	V
	*	5300	112.02	-	-	103.48	33.1	13	37.56	100	78	P	V
	*	5300	104.6	-	-	96.06	33.1	13	37.56	100	78	A	V
		5351.52	50.21	-23.79	74	41.72	33	13.08	37.59	100	78	P	V
		5350.08	39.71	-14.29	54	31.22	33	13.08	37.59	100	78	A	V



802.11n HT20 CH 64 5320MHz	*	5320	113.93	-	-	105.41	33.06	13.03	37.57	100	157	P	H
	*	5320	106.65	-	-	98.13	33.06	13.03	37.57	100	157	A	H
		5356	61.35	-12.65	74	52.85	33	13.09	37.59	100	157	P	H
		5350.24	49.11	-4.89	54	40.62	33	13.08	37.59	100	157	A	H
													H
													H
	*	5320	109.84	-	-	101.32	33.06	13.03	37.57	100	78	P	V
	*	5320	103.28	-	-	94.76	33.06	13.03	37.57	100	78	A	V
		5350.24	57.55	-16.45	74	49.06	33	13.08	37.59	100	78	P	V
		5350.4	45.63	-8.37	54	37.14	33	13.08	37.59	100	78	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	58.63	-9.57	68.2	42.1	38.9	19.15	41.52	100	238	P	H
		15780	58.62	-15.38	74	40.43	38.26	24.42	44.49	100	176	P	H
		15780	48.06	-5.94	54	29.87	38.26	24.42	44.49	100	176	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	55.75	-12.45	68.2	39.22	38.9	19.15	41.52	250	153	P	V
		15780	54.9	-19.1	74	36.71	38.26	24.42	44.49	350	178	P	V
		15780	44.94	-9.06	54	26.75	38.26	24.42	44.49	350	178	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 60 5300MHz		10600	59.68	-14.32	74	42.94	39.1	19.23	41.59	400	207	P	H
		10600	46.32	-7.68	54	29.58	39.1	19.23	41.59	400	207	A	H
		15900	59.01	-14.99	74	40.74	38.1	24.54	44.37	100	186	P	H
		15900	48.1	-5.9	54	29.83	38.1	24.54	44.37	100	186	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		10600	57.09	-16.91	74	40.35	39.1	19.23	41.59	250	157	P	V
		10600	44.36	-9.64	54	27.62	39.1	19.23	41.59	250	157	A	V
		15900	56.14	-17.86	74	37.87	38.1	24.54	44.37	100	98	P	V
		15900	45.1	-8.9	54	26.83	38.1	24.54	44.37	100	98	A	V
													V
													V
													V
													V
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													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz		10640	56.54	-17.46	74	39.65	39.26	19.26	41.63	100	187	P	H
		10640	43.44	-10.56	54	26.55	39.26	19.26	41.63	100	187	A	H
		15960	58.02	-15.98	74	39.43	38.3	24.6	44.31	100	179	P	H
		15960	48.35	-5.65	54	29.76	38.3	24.6	44.31	100	179	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		10640	52.67	-21.33	74	35.78	39.26	19.26	41.63	300	172	P	V
		10640	42.87	-11.13	54	25.98	39.26	19.26	41.63	300	172	A	V
		15960	54.78	-19.22	74	36.19	38.3	24.6	44.31	300	176	P	V
		15960	45.15	-8.85	54	26.56	38.3	24.6	44.31	300	176	A	V
													V
													V
													V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.92	55.86	-18.14	74	47.4	32.9	13.22	37.66	100	177	P	H
		5469.52	64.34	-3.86	68.2	55.87	32.9	13.23	37.66	100	177	P	H
		5460	43.54	-10.46	54	35.08	32.9	13.22	37.66	100	177	A	H
	*	5500	116.07	-	-	107.59	32.9	13.26	37.68	100	177	P	H
	*	5500	108.71	-	-	100.23	32.9	13.26	37.68	100	177	A	H
													H
		5459.92	52.9	-21.1	74	44.44	32.9	13.22	37.66	100	75	P	V
		5469.68	59.23	-8.97	68.2	50.76	32.9	13.23	37.66	100	75	P	V
		5459.44	40.66	-13.34	54	32.19	32.9	13.22	37.65	100	75	A	V
	*	5500	110.83	-	-	102.35	32.9	13.26	37.68	100	75	P	V
	*	5500	103.78	-	-	95.3	32.9	13.26	37.68	100	75	A	V
													V
802.11a CH 116 5580MHz		5452.24	48.41	-25.59	74	39.85	33	13.21	37.65	100	176	P	H
		5467.6	49.27	-18.93	68.2	40.71	33	13.22	37.66	100	176	P	H
		5352.16	40.59	-13.41	54	32.1	33	13.08	37.59	100	176	A	H
	*	5580	116.78	-	-	108.16	33	13.33	37.71	100	176	P	H
	*	5580	109.77	-	-	101.15	33	13.33	37.71	100	176	A	H
		5746.73	50.35	-17.85	68.2	40.78	33.77	13.56	37.76	100	176	P	H
		5395.36	48.71	-25.29	74	40.18	33	13.15	37.62	100	75	P	V
		5460.16	47.07	-21.13	68.2	38.51	33	13.22	37.66	100	75	P	V
		5458.24	39.58	-14.42	54	31.01	33	13.22	37.65	100	75	A	V
	*	5580	110.53	-	-	101.91	33	13.33	37.71	100	75	P	V
	*	5580	103.48	-	-	94.86	33	13.33	37.71	100	75	A	V
		5753.345	47.75	-20.45	68.2	38.13	33.82	13.56	37.76	100	75	P	V



802.11a CH 140 5700MHz	*	5700	114.57	-	-	105.42	33.4	13.49	37.74	302	183	P	H
	*	5700	107.52	-	-	98.37	33.4	13.49	37.74	302	183	A	H
		5725	65.14	-3.06	68.2	55.76	33.6	13.53	37.75	302	183	P	H
													H
													H
													H
	*	5700	111.83	-	-	102.68	33.4	13.49	37.74	100	78	P	V
	*	5700	104.95	-	-	95.8	33.4	13.49	37.74	100	78	A	V
		5725.16	62.3	-5.9	68.2	52.92	33.6	13.53	37.75	100	78	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	59.32	-14.68	74	42.62	38.9	19.6	41.8	100	194	P	H
		11000	43.85	-10.15	54	27.15	38.9	19.6	41.8	100	194	A	H
		16500	53.27	-14.93	68.2	34.38	38.5	24.63	44.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	53.44	-20.56	74	36.74	38.9	19.6	41.8	297	175	P	V
		11000	43.01	-10.99	54	26.31	38.9	19.6	41.8	297	175	A	V
		16500	52.74	-15.46	68.2	33.85	38.5	24.63	44.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 116 5580MHz		11160	60.1	-13.9	74	43.39	39	19.75	42.04	100	198	P	H
		11160	47.54	-6.46	54	30.83	39	19.75	42.04	100	198	A	H
		16740	59.44	-8.76	68.2	40.7	38.32	24.63	44.21	100	327	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11160	54.68	-19.32	74	37.97	39	19.75	42.04	100	182	P	V
		11160	44.4	-9.6	54	27.69	39	19.75	42.04	100	182	A	V
		16740	60.12	-8.08	68.2	41.38	38.32	24.63	44.21	400	236	P	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz		11400	51.82	-22.18	74	35.16	39.2	19.97	42.51	100	222	P	H
		11400	43.46	-10.54	54	26.8	39.2	19.97	42.51	100	222	A	H
		17100	52.65	-15.55	68.2	34.72	37.9	24.67	44.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
		11400	50.86	-23.14	74	34.2	39.2	19.97	42.51	100	102	P	V
		11400	42.13	-11.87	54	25.47	39.2	19.97	42.51	100	102	A	V
		17100	51.22	-16.98	68.2	33.29	37.9	24.67	44.64	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 3 - 5470~5725MHz
WIFI 802.11n 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		5456.4	52.35	-21.65	74	43.79	33	13.21	37.65	100	175	P	H
		5467.6	60.45	-7.75	68.2	51.89	33	13.22	37.66	100	175	P	H
		5460	42.43	-11.57	54	33.87	33	13.22	37.66	100	175	A	H
	*	5500	115.18	-	-	106.6	33	13.26	37.68	100	175	P	H
	*	5500	107.94	-	-	99.36	33	13.26	37.68	100	175	A	H
													H
		5430.48	49.32	-24.68	74	40.77	33	13.19	37.64	100	75	P	V
		5468.88	51.4	-16.8	68.2	42.83	33	13.23	37.66	100	75	P	V
		5460	39.83	-14.17	54	31.27	33	13.22	37.66	100	75	A	V
	*	5500	109.38	-	-	100.8	33	13.26	37.68	100	75	P	V
	*	5500	102.5	-	-	93.92	33	13.26	37.68	100	75	A	V
													V
802.11n HT20 CH 116 5580MHz		5424.64	51.16	-22.84	74	42.61	33	13.18	37.63	190	174	P	H
		5461.6	49.73	-18.47	68.2	41.17	33	13.22	37.66	190	174	P	H
		5457.28	41.6	-12.4	54	33.04	33	13.21	37.65	190	174	A	H
	*	5580	116.2	-	-	107.58	33	13.33	37.71	190	174	P	H
	*	5580	109.65	-	-	101.03	33	13.33	37.71	190	174	A	H
		5730.035	50.14	-18.06	68.2	40.72	33.64	13.53	37.75	190	174	P	H
		5435.68	48.29	-25.71	74	39.74	33	13.19	37.64	100	78	P	V
		5464.48	47.41	-20.79	68.2	38.85	33	13.22	37.66	100	78	P	V
		5459.92	39.21	-14.79	54	30.65	33	13.22	37.66	100	78	A	V
	*	5580	113.63	-	-	105.01	33	13.33	37.71	100	78	P	V
	*	5580	106.77	-	-	98.15	33	13.33	37.71	100	78	A	V
		5753.345	49.11	-19.09	68.2	39.49	33.82	13.56	37.76	100	78	P	V



802.11n HT20 CH 140 5700MHz	*	5700	114.32	-	-	105.17	33.4	13.49	37.74	290	191	P	H
	*	5700	107.49	-	-	98.34	33.4	13.49	37.74	290	191	A	H
		5725.4	63.48	-4.72	68.2	54.1	33.6	13.53	37.75	290	191	P	H
													H
													H
													H
	*	5700	111.85	-	-	102.7	33.4	13.49	37.74	100	77	P	V
	*	5700	104.08	-	-	94.93	33.4	13.49	37.74	100	77	A	V
		5725.08	59.17	-9.03	68.2	49.79	33.6	13.53	37.75	100	77	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	52.8	-21.2	74	36.26	38.9	19.6	41.96	100	205	P	H
		11000	42.74	-11.26	54	26.2	38.9	19.6	41.96	100	205	A	H
		16500	52.69	-15.51	68.2	33.77	38.5	24.63	44.21	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	53.22	-20.78	74	36.68	38.9	19.6	41.96	400	190	P	V
		11000	42	-12	54	25.46	38.9	19.6	41.96	400	190	A	V
		16500	52.46	-15.74	68.2	33.54	38.5	24.63	44.21	-	-	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	60.16	-13.84	74	43.45	39	19.75	42.04	100	196	P	H
		11160	47.52	-6.48	54	30.81	39	19.75	42.04	100	196	A	H
		16740	56.33	-11.87	68.2	37.59	38.32	24.63	44.21	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11160	54.69	-19.31	74	37.98	39	19.75	42.04	100	193	P	V
		11160	44.72	-9.28	54	28.01	39	19.75	42.04	100	193	A	V
		16740	57.4	-10.8	68.2	38.66	38.32	24.63	44.21	-	-	P	V
													V
													V
													V
													V
													V
													V

[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		5449.45	47.99	-26.01	74	39.43	33	13.21	37.65	302	189	P	H
		5470	46.39	-21.81	68.2	37.82	33	13.23	37.66	302	189	P	H
		5456.08	39.13	-14.87	54	30.57	33	13.21	37.65	302	189	A	H
	*	5720	116.1	-	-	106.77	33.56	13.52	37.75	302	189	P	H
	*	5720	109.54	-	-	100.21	33.56	13.52	37.75	302	189	A	H
		5925.75	50.42	-17.78	68.2	40.1	34.35	13.79	37.82	302	189	P	H
		5440.09	46.14	-27.86	74	37.58	33	13.2	37.64	100	79	P	V
		5464.27	48.83	-19.37	68.2	40.27	33	13.22	37.66	100	79	P	V
		5455.3	37.67	-16.33	54	29.11	33	13.21	37.65	100	79	A	V
	*	5720	114.25	-	-	104.92	33.56	13.52	37.75	100	79	P	V
	*	5720	107.62	-	-	98.29	33.56	13.52	37.75	100	79	A	V
		5868.5	49.66	-18.54	68.2	39.47	34.27	13.72	37.8	100	79	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	55.51	-18.49	74	39.03	39.04	20.01	42.57	100	230	P	H
		11440	45.92	-8.08	54	29.44	39.04	20.01	42.57	100	230	A	H
		17160	56.37	-11.83	68.2	38.37	38	24.7	44.7	100	335	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	51.76	-22.24	74	35.28	39.04	20.01	42.57	300	162	P	V
		11440	43.14	-10.86	54	26.66	39.04	20.01	42.57	300	162	A	V
		17160	59.05	-9.15	68.2	41.05	38	24.7	44.7	250	119	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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		5364.04	48.12	-25.88	74	39.62	33	13.1	37.6	300	182	P	H
		5464.66	47.32	-20.88	68.2	38.76	33	13.22	37.66	300	182	P	H
		5451.01	39.88	-14.12	54	31.32	33	13.21	37.65	300	182	A	H
	*	5720	115.73	-	-	106.4	33.56	13.52	37.75	300	182	P	H
	*	5720	109.14	-	-	99.81	33.56	13.52	37.75	300	182	A	H
		5897.75	49.55	-18.65	68.2	39.21	34.39	13.76	37.81	300	182	P	H
		5437.75	46.57	-27.43	74	38.01	33	13.2	37.64	100	80	P	V
		5461.15	45.7	-22.5	68.2	37.14	33	13.22	37.66	100	80	P	V
		5453.35	37.41	-16.59	54	28.85	33	13.21	37.65	100	80	A	V
	*	5720	113.21	-	-	103.88	33.56	13.52	37.75	100	80	P	V
	*	5720	106.42	-	-	97.09	33.56	13.52	37.75	100	80	A	V
		5913.5	49.73	-18.47	68.2	39.39	34.37	13.78	37.81	100	80	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)

[illegible]

Emission above 18GHz

WIFI 802.11a (SHF @ 1m)

[illegible]

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		65.36	32.92	-7.08	40	54.81	12.27	1.56	35.72	-	-	P	H
		137.95	24.88	-18.62	43.5	40.4	17.83	2.26	35.61	-	-	P	H
		161.75	25.46	-18.04	43.5	42.28	16.36	2.4	35.58	-	-	P	H
		552.8	32.84	-13.16	46	37.29	25.77	4.37	34.59	-	-	P	H
		899.2	35.84	-10.16	46	34.62	28.99	5.52	33.29	-	-	P	H
		941.6	35.17	-10.83	46	32.35	30.31	5.67	33.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		47.17	30.94	-9.06	40	49.33	15.98	1.37	35.74	-	-	P	V
		63.49	32.34	-7.66	40	54.29	12.23	1.54	35.72	-	-	P	V
		137.44	24.85	-18.65	43.5	40.34	17.87	2.25	35.61	-	-	P	V
		332	28.57	-17.43	46	40.51	19.87	3.38	35.19	-	-	P	V
		747.2	34.15	-11.85	46	34.79	28.23	5.03	33.9	-	-	P	V
		953.6	35.86	-10.14	46	32.37	30.9	5.71	33.12	-	-	P	V
													V
													V
													V
													V
													V
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



Note symbol

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



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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		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”.



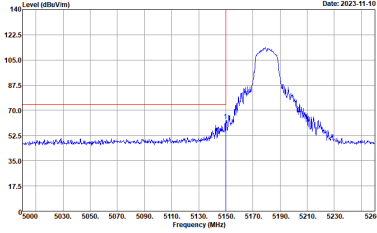
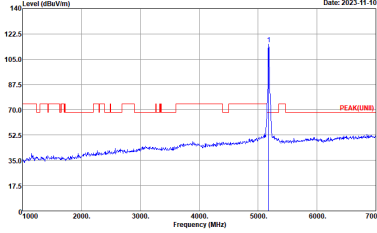
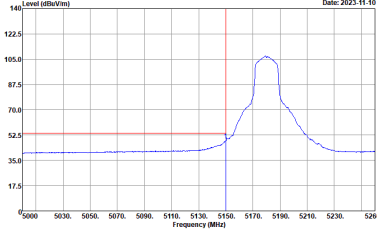
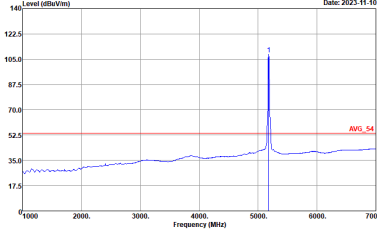
Appendix D. Radiated Spurious Emission Plots

Test Engineer :	John Chuang, David Dai and Howard Huang	Temperature :	18.5~22.4°C
		Relative Humidity :	66.7~69.1%

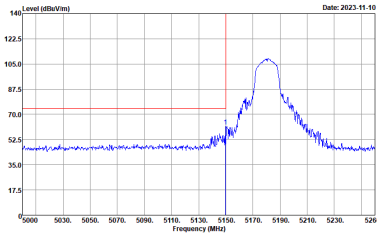
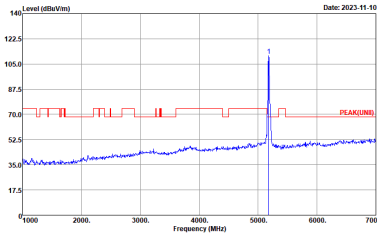
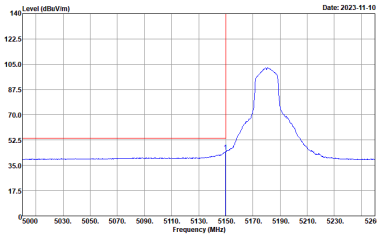
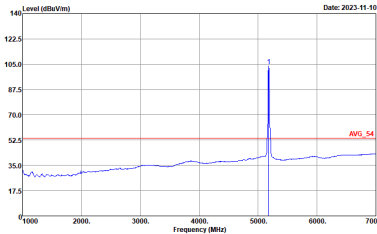
Note symbol

-L	Low channel location
-R	High channel location

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

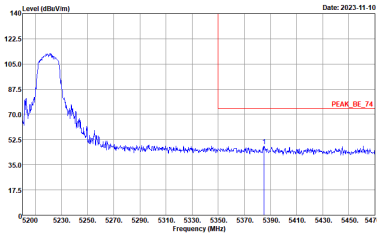
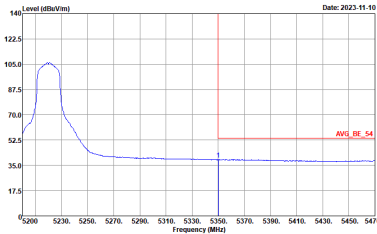


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(FUND) 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto

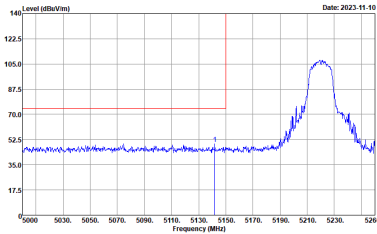
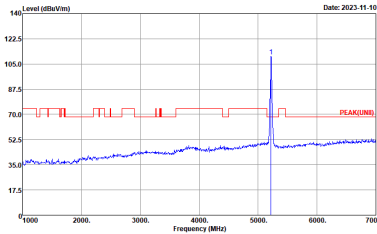
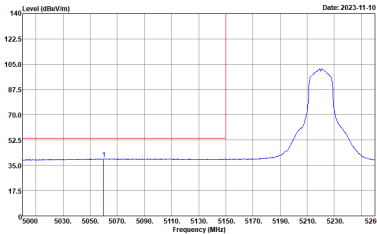
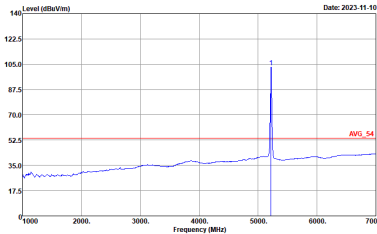


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : : PEAK(LINE1) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Site : 03CH20-HY Condition : : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

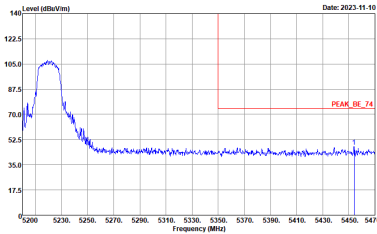
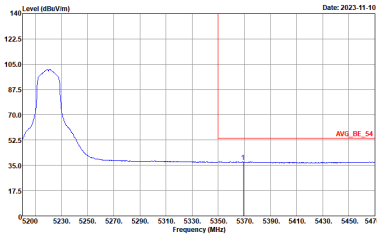


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	Left blank

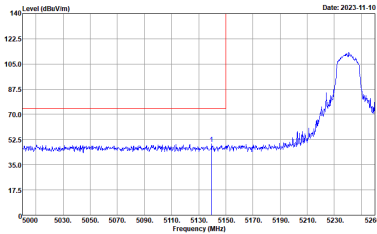
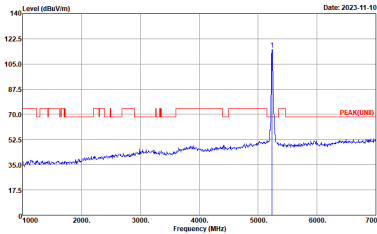
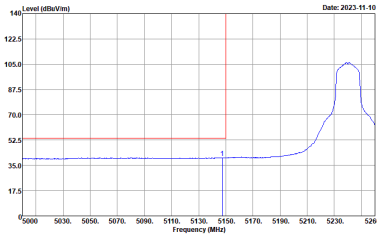
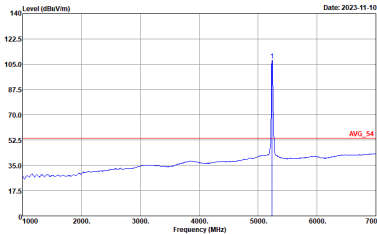


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE1) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto

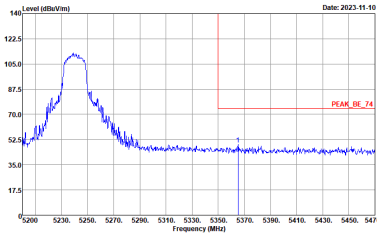
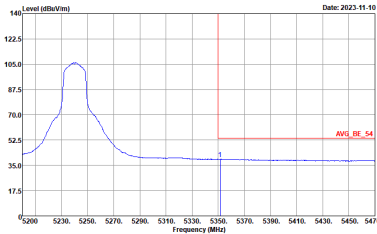


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL : RBW:1000.000kHz VBW:0.270kHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : : PEAK(LINE1) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : : AV6_BE_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : : AV6_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

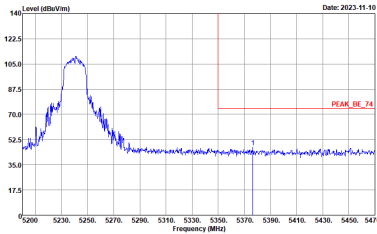
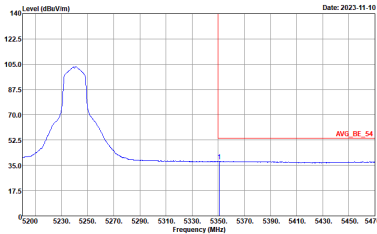


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000kHz VBW:0.270kHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto



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



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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

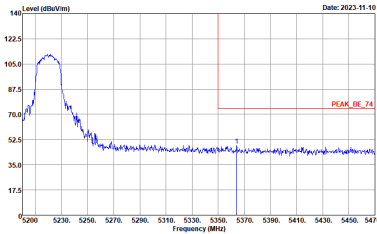
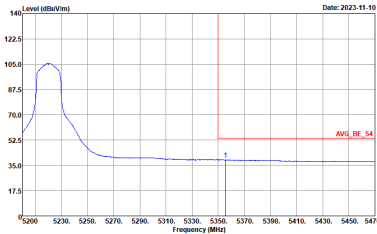


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(LINE1) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto

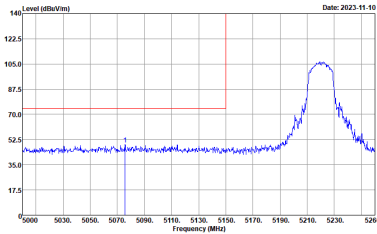
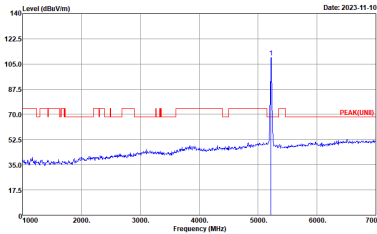
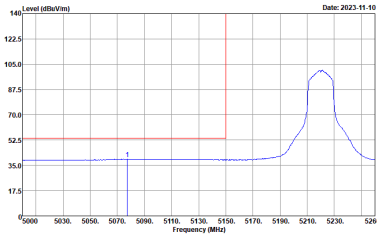
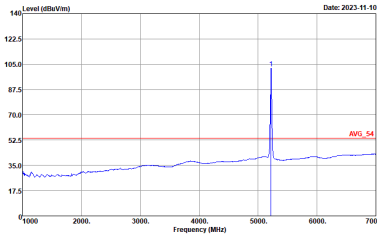


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : : PEAK(LINE1) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : : AV6_BE_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Site : 03CH20-HY Condition : : AV6_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

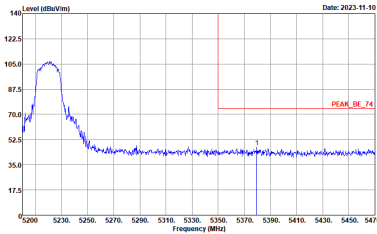
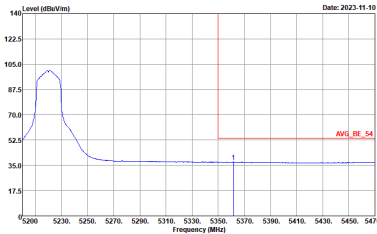


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto

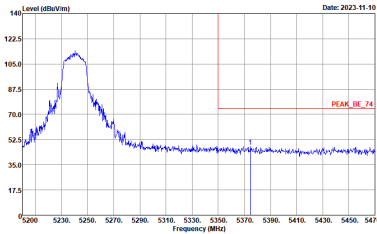
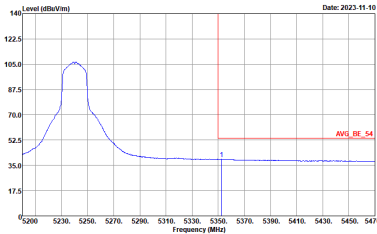


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL : RBW:1000.000kHz VBW:0.270kHz SWT:Auto	Left blank

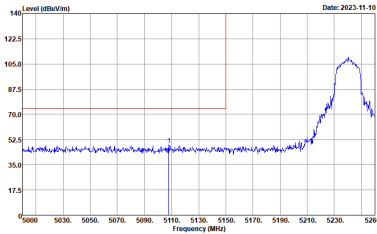
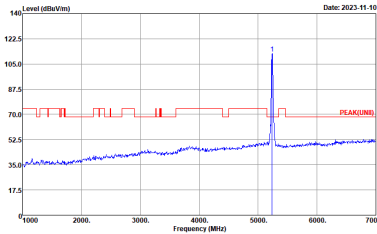
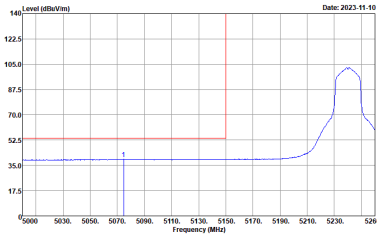
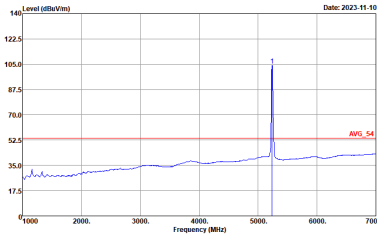


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : : PEAK(LINE) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Site : 03CH20-HY Condition : : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

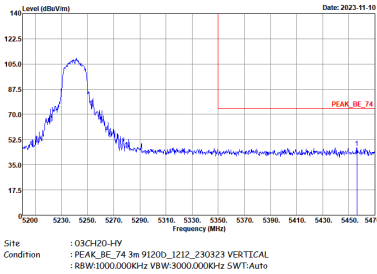
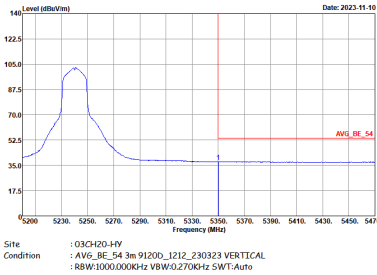


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	Left blank



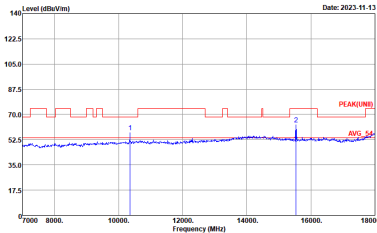
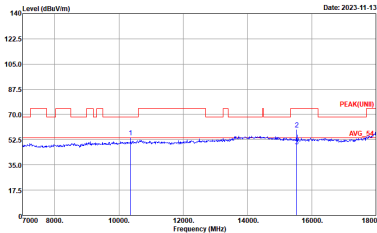
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(FUND) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto



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



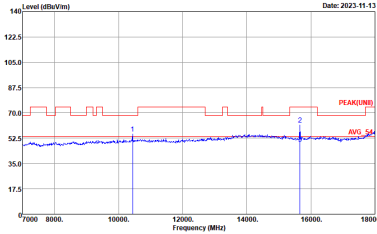
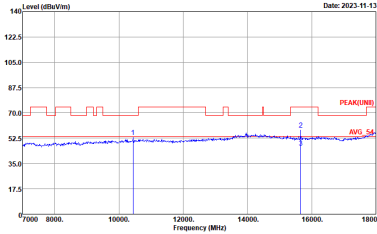
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The date is 2023-11-13. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The date is 2023-11-13. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The date is 2023-11-13. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The date is 2023-11-13. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. The date is 2023-11-13. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. The date is 2023-11-13. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. The date is 2023-11-13. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. The date is 2023-11-13. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 VERTICAL



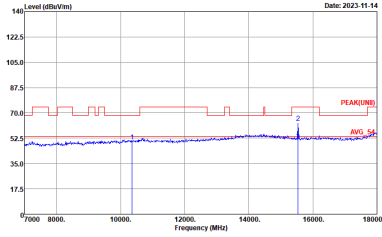
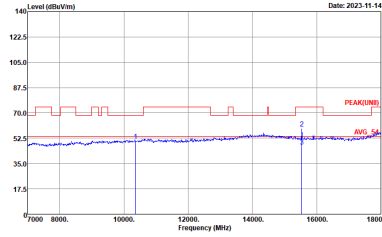
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 VERTICAL



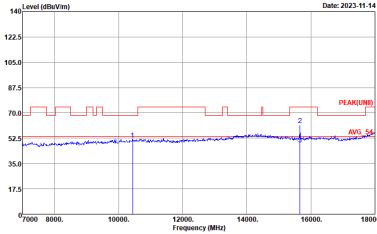
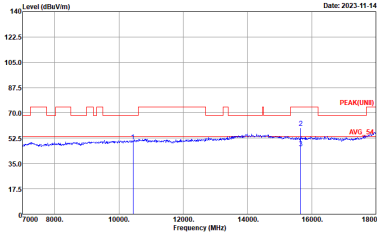
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-4FY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-4FY Condition : PEAK(UNIT) 3m 91200_1212_230323 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: 2023-11-14 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) Date: 2023-11-14 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL
	Level (dBuV/m) Date: 2023-11-14 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) Date: 2023-11-14 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UM) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UM) 3m 91200_1212_230323 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) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.



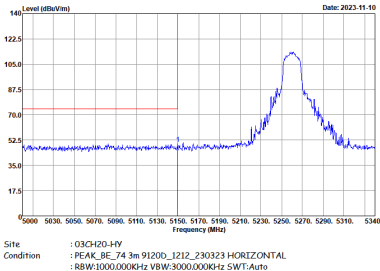
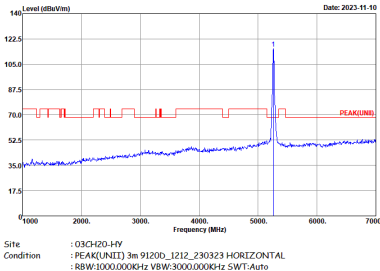
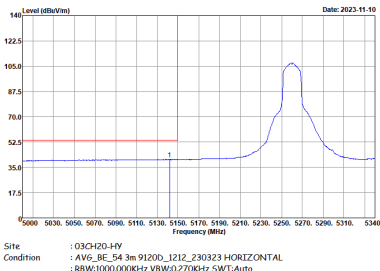
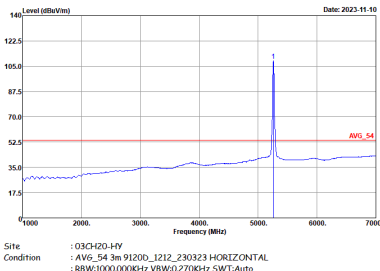
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



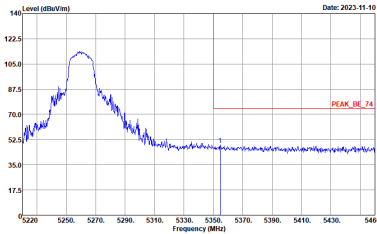
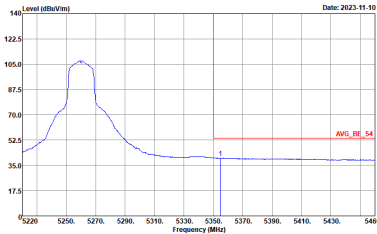
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.



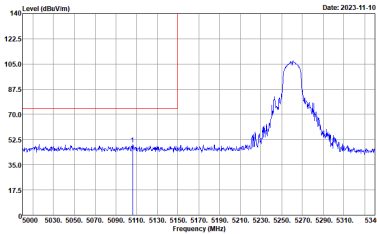
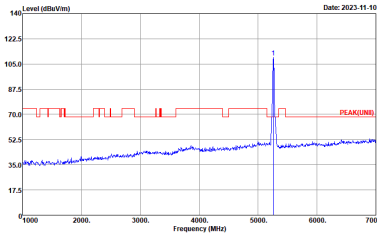
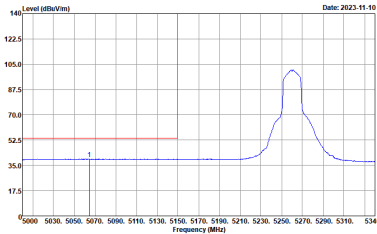
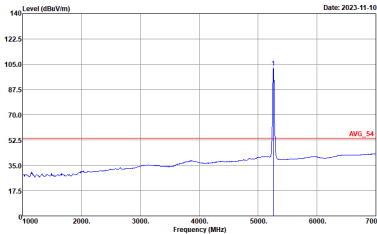
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

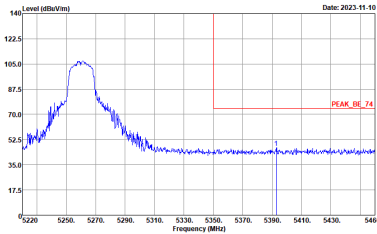
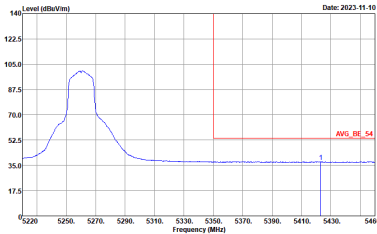


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto

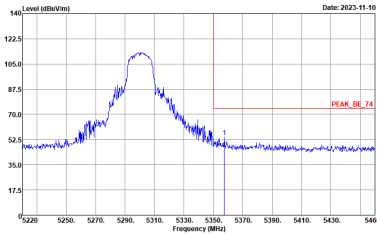
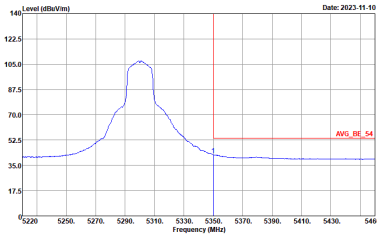


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	Left blank

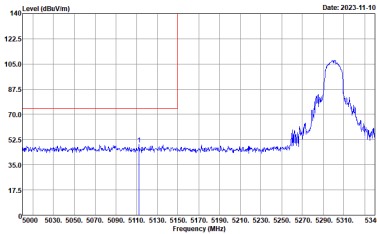
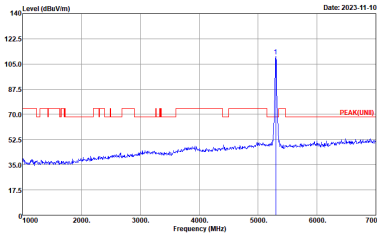
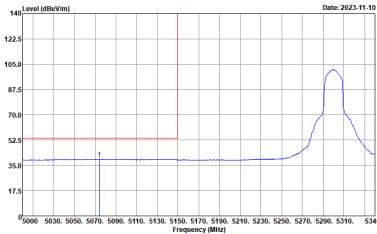
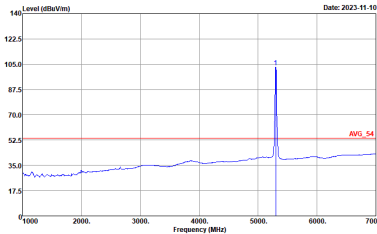


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH20-HY Condition : : PEAK(FUND) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000kHz VBW:0.270kHz SWT:Auto	Site : 03CH20-HY Condition : : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000kHz VBW:0.270kHz SWT:Auto

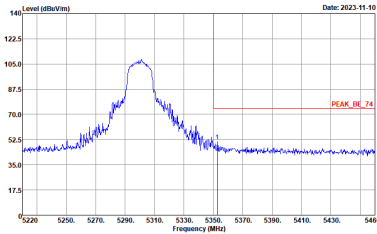
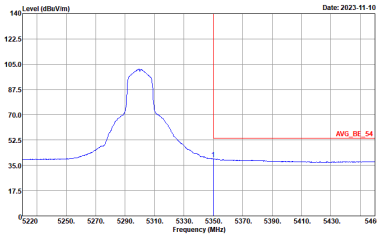


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2023-11-10	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto Date: 2023-11-10	Left blank

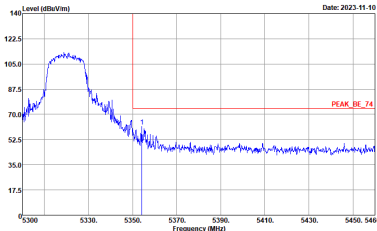
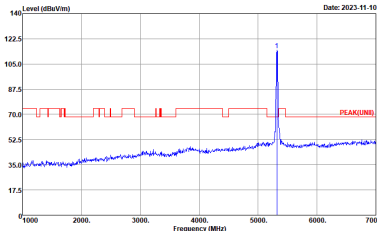
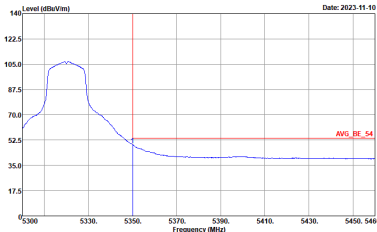
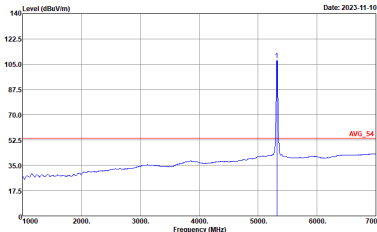


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE1) 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto

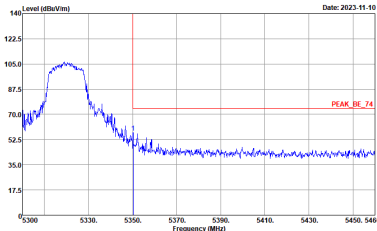
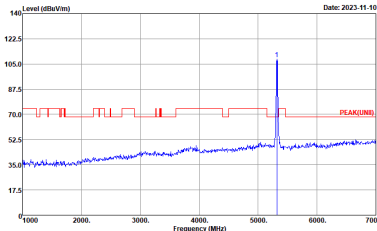
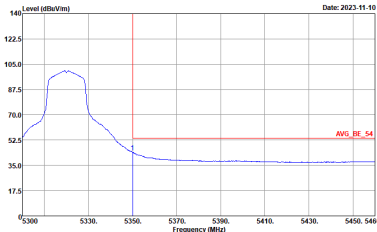
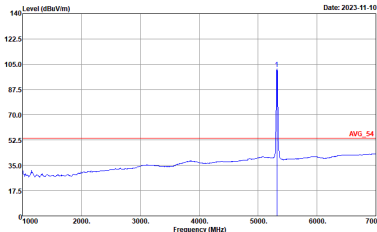


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	Left blank



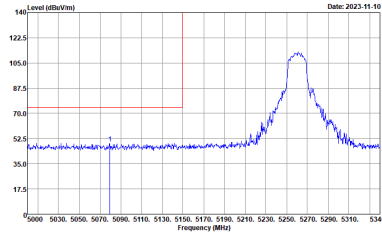
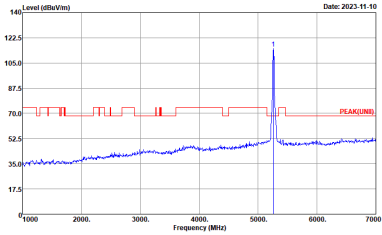
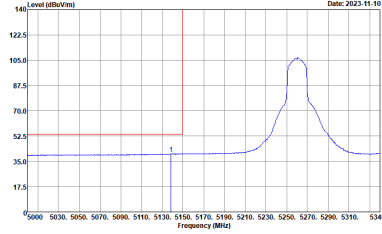
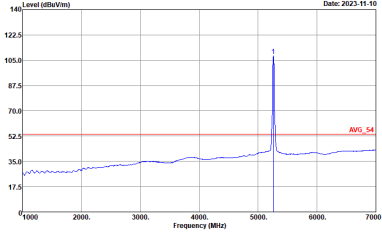
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto



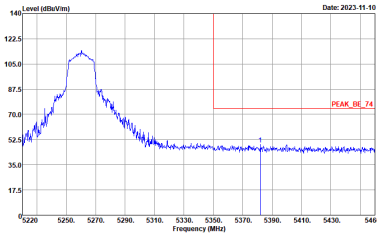
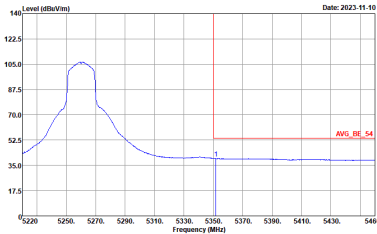
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE1) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto



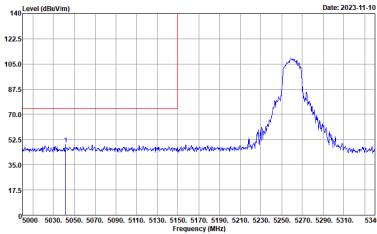
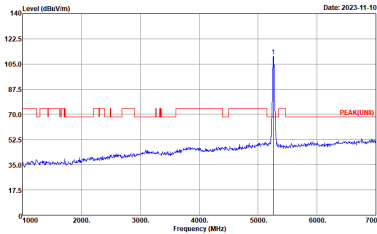
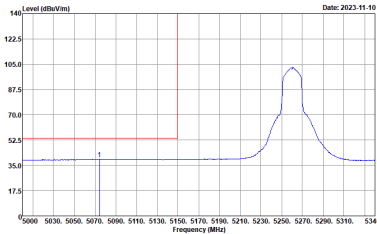
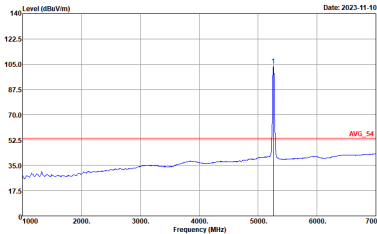
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

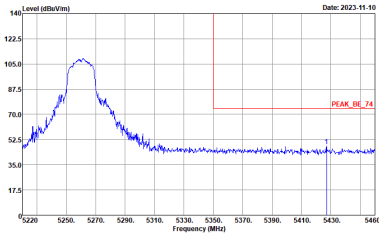
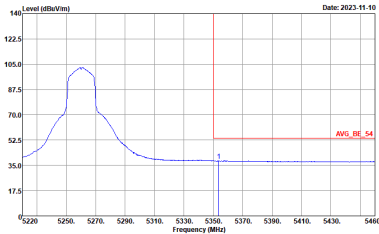


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	Left blank

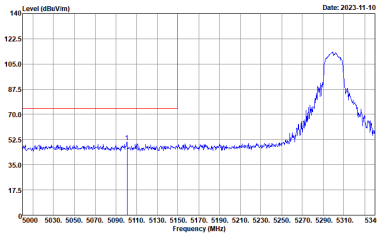
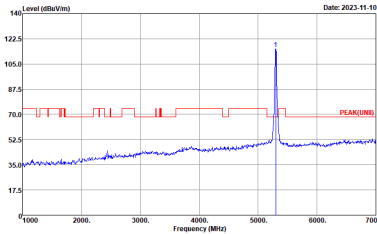
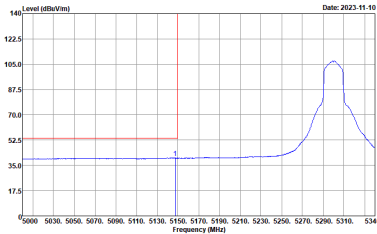
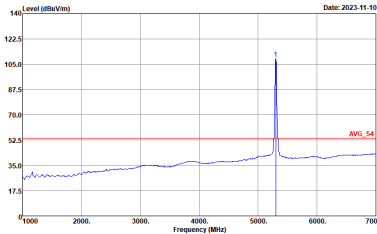


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(FUND) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto

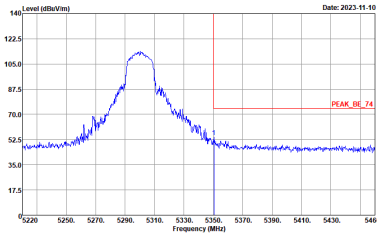
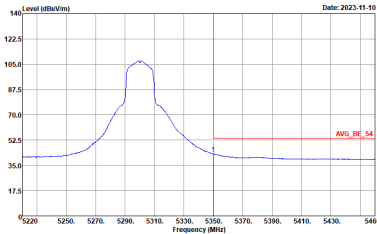


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

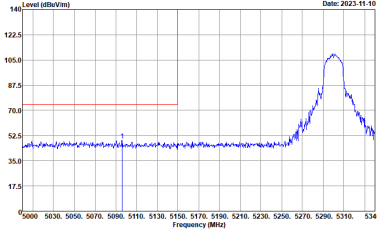
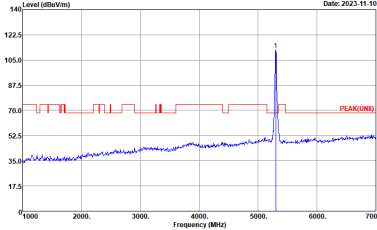
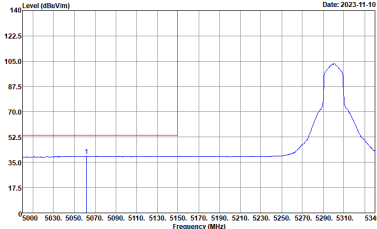
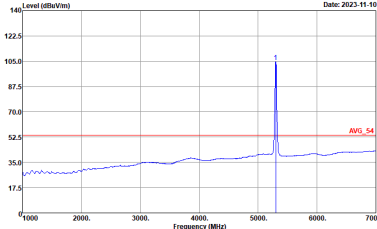


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto

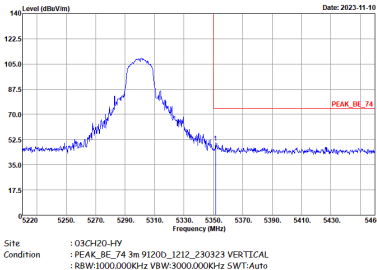
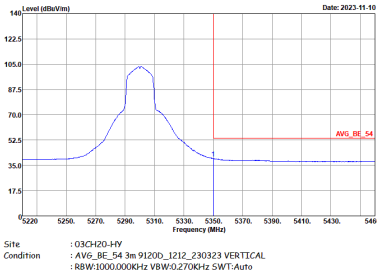


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	Left blank

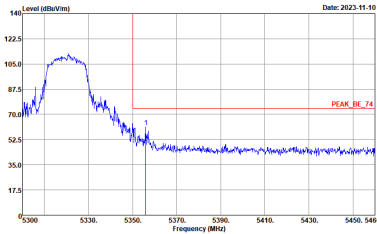
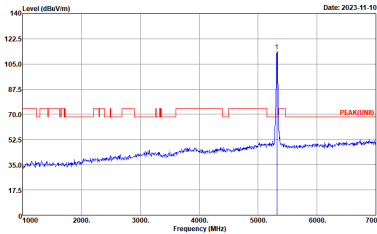
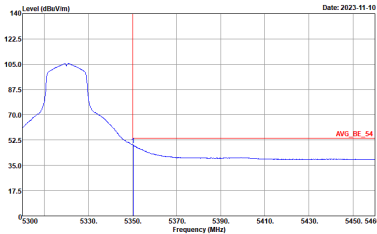
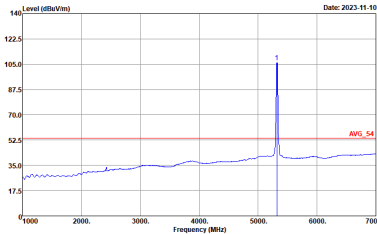


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000kHz VBW:0.270kHz SWT:Auto

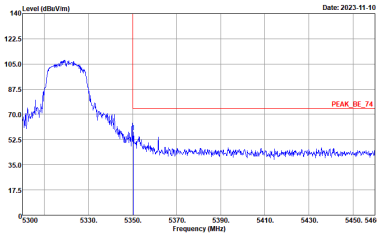
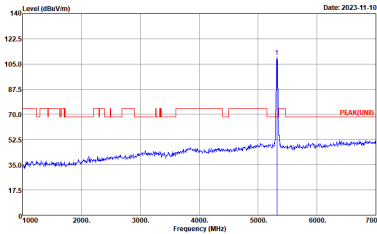
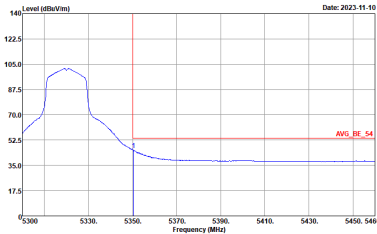
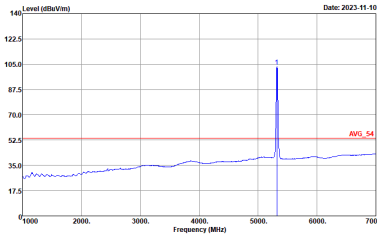


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



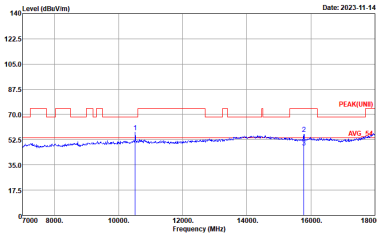
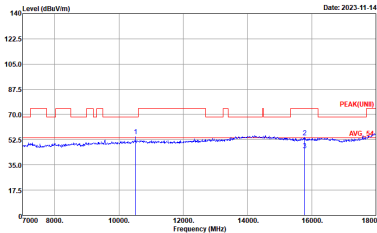
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : : PEAK_BE_74 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : : PEAK(LINE) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : : AVG_BE_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH20-HY Condition : AVG_BE_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto



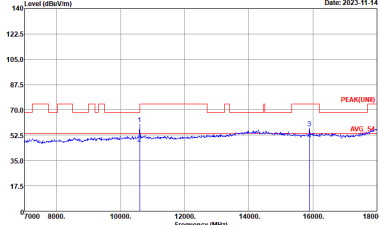
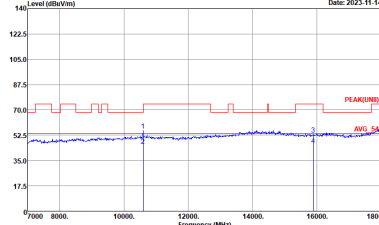
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. A red line labeled 'AVG_54' is at 52.5 dBuV/m. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. Date: 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. A red line labeled 'AVG_54' is at 52.5 dBuV/m. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. Date: 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. A red line labeled 'AVG_54' is at 52.5 dBuV/m. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. Date: 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. A red line labeled 'AVG_54' is at 52.5 dBuV/m. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. Date: 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL

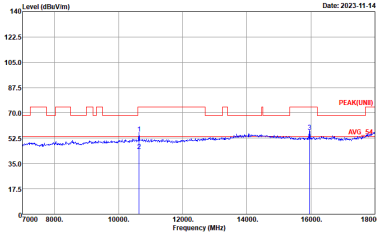
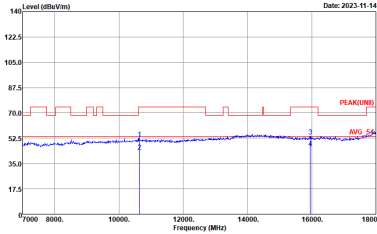


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL



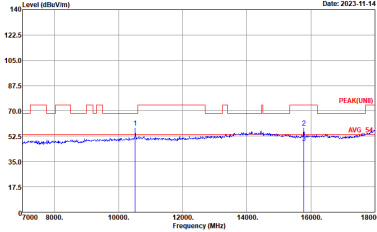
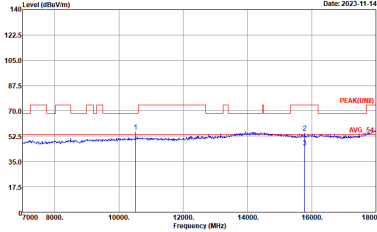
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. A red line indicates the AVG_54 level. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. A red line indicates the AVG_54 level. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. A red line indicates the AVG_54 level. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. A red line indicates the AVG_54 level. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 VERTICAL



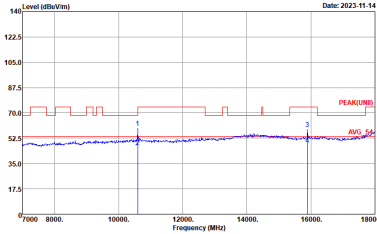
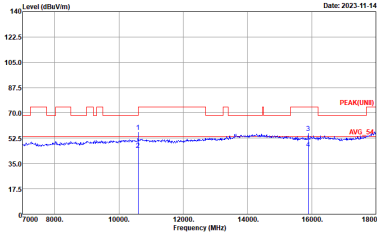
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH420-4FY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH420-4FY Condition : PEAK(UNIT) 3m 91200_1212_230323 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) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The y-axis ranges from 0 to 140 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 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) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



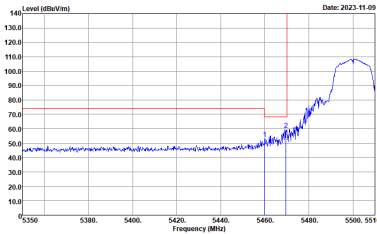
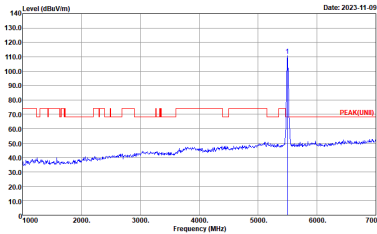
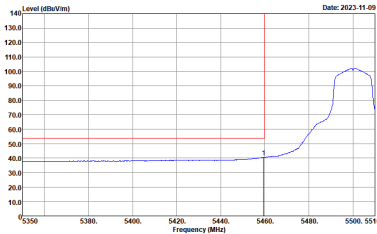
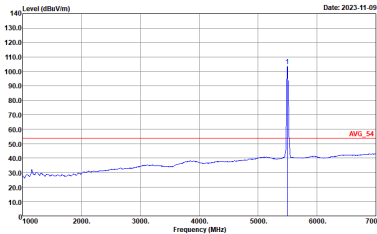
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2023-11-14 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) Date: 2023-11-14 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL
	Level (dBuV/m) Date: 2023-11-14 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) Date: 2023-11-14 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 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 : 03CH20-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

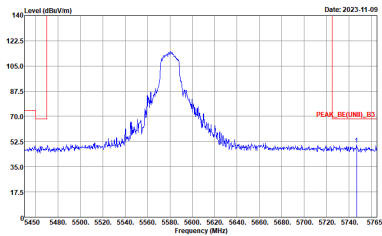


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto

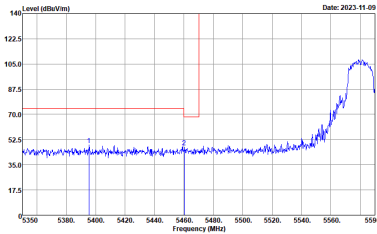
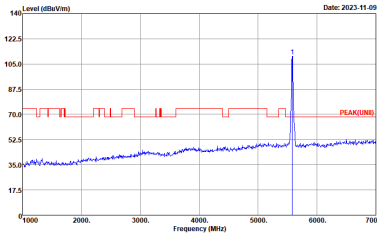
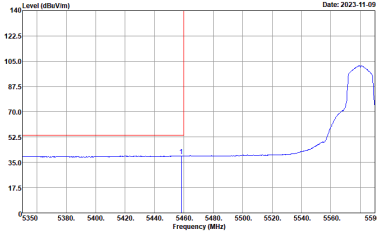
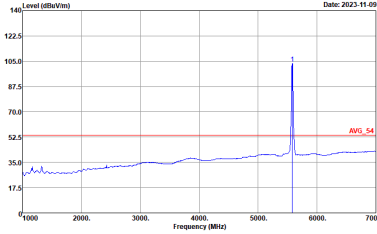


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : : PEAK_BE(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : : AVG_BE(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Site : 03CH20-HY Condition : : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

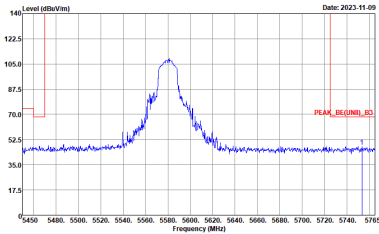


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site: 03CH20-HV Condition: :PEAK_BC(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2023-11-09	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto

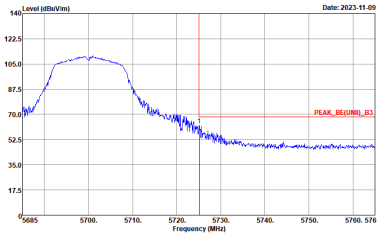
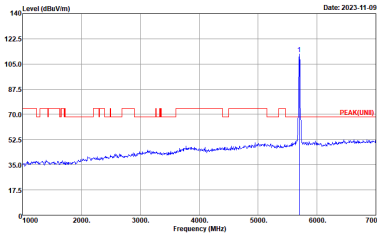
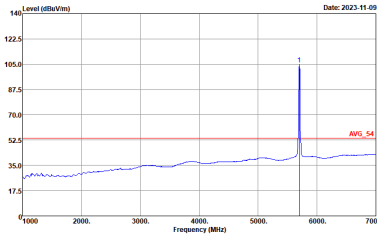


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site: 03CH20-HY Condition: :PEAK_BC(UNIT)_B3 3m 91200_1212_230323 VERTICAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2023-11-09	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_B(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto



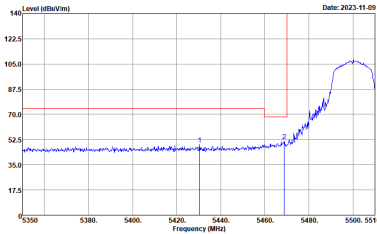
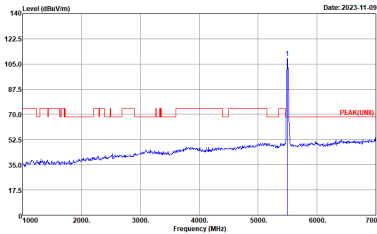
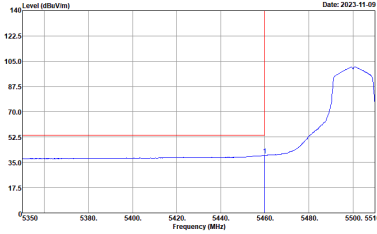
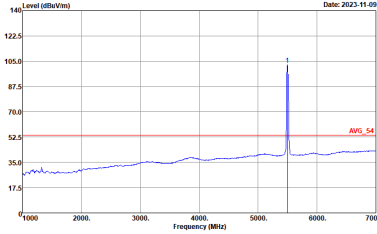
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_B(UNIT)_B3 3m 91200_1212_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto



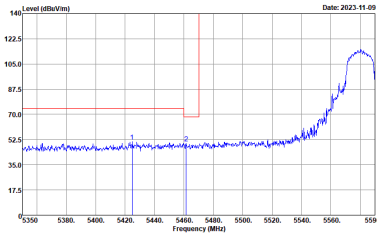
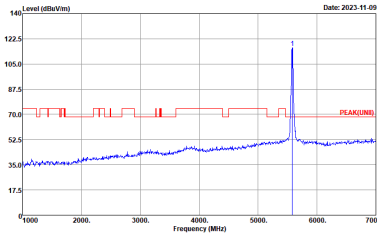
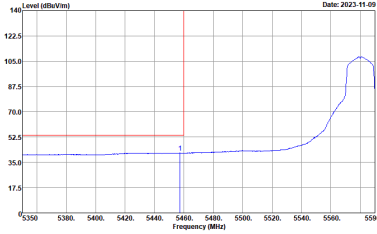
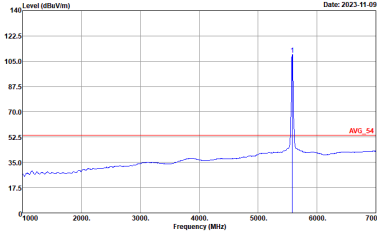
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH20-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

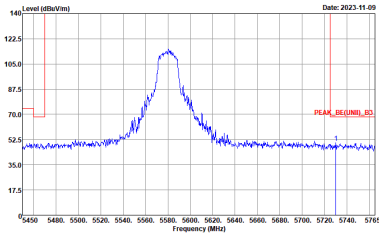


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto

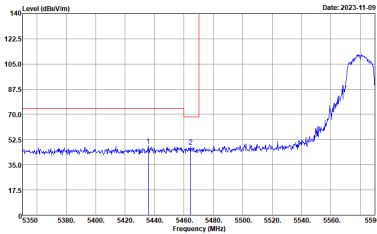
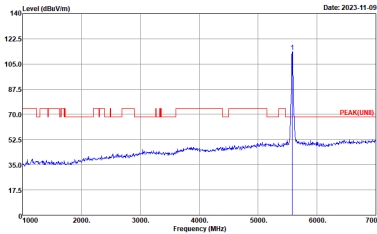
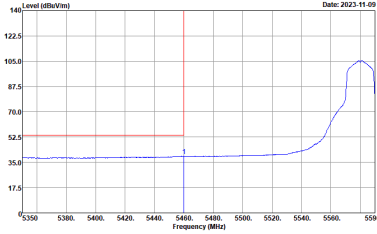
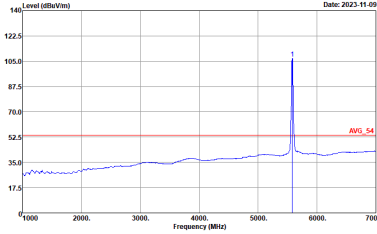


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH20-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto

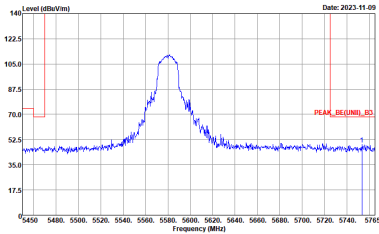


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site: 03CH20-HV Condition: : PEAK_BC(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2023-11-09	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto

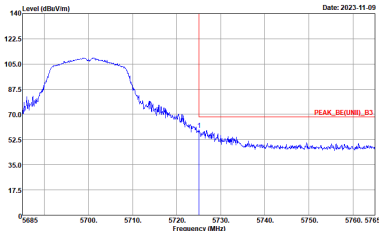
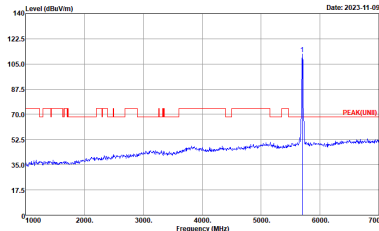
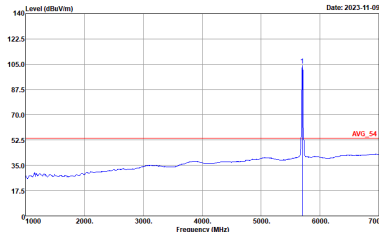


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site: 03CH20-HY Condition: :PEAK_BC(UNIT)_R3 3m 91200_1212_230323 VERTICAL :RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2023-11-09	Left blank



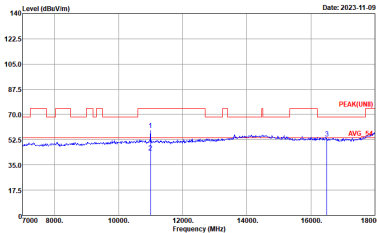
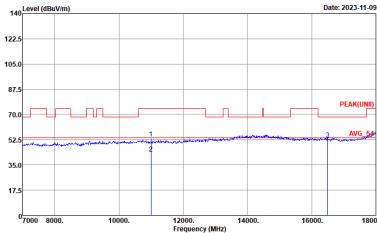
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_B(UNIT)_B3 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	 Site : 03CH20-HY Condition : PEAK_B(UNIT)_B3 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	 Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-11-10 Site : 03CH20-HY Condition : PEAK(UM) 3m 91200_1212_230323 HORIZONTAL	Level (dBuV/m) Date: 2023-11-10 Site : 03CH20-HY Condition : PEAK(UM) 3m 91200_1212_230323 VERTICAL



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.



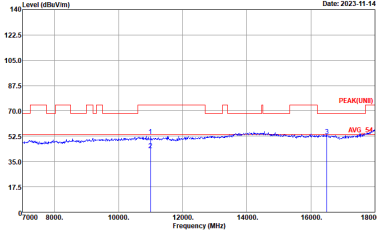
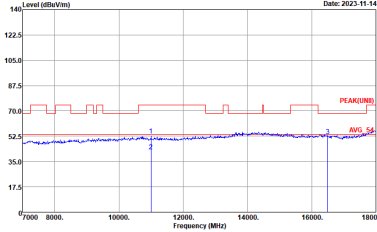
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 HORIZONTAL.	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The site is 03CH20-HY and the condition is AV6_54 3m 91200_1212_230323 VERTICAL.



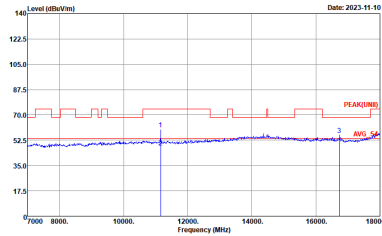
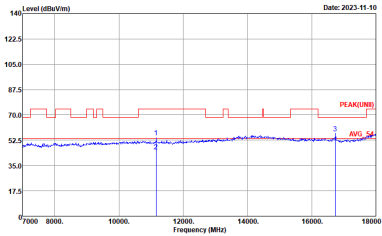
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-1FY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-1FY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a red line at approximately 52.5 dBuV/m and a blue line at approximately 35.0 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. The y-axis ranges from 0 to 140 dBuV/m. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a red line at approximately 52.5 dBuV/m and a blue line at approximately 35.0 dBuV/m. The x-axis ranges from 14470 to 14500 MHz. The y-axis ranges from 0 to 140 dBuV/m. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a red line at approximately 52.5 dBuV/m and a blue line at approximately 35.0 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. The y-axis ranges from 0 to 140 dBuV/m. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a red line at approximately 52.5 dBuV/m and a blue line at approximately 35.0 dBuV/m. The x-axis ranges from 17700 to 18000 MHz. The y-axis ranges from 0 to 140 dBuV/m. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL

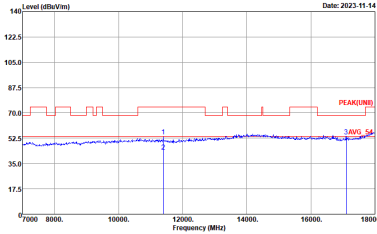
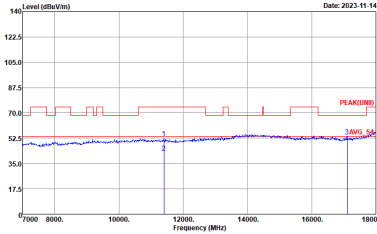


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UM) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UM) 3m 91200_1212_230323 VERTICAL



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2023-11-10 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) Date: 2023-11-10 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL
	Level (dBuV/m) Date: 2023-11-10 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) Date: 2023-11-10 Frequency (MHz) Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL



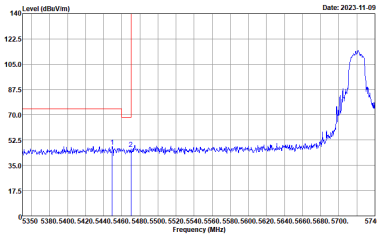
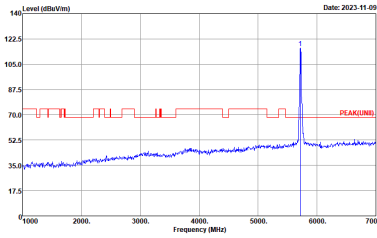
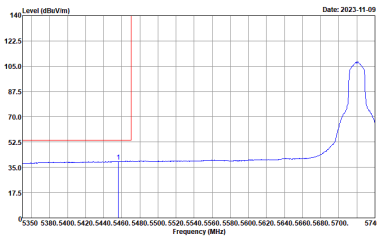
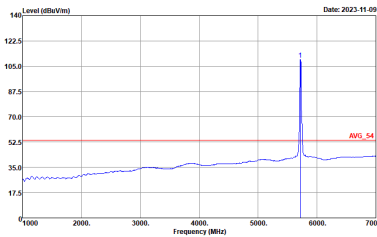
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UM) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UM) 3m 91200_1212_230323 VERTICAL



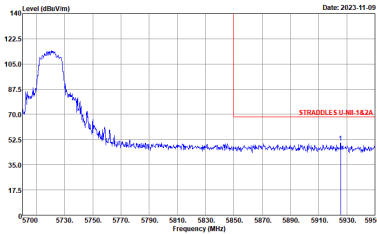
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 14470 to 14500 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a flat line at approximately 52.5 dBuV/m across the frequency range 17700 to 18000 MHz. The date is 2023-11-14. Site : 03CH20-HY Condition : AV6_54 3m 9120D_1212_230323 VERTICAL



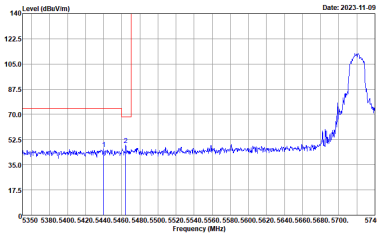
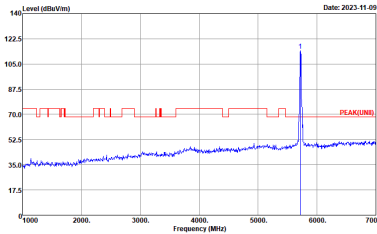
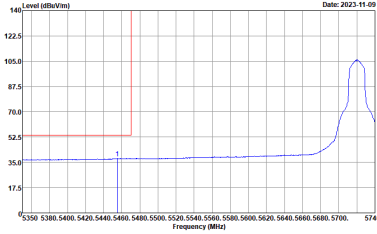
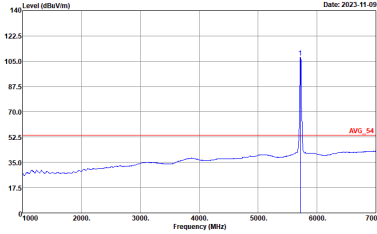
Band 3 - Straddle Channel
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal Peak. The plot shows a blue line representing the spectrum with a prominent peak at 5720 MHz. A red line indicates the noise floor. The x-axis ranges from 5350 to 5740 MHz, and the y-axis ranges from 17.5 to 140 dBuV/m. Site : 03CH20-HY Condition : STRADDLES U-NET-1A2A 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a blue line representing the spectrum with a prominent peak at 5720 MHz. A red line indicates the noise floor. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from 17.5 to 140 dBuV/m. Site : 03CH20-HY Condition : PEAK(LINE) 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal Average. The plot shows a blue line representing the spectrum with a peak at 5720 MHz. A red line indicates the noise floor. The x-axis ranges from 5350 to 5740 MHz, and the y-axis ranges from 17.5 to 140 dBuV/m. Site : 03CH20-HY Condition : U-NET-1A2A AVERAGE 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Average. The plot shows a blue line representing the spectrum with a peak at 5720 MHz. A red line indicates the noise floor. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from 17.5 to 140 dBuV/m. Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.270KHz SWT:Auto

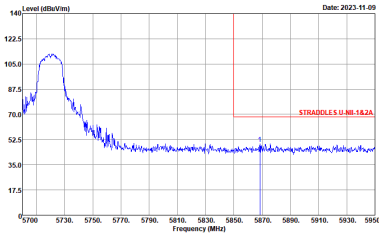


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : STRADOLE'S U-NIT 142A 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : STRADDLES U-NET-1A2A 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE1) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH20-HY Condition : U-NET-1A2A AVERAGE 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto
Avg.		



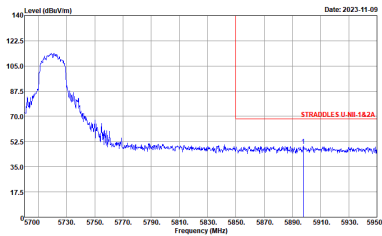
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : STRADOLE'S U-NB 142A 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



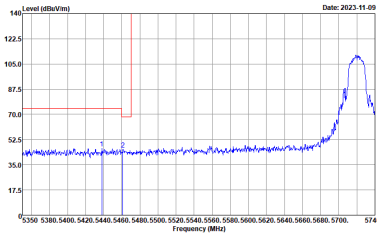
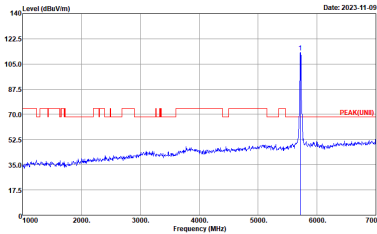
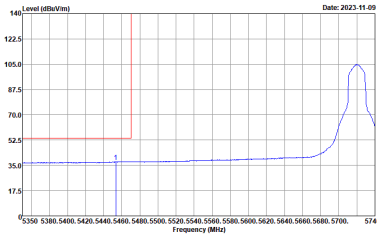
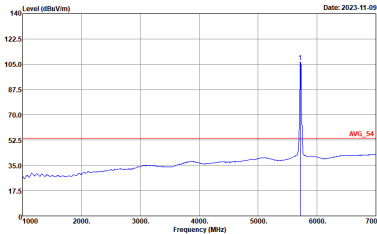
Band 3 – Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak	Level (dBm/100kHz) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a sharp peak at approximately 5720 MHz, reaching a level of about 125 dBm/100kHz. The baseline noise floor is around 35 dBm/100kHz. The x-axis ranges from 5300 to 5740 MHz, and the y-axis ranges from 17.5 to 140 dBm/100kHz. Site : 03CH20-HY Condition : STRADDLES U-NITE-142A 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBm/100kHz) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a sharp peak at approximately 5720 MHz, reaching a level of about 125 dBm/100kHz. The baseline noise floor is around 35 dBm/100kHz. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from 17.5 to 140 dBm/100kHz. Site : 03CH20-HY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Level (dBm/100kHz) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a sharp peak at approximately 5720 MHz, reaching a level of about 125 dBm/100kHz. The baseline noise floor is around 35 dBm/100kHz. The x-axis ranges from 5300 to 5740 MHz, and the y-axis ranges from 17.5 to 140 dBm/100kHz. Site : 03CH20-HY Condition : U-NITE-142A AVERAGE 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	Level (dBm/100kHz) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a sharp peak at approximately 5720 MHz, reaching a level of about 125 dBm/100kHz. The baseline noise floor is around 35 dBm/100kHz. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from 17.5 to 140 dBm/100kHz. Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto

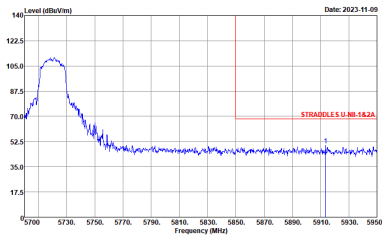


WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH20-HV Condition : STRADOLE'S U-NI 142A 3m 91200_1212_230323 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



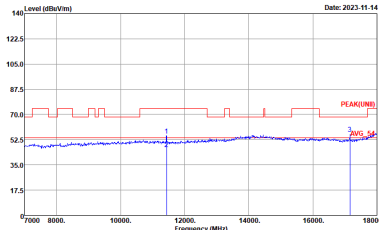
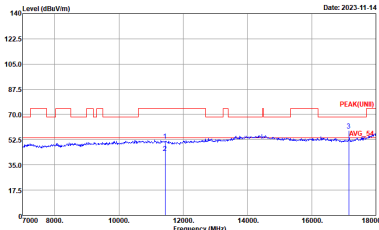
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : STRADDLES U-NIT-1A2A 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(LINE1) 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : U-NIT-1A2A AVERAGE 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto	 Site : 03CH20-HY Condition : AV6_54 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:0.270KHz SWT:Auto



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH20-HV Condition : STRADOLE'S U-NB 142A 3m 91200_1212_230323 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



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

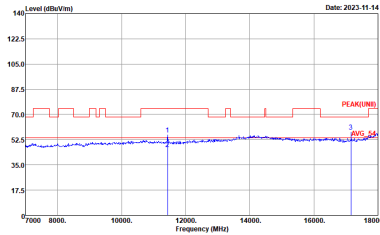
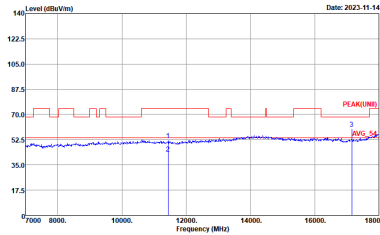
WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK(UMI) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK(UMI) 3m 91200_1212_230323 VERTICAL



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) graph. The y-axis ranges from 17.5 to 140. The x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 52.5 dBuV/m. A blue line is at approximately 35.0 dBuV/m. The date is 2023-11-14. Site : 03CH20-HY Condition : AVG_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) graph. The y-axis ranges from 17.5 to 140. The x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 52.5 dBuV/m. A blue line is at approximately 35.0 dBuV/m. The date is 2023-11-14. Site : 03CH20-HY Condition : AVG_54 3m 9120D_1212_230323 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) graph. The y-axis ranges from 17.5 to 140. The x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 52.5 dBuV/m. A blue line is at approximately 35.0 dBuV/m. The date is 2023-11-14. Site : 03CH20-HY Condition : AVG_54 3m 9120D_1212_230323 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) graph. The y-axis ranges from 17.5 to 140. The x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 52.5 dBuV/m. A blue line is at approximately 35.0 dBuV/m. The date is 2023-11-14. Site : 03CH20-HY Condition : AVG_54 3m 9120D_1212_230323 VERTICAL



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

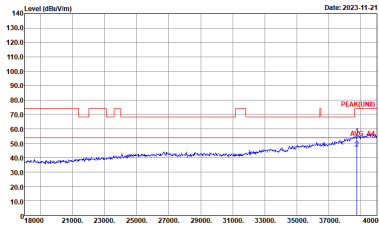
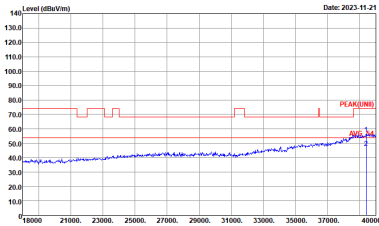
WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH420-4FY Condition : PEAK(UNIT) 3m 91200_1212_230323 HORIZONTAL	 Site : 03CH420-4FY Condition : PEAK(UNIT) 3m 91200_1212_230323 VERTICAL



WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL	Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL
	Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 HORIZONTAL	Site : 03CH20-HY Condition : AVG_54 3m 91200_1212_230323 VERTICAL

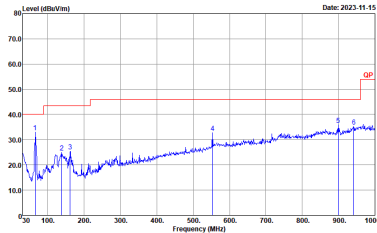
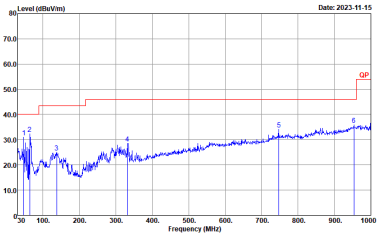


Emission above 18GHz
5GHz WIFI 802.11a (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11a SHF	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2023-11-21  Site : 03CH20-HY Condition : PEAK(UNIT) 1m SHF_1223_230710 HORIZONTAL	Level (dBuV/m) Date: 2023-11-21  Site : 03CH20-HY Condition : PEAK(UNIT) 1m SHF_1223_230710 VERTICAL



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

WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH20-HY Condition : QP 3m LF_55606_231020_200 HORIZONTAL	 Site : 03CH20-HY Condition : QP 3m LF_55606_231020_200 VERTICAL



Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1	802.11a	97.18	4140	0.24	270Hz
1	5GHz 802.11n HT20	97.99	3848	0.26	270Hz

