



FCC RADIO TEST REPORT

FCC ID : 2AVDZCM27
Equipment : IEEE 802.11 2X2 MIMO a/b/g/n/ac Wireless LAN + Bluetooth + NFC NGFF Module
Brand Name : LiveU, Inc.
Model Name : AW-CM276NF
Applicant : LiveU, Inc
2 University Plaza Drive Suite 505, Hackensack, New Jersey
Manufacturer : LiveU, Inc
5 Hagavish St, Kfar Saba 4442211, Israel
Standard : FCC Part 15 Subpart C §15.247

The product was received on Jul. 01, 2022 and testing was performed from Jul. 07, 2022 to Jul. 23, 2025. We, Sporton International (USA) Inc., 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 partial report apply exclusively to the tested model / sample. Without written approval from Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Approved by: Neil Kao

Sporton International (USA) Inc.
1175 Montague Expressway, Milpitas, CA 95035



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History of this test report

Report No.	Version	Description	Issue Date
FR220617002C	01	Initial issue of report	Aug. 20, 2025
FR220617002C	02	Revised Appendix A and Appendix C This report is an updated version, replacing the report issued on Aug. 20, 2025	Oct. 08, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(b)	Power Output Measurement	Pass	-
3.2	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	Pass	-
3.3	15.207	AC Conducted Emission	Pass	-
3.4	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/manufacturee 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: Leon Huang

Report Producer: Yuri Huang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature		
General Specs Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, and Wi-Fi 5GHz 802.11a/ac.		
Antenna Type		
WLAN		
<Ant. 1>: PCB printed antenna inverted F		
<Ant. 2>: PCB printed antenna inverted F		
Bluetooth		
<Ant. 2>: PCB printed antenna inverted F		

Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	<Ant. 1>: 2.45 <Ant.2>: -1.04

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

1.1.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;

G_k is the gain in dBi of the k th antenna.

As minimum $N_{SS}=1$ is supported by EUT, the formula can be simplified as:

Directional gain = $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

Where $G_1, G_2, \dots, G_N$ denote single antenna gain.

The directional gain "DG" is calculated as following table.

			DG	Power
			for	Limit
	Ant 1	Ant 2	Power	Reduction
	(dBi)	(dBi)	(dBi)	(dB)
2.4GHz	2.45	-1.04	2.45	0.00

Calculation example:

If a device has two antenna, $G_{ANT1} = 2.45$ dBi; $G_{ANT2} = -1.04$ dBi

Directional gain of power measurement = $\max(2.45, -1.04) + 0 = 2.45$ dBi



1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway, Milpitas, CA 95035 TEL : 408 9043300
Test Site No.	Sporton Site No. TH01-CA, 03CH02-CA, CO01-CA

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

FCC Designation No.: US 1250

1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	1	2412	7	2442
	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437		

2.2 Test Mode

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

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

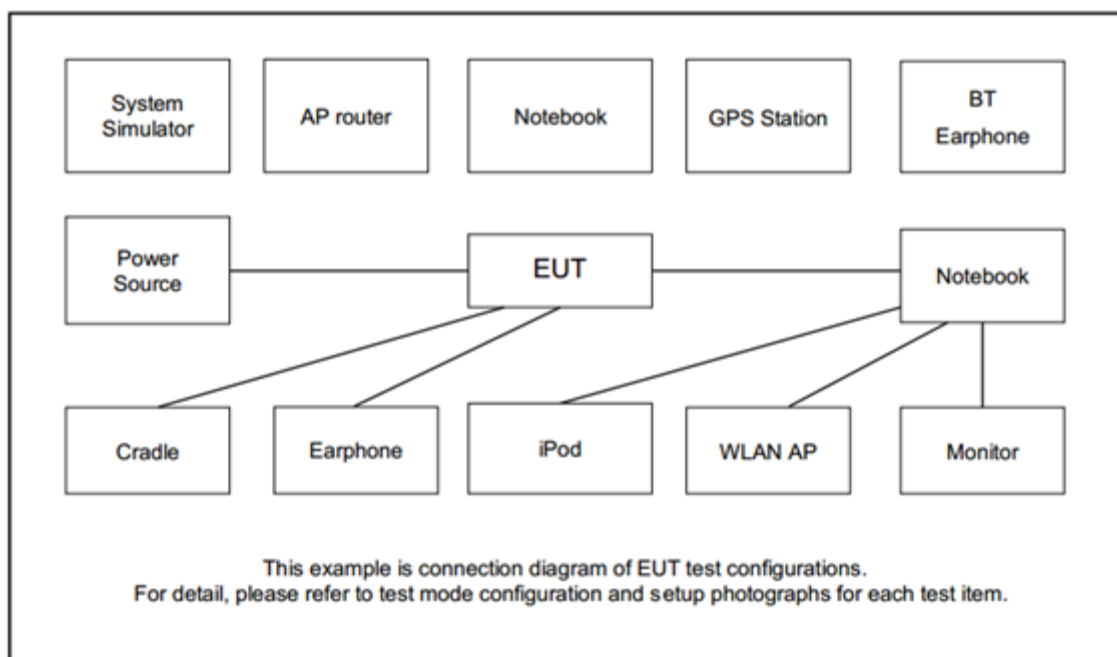
MIMO Antenna

Modulation	Data Rate
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

Test Cases	
AC Conducted Emission	Mode 1 : WLAN 2.4G TX
Remark: The detailed Radiated test modes are shown in Appendix C.	

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.	Laptop	Acer	Altos PS548-G1	N/A	N/A	N/A

Remark: Applicant has ensured support unit would not be attached with the product on the market, support unit is provided by for testing.

2.5 EUT Operation Test Setup

The RF test items, utility “PuTTY Release 0.62 & Labtool DutApiMimoBtFmBrdigeEth.exe” was installed in Laptop 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.

3 Test Result

3.1 Output Power Measurement

3.1.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5 MHz, the limit for output power is 30 dBm. If transmitting antenna with directional gain greater than 6 dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

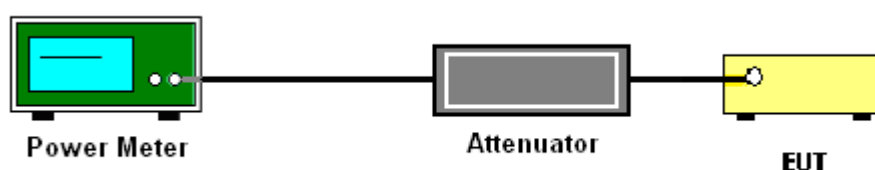
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
2. The RF output of EUT is connected to the power meter by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Measure the conducted output power and record the results in the test report.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

3.1.4 Test Setup



3.1.5 Test Result of Average Output Power

Please refer to Appendix A.

3.2 Radiated Band Edges and Spurious Emission Measurement

3.2.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device is measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. 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.
4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
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 “-”.

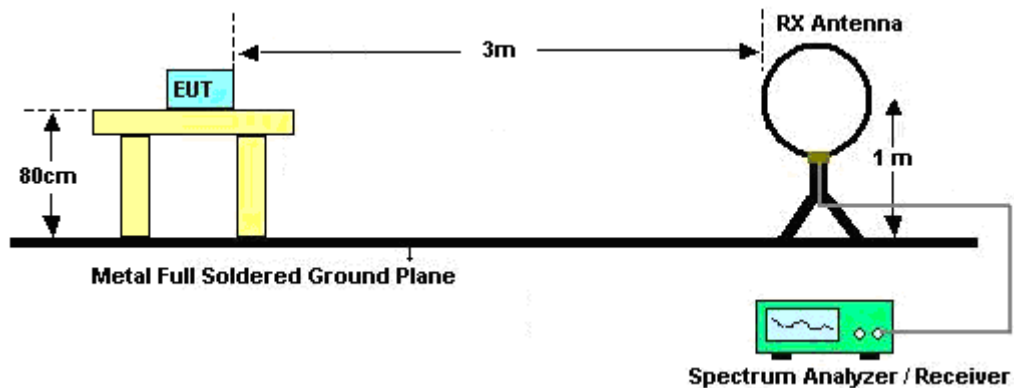
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.
8. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW = 100 kHz for $f < 1$ GHz; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW = 3 MHz for $f \geq 1$ GHz for peak measurement.

For average measurement:

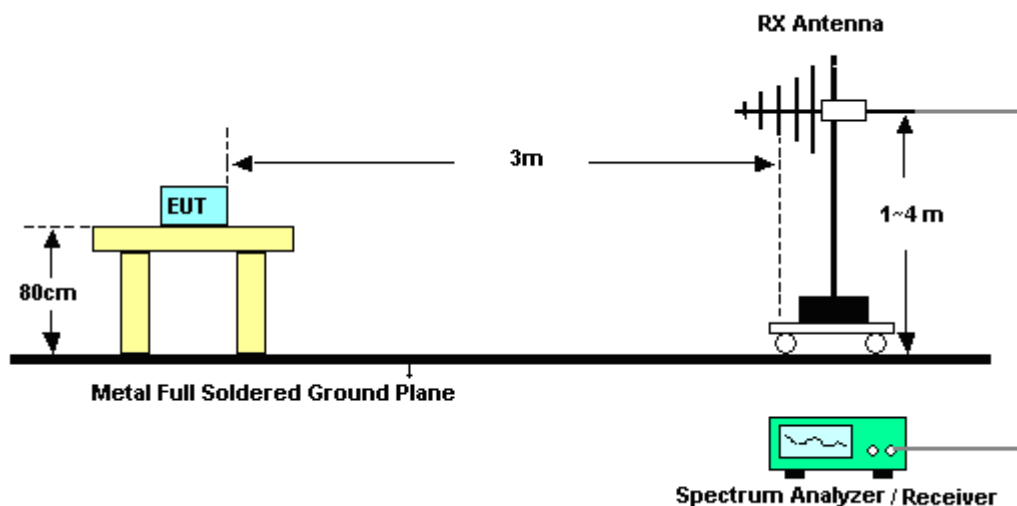
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.2.4 Test Setup

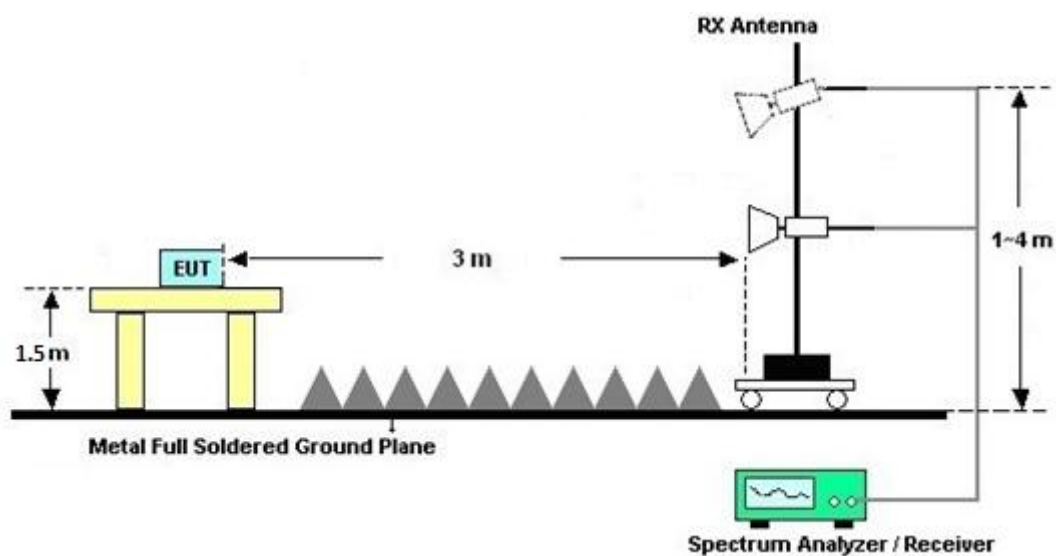
For radiated emissions below 30MHz



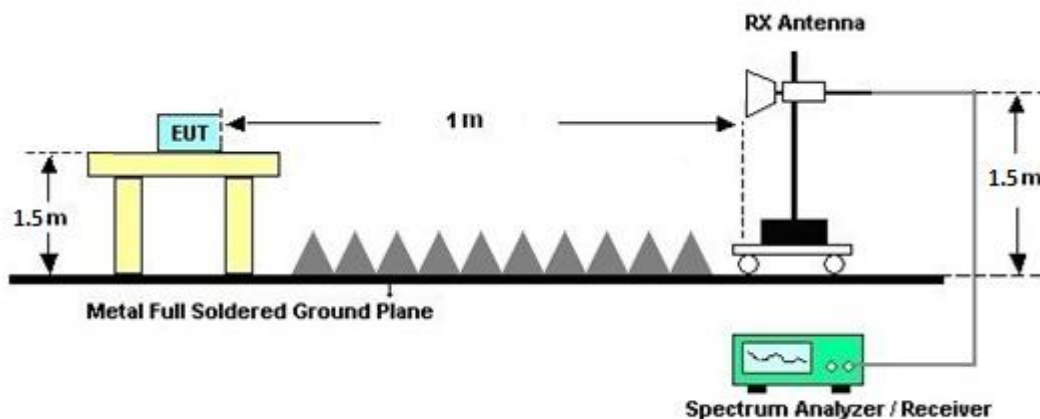
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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 comes out very similar.

3.2.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.2.7 Duty Cycle

Please refer to Appendix D.

3.2.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C.

3.3 AC Conducted Emission Measurement

3.3.1 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.

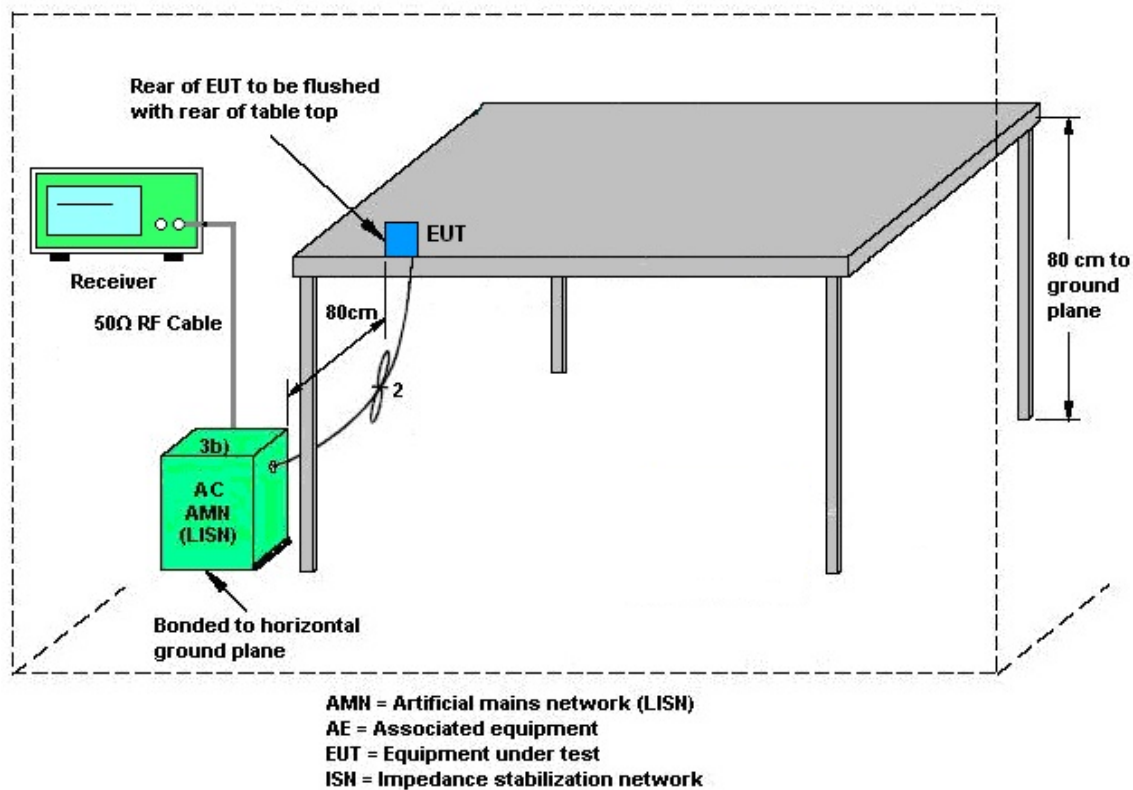
3.3.2 Measuring Instruments

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

3.3.3 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 (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.3.4 Test Setup



3.3.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.4 Antenna Requirements

3.4.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. 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 provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.4.2 Antenna Anti-Replacement Construction

Antenna permanently attached.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	6111D	50392	30MHz~1GHz	Aug.13, 2024	Jul. 16, 2025	Aug. 12, 2025	Radiation (03CH02-CA)
Bilog Antenna	TESEQ	6111D	50392	30MHz~1GHz	Sep.05, 2023	Jun. 25, 2024~ Sep. 03, 2024	Sep. 04, 2024	Radiation (03CH02-CA)
Bilog Antenna	TESEQ	6111D	50392	30MHz~1GHz	Aug.13, 2024	Sep. 04, 2024~ Oct. 02, 2024	Aug. 12, 2025	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9170D	00842	18GHz~40GHz	Aug. 19, 2024	Jul. 14, 2025~ Jul. 16, 2025	Aug. 18, 2025	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02140	1GHz~18GHz	Jan. 29, 2024	Jun. 25, 2024~ Oct. 02, 2024	Jan. 28, 2025	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	N/A	Apr.14, 2025	Jul. 16, 2025	Apr. 13, 2026	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	060726	18GHz~40GHz	Apr. 15, 2025	Jun. 14, 2025~ Jun. 16, 2025	Apr. 14, 2026	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	Apr. 24, 2024	Jun. 25, 2024~ Oct. 02, 2024	Apr. 23, 2025	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18G-56-01-A70	EC1900251	1GHz~18GHz	Apr. 24, 2024	Jun. 25, 2024~ Oct. 02, 2024	Apr. 23, 2025	Radiation (03CH02-CA)
RF Cable	HUBER+SUHNER	SUCOFLEX 102	804209/2, 802406/2, 802875/2, 802952/2	N/A	Oct. 10, 2024	Oct. 11, 2024~ Jul. 16, 2025	Oct. 09, 2025	Radiation (03CH02-CA)
RF Cable	HUBER+SUHNER	SUCOFLEX 102	804209/2, 802406/2, 802875/2, 802952/2	N/A	Oct. 13, 2023	Jun. 25, 2024~ Oct. 11, 2024	Oct. 12, 2024	Radiation (03CH02-CA)
Spectrum Analyzer	Keysight	N9010A	MY57420221	10Hz~44GHz	Aug. 14, 2024	Jun. 14, 2025~ Jun. 16, 2025	Aug. 13, 2025	Radiation (03CH02-CA)
Spectrum Analyzer	Keysight	N9010A	MY57420221	10Hz~44GHz	Aug. 30, 2023	Jun. 25, 2024~ Aug. 13, 2024	Aug. 29, 2024	Radiation (03CH02-CA)
Spectrum Analyzer	Keysight	N9010A	MY57420221	10Hz~44GHz	Aug. 14, 2024	Aug. 14, 2024~ Oct. 02, 2024	Aug. 13, 2025	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-1272-11000-40SS	SN2	1.2GHz Low Pass Filter	Jun. 03, 2025	Jul. 16, 2025	Jun. 02, 2026	Radiation (03CH02-CA)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN10	3GHz High Pass Filter	Jun. 04, 2024	Jun. 25, 2024~ Oct. 02, 2024	Jun. 03, 2025	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug. 14, 2024	Jul. 14, 2025~ Jul. 16, 2025	Aug. 13, 2025	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug. 30, 2023	Jun. 25, 2024~ Aug. 13, 2024	Aug. 29, 2024	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug. 14, 2024	Aug. 14, 2024~ Oct. 02, 2024	Aug. 13, 2025	Radiation (03CH02-CA)
Controller	ChainTek	EM-1000	060876	NA	N/A	Jun. 25, 2024~ Jul. 16, 2025	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jun. 25, 2024~ Jul. 16, 2025	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jun. 25, 2024~ Jul. 16, 2025	N/A	Radiation (03CH02-CA)
Software	Audix	E3	N/A	N/A	N/A	Jun. 25, 2024~ Jul. 16, 2025	N/A	Radiation (03CH02-CA)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LISN	TESEQ	NNB51	47415	N/A	Aug. 14,2024	Jul. 23, 2025	Aug. 13,2025	Conduction (CO01-CA)
LISN	TESEQ	NNB51	47407	N/A	Apr 15, 2025	Jul. 23, 2025	Apr. 14, 2026	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	9kHz~7GHz	Apr. 15, 2025	Jul. 23, 2025	Apr. 14, 2026	Conduction (CO01-CA)
Pulse limiter with 10dB attenuation	R&S	VTSD 9561-F N	9561-F-N00412	N/A	Jun. 03, 2025	Jul. 23, 2025	Jun. 02, 2026	Conduction (CO01-CA)
LISN Cable	HUBER+SUHNER	RG-214/U	LISN cable - 01	N/A	Jun. 03, 2025	Jul. 23, 2025	Jun. 02, 2026	Conduction (CO01-CA)
Test Software	R&S	EMC32 V10.30.0	N/A	N/A	N/A	Jul. 23, 2025	N/A	Conduction (CO01-CA)
Hygrometer	Testo	608-H1	45141354	N/A	Jul.30, 2021	Jul.07.2022-Jul.08.2022	Jul.29, 2022	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3006W	RPR6W-1901024	10MHz-8GHz	May. 10, 2022	Jul.07.2022-Jul.08.2022	May. 09, 2022	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW26	1090304	N/A	Mar. 30, 2022	Jul.07.2022-Jul.08.2022	Mar. 29, 2023	Conducted (TH01-CA)
Power meter	Anritsu	ML2495A	1804004	N/A	May. 10, 2022	Jul.07.2022-Jul.08.2022	May. 09, 2022	Conducted (TH01-CA)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.9 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.6 dB
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Report Number : FR220617002C

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Liliana Gonzalez	Temperature:	24.3~25.2	°C
Test Date:	2022/7/7	Relative Humidity:	50.3~50.8	%

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	2	1	2412	20.03	20.03	23.04	30.00		2.45		25.49		36.00		Pass
11b	1Mbps	2	6	2437	19.95	19.99	22.98	30.00		2.45		25.43		36.00		Pass
11b	1Mbps	2	11	2462	19.88	19.92	22.91	30.00		2.45		25.36		36.00		Pass
11g	6Mbps	2	1	2412	16.26	16.25	19.27	30.00		2.45		21.72		36.00		Pass
11g	6Mbps	2	6	2437	20.11	20.14	23.14	30.00		2.45		25.59		36.00		Pass
11g	6Mbps	2	11	2462	16.14	16.16	19.16	30.00		2.45		21.61		36.00		Pass
HT20	MCS0	2	1	2412	17.41	17.42	20.43	30.00		2.45		22.88		36.00		Pass
HT20	MCS0	2	6	2437	20.28	20.30	23.30	30.00		2.45		25.75		36.00		Pass
HT20	MCS0	2	11	2462	16.30	16.32	19.32	30.00		2.45		21.77		36.00		Pass
HT40	MCS0	2	3	2422	16.22	16.21	19.23	30.00		2.45		21.68		36.00		Pass
HT40	MCS0	2	6	2437	17.17	17.20	20.20	30.00		2.45		22.65		36.00		Pass
HT40	MCS0	2	9	2452	14.22	14.25	17.25	30.00		2.45		19.70		36.00		Pass

Note: Measured power (dBm) has offset with cable loss.



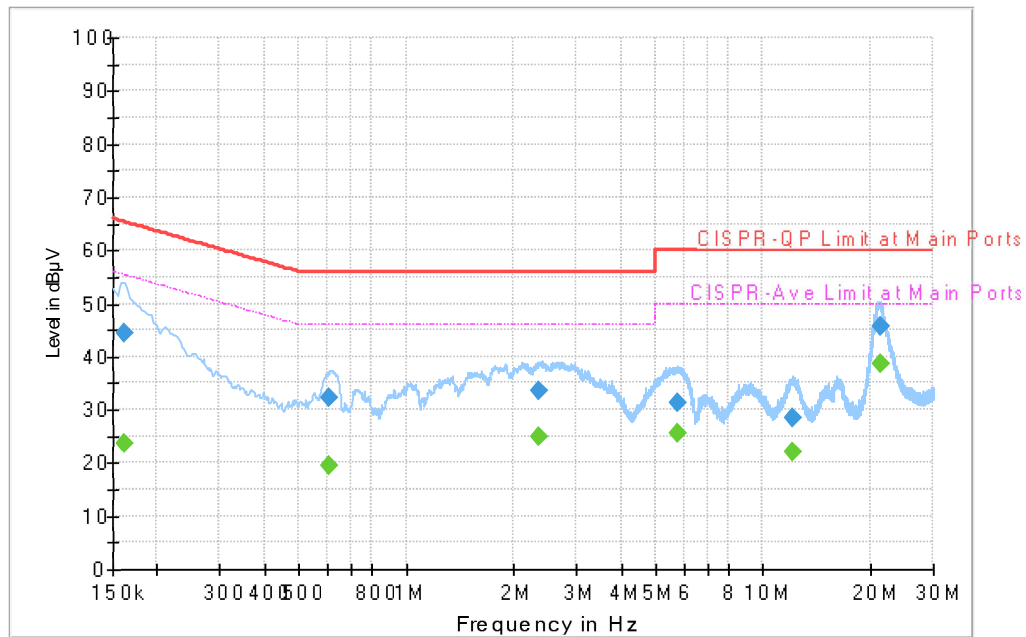
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jin Peng	Temperature :	21.2 ~ 23.1℃
		Relative Humidity :	42.1 ~ 43.9%

EUT Information

Test Site Location : CO01-CA
 Project 220617002
 Power: 120Vac/60Hz
 Mode 1
 Line

Full Spectrum



Final_Result

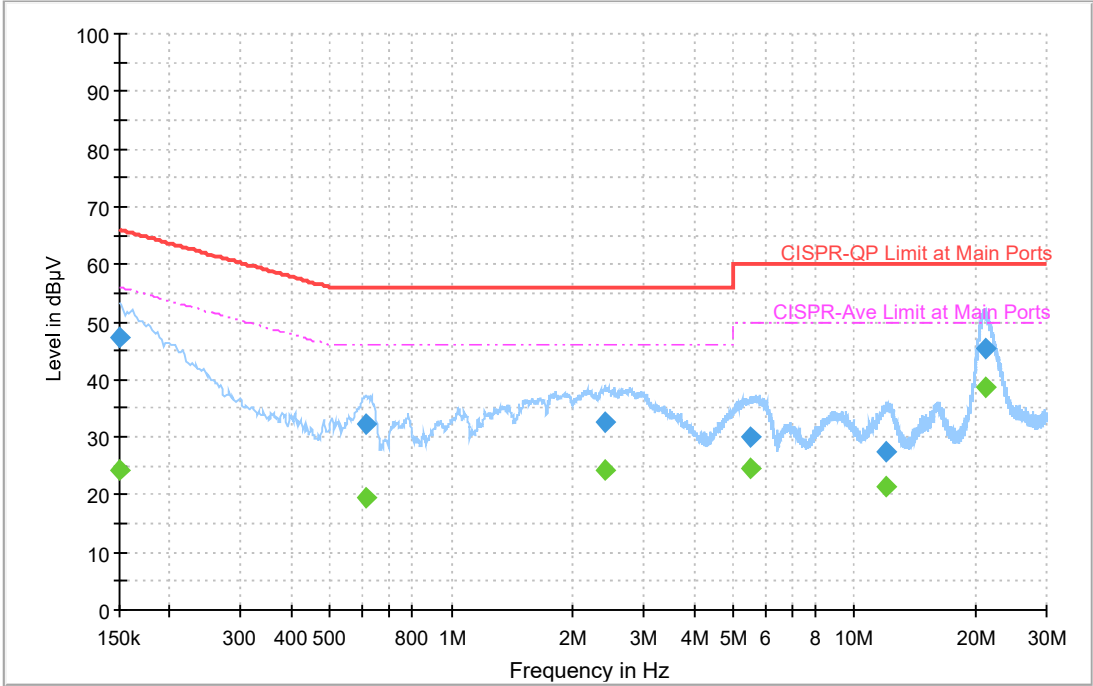
Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161745	---	23.65	55.37	31.72	L1	OFF	20.5
0.161745	44.46	---	65.37	20.91	L1	OFF	20.5
0.609450	---	19.59	46.00	26.41	L1	OFF	20.1
0.609450	32.33	---	56.00	23.67	L1	OFF	20.1
2.354937	---	24.98	46.00	21.02	L1	OFF	20.1
2.354937	33.47	---	56.00	22.53	L1	OFF	20.1
5.791119	---	25.66	50.00	24.34	L1	OFF	20.5
5.791119	31.42	---	60.00	28.58	L1	OFF	20.5
12.079914	---	22.11	50.00	27.89	L1	OFF	21.2
12.079914	28.43	---	60.00	31.57	L1	OFF	21.2
21.332436	---	38.53	50.00	11.47	L1	OFF	22.1
21.332436	45.54	---	60.00	14.46	L1	OFF	22.1

EUT Information

Test Site Location :
Project
Power:
Mode

CO01-CA
220617002
120Vac/60Hz
1
Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150050	---	24.15	56.00	31.85	N	OFF	20.5
0.150050	47.29	---	66.00	18.71	N	OFF	20.5
0.617136	---	19.54	46.00	26.46	N	OFF	20.1
0.617136	32.31	---	56.00	23.69	N	OFF	20.1
2.401179	---	24.28	46.00	21.72	N	OFF	20.1
2.401179	32.52	---	56.00	23.48	N	OFF	20.1
5.498421	---	24.48	50.00	25.52	N	OFF	20.5
5.498421	30.12	---	60.00	29.88	N	OFF	20.5
11.971446	---	21.30	50.00	28.70	N	OFF	21.2
11.971446	27.61	---	60.00	32.39	N	OFF	21.2
21.096060	---	38.78	50.00	11.22	N	OFF	22.1
21.096060	45.44	---	60.00	14.56	N	OFF	22.1



Appendix C1. Radiated Spurious Emission

Test Engineer :	Renz Roxas, Minh Nguyen, Jesse Fan, Kevin Hsu	Temperature :	15.2 ~ 25.4°C
		Relative Humidity :	35.7 ~ 50.3%

Note symbol

-L	Low channel location
-R	High channel location



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2385.285	57.26	-16.74	74	42.56	27.39	8.42	31.09	300	50	P	H
		2384.97	48.48	-5.52	54	33.78	27.39	8.42	31.09	300	50	A	H
		1608	58	-16	74	47.73	25.29	6.74	31.71	392	48	P	H
	*	2414	107.22	-	-	92.39	27.44	8.49	31.08	300	50	P	H
		1608	52.77	-1.23	54	42.5	25.29	6.74	31.71	392	48	A	H
	*	2414	104.53	-	-	89.7	27.44	8.49	31.08	300	50	A	H
		2384.55	57.82	-16.18	74	43.12	27.39	8.42	31.09	100	81	P	V
		2385.075	48.17	-5.83	54	33.47	27.39	8.42	31.09	100	81	A	V
		1608	57.98	-16.02	74	47.71	25.29	6.74	31.71	100	191	P	V
	*	2410	106.44	-	-	91.64	27.42	8.48	31.08	100	81	P	V
		1608	53.1	-0.9	54	42.83	25.29	6.74	31.71	100	191	A	V
	*	2410	103.74	-	-	88.94	27.42	8.48	31.08	100	81	A	V
802.11b CH 06 2437MHz		2349.04	56.82	-17.18	74	42.4	27.23	18.31	31.12	300	117	P	H
		2389.36	46.57	-7.43	54	31.85	27.4	18.41	31.09	300	117	A	H
	*	2437	105.8	-	-	90.82	27.53	18.53	31.08	300	117	P	H
	*	2437	103.11	-	-	88.13	27.53	18.53	31.08	300	117	A	H
		2499.28	56.94	-17.06	74	41.56	27.73	18.7	31.05	300	117	P	H
		2495.44	47.23	-6.77	54	31.87	27.72	18.69	31.05	300	117	A	H
		2374.32	56.78	-17.22	74	42.16	27.35	18.37	31.1	100	91	P	V
		2389.2	46.7	-7.3	54	31.98	27.4	18.41	31.09	100	91	A	V
	*	2437	106.39	-	-	91.41	27.53	18.53	31.08	100	91	P	V
	*	2437	103.7	-	-	88.72	27.53	18.53	31.08	100	91	A	V
		2498.48	57.28	-16.72	74	41.9	27.73	18.7	31.05	100	91	P	V
		2495.68	47.39	-6.61	54	32.02	27.73	18.69	31.05	100	91	A	V



WIFI Ant. 1+2	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)
802.11b CH 11 2462MHz		1536	57.1	-16.9	74	46.84	25.61	16.53	31.88	157	70	P	H
		1642	54.09	-19.91	74	43.83	25.15	16.76	31.65	200	245	P	H
	*	2462	107.06	-	-	91.94	27.59	18.6	31.07	300	115	P	H
		1536	52.11	-1.89	54	41.85	25.61	16.53	31.88	157	70	A	H
		1642	47.39	-6.61	54	37.13	25.15	16.76	31.65	200	245	A	H
	*	2462	104.28	-	-	89.16	27.59	18.6	31.07	300	115	A	H
		2489.24	58.01	-15.99	74	42.68	27.71	18.68	31.06	300	115	P	H
		2487.68	49.33	-4.67	54	34.01	27.71	18.67	31.06	300	115	A	H
		1536	55.21	-18.79	74	44.95	25.61	16.53	31.88	227	0	P	V
		1642	54.14	-19.86	74	43.88	25.15	16.76	31.65	100	123	P	V
	*	2462	107.71	-	-	92.59	27.59	18.6	31.07	100	78	P	V
		1536	49.39	-4.61	54	39.13	25.61	16.53	31.88	227	0	A	V
		1642	48.67	-5.33	54	38.41	25.15	16.76	31.65	100	123	A	V
	*	2462	105.01	-	-	89.89	27.59	18.6	31.07	100	78	A	V
		2488.48	58.54	-15.46	74	43.22	27.71	18.67	31.06	100	78	P	V
		2486.16	49.9	-4.1	54	34.59	27.7	18.67	31.06	100	78	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1+2	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)
802.11b CH 01 2412MHz		3210	56.25	-17.75	74	81.92	29.74	11.48	66.89	400	42	P	H
		3615	56.44	-17.56	74	82.91	29.6	11.19	67.26	209	65	P	H
		3615	50.55	-3.45	54	77.02	29.6	11.19	67.26	209	65	A	H
		4020	50	-24	74	75.21	30.86	11.44	67.51	193	337	P	H
		4020	44.8	-9.2	54	70.01	30.86	11.44	67.51	193	337	A	H
		4824	49.95	-24.05	74	72.16	32.63	12.55	67.39	293	264	P	H
		4824	46.69	-7.31	54	68.9	32.63	12.55	67.39	293	264	A	H
		7236	60.46	-13.54	74	74.88	36.89	14.88	66.19	100	307	P	H
		9648	56.61	-17.39	74	69.63	38.26	17.1	68.38	215	342	P	H
		12060	56.57	-17.43	74	65.02	39.12	19.25	66.82	100	220	P	H
		12060	51.52	-2.48	54	59.97	39.12	19.25	66.82	100	220	A	H
		16884	56.77	-17.23	74	63.45	37.8	23.29	67.77	210	209	P	H
		3210	55.96	-18.04	74	81.63	29.74	11.48	66.89	200	95	P	V
		3615	53.78	-20.22	74	80.25	29.6	11.19	67.26	100	88	P	V
		3615	47.68	-6.32	54	74.15	29.6	11.19	67.26	100	88	A	V
		4020	47.85	-26.15	74	73.06	30.86	11.44	67.51	200	34	P	V
		4020	42.25	-11.75	54	67.46	30.86	11.44	67.51	200	34	A	V
		7236	56.76	-17.24	74	71.18	36.89	14.88	66.19	100	26	P	V
		9648	54.85	-19.15	74	67.87	38.26	17.1	68.38	300	330	P	V
		12060	53.27	-20.73	74	61.72	39.12	19.25	66.82	271	0	P	V
		12060	46.58	-7.42	54	55.03	39.12	19.25	66.82	271	0	A	V
		16884	55.05	-18.95	74	61.73	37.8	23.29	67.77	300	324	P	V
													V
													V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	(dB)	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2					(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 06 2437MHz		3255	48.61	-25.39	74	74.77	29.58	11.4	67.14			P	H
		3660	51.69	-22.31	74	78.08	29.66	11.24	67.29	400	355	P	H
		3660	45.04	-8.96	54	71.43	29.66	11.24	67.29	400	355	A	H
		4874	45.73	-28.27	74	67.88	32.73	12.59	67.47			P	H
		7311	57.72	-16.28	74	72.72	36.84	14.98	66.82	314	279	P	H
		7311	53.84	-0.16	54	68.84	36.84	14.98	66.82	314	279	A	H
		9748	49.68	-24.32	74	62.57	38.13	17.2	68.22			P	H
		12185	52.84	-21.16	74	60.92	39.28	19.36	66.72	300	338	P	H
		12185	45.99	-8.01	54	54.07	39.28	19.36	66.72	300	338	A	H
													H
													H
													H
		3255	47.34	-26.66	74	73.53	29.58	11.37	67.14			P	V
		3660	43.46	-30.54	74	69.77	29.66	11.32	67.29	100	300	P	V
		3660	36.58	-17.42	54	62.89	29.66	11.32	67.29	100	300	A	V
		4874	45.55	-28.45	74	67.69	32.73	12.6	67.47			P	V
		7311	55.79	-18.21	74	70.56	36.84	15.21	66.82	400	29	P	V
		7311	51.78	-2.22	54	66.55	36.84	15.21	66.82	400	29	A	V
		9748	48.59	-25.41	74	61.35	38.13	17.33	68.22			P	V
		12185	55.99	-18.01	74	63.94	39.28	19.49	66.72	100	300	P	V
		12185	50.49	-3.51	54	58.44	39.28	19.49	66.72	100	300	A	V
													V
													V
													V



WIFI Ant. 1+2	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)
802.11b CH 11 2462MHz		3285	50.41	-23.59	74	76.22	29.61	11.35	66.77			P	H
		3690	54.51	-19.49	74	80.82	29.72	11.27	67.3	300	285	P	H
		3690	44.79	-9.21	54	71.1	29.72	11.27	67.3	300	285	A	H
		4110	46.04	-27.96	74	71.39	31	11.56	67.91			P	H
		4924	43.62	-30.38	74	65.66	32.84	12.63	67.51			P	H
		7386	57.47	-16.53	74	72.88	36.59	15.07	67.07	315	280	P	H
		7386	53.18	-0.82	54	68.59	36.59	15.07	67.07	315	280	A	H
		9848	49.4	-24.6	74	62.77	38.15	17.29	68.81	200	296	P	H
		9848	43.87	-10.13	54	57.24	38.15	17.29	68.81	200	296	A	H
		12310	55.9	-18.1	74	64.14	39.14	19.46	66.84	100	210	P	H
		12310	50.26	-3.74	54	58.5	39.14	19.46	66.84	100	210	A	H
													H
		3285	48.88	-25.12	74	74.69	29.61	11.35	66.77			P	V
		3690	51.61	-22.39	74	77.92	29.72	11.27	67.3	100	100	P	V
		3690	45.39	-8.61	54	71.7	29.72	11.27	67.3	100	100	A	V
		4095	44.61	-29.39	74	70.01	30.97	11.54	67.91			P	V
		4924	43.43	-30.57	74	65.47	32.84	12.63	67.51			P	V
		7386	54.34	-19.66	74	69.75	36.59	15.07	67.07	300	137	P	V
		7386	49.37	-4.63	54	64.78	36.59	15.07	67.07	300	137	A	V
		9848	50.76	-23.24	74	64.13	38.15	17.29	68.81	300	272	P	V
		9848	44.75	-9.25	54	58.12	38.15	17.29	68.81	300	272	A	V
		12310	54.45	-19.55	74	62.69	39.14	19.46	66.84	100	120	P	V
		12310	47.37	-6.63	54	55.61	39.14	19.46	66.84	100	120	A	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 1+2	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)
802.11g CH 01 2412MHz		2390	66.84	-7.16	74	52.12	27.4	18.41	31.09	300	112	P	H
		2389.8	49.7	-4.3	54	34.98	27.4	18.41	31.09	300	112	A	H
		1536	57.18	-16.82	74	46.92	25.61	16.53	31.88	100	66	P	H
		2412	109.08	-	-	94.27	27.43	18.46	31.08	300	112	P	H
		1536	52.08	-1.92	54	41.82	25.61	16.53	31.88	100	66	A	H
		2412	101.83	-	-	87.02	27.43	18.46	31.08	300	112	A	H
		2390	67.92	-6.08	74	53.2	27.4	18.41	31.09	115	95	P	V
		2389.8	52.1	-1.9	54	37.38	27.4	18.41	31.09	115	95	A	V
		1536	56.38	-17.62	74	46.12	25.61	16.53	31.88	287	0	P	V
		1608	54.91	-19.09	74	44.64	25.29	16.69	31.71	100	190	P	V
		2412	110.37	-	-	95.56	27.43	18.46	31.08	115	95	P	V
		1536	50.03	-3.97	54	39.77	25.61	16.53	31.88	287	0	A	V
		1608	45.79	-8.21	54	35.52	25.29	16.69	31.71	100	190	A	V
		2412	103.01	-	-	88.2	27.43	18.46	31.08	115	95	A	V



WIFI Ant. 1+2	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)
802.11g CH 06 2437MHz		2389.68	58.16	-15.84	74	43.44	27.4	18.41	31.09	200	121	P	H
		2388.88	47.09	-6.91	54	32.37	27.4	18.41	31.09	200	121	A	H
		1536	56.06	-17.94	74	45.8	25.61	16.53	31.88	400	265	P	H
		1624	58.16	-15.84	74	47.88	25.24	16.72	31.68	117	140	P	H
	*	2437	110.75	-	-	95.77	27.53	18.53	31.08	200	121	P	H
		1536	50.9	-3.1	54	40.64	25.61	16.53	31.88	400	265	A	H
		1624	48.64	-5.36	54	38.36	25.24	16.72	31.68	117	140	A	H
	*	2437	103.29	-	-	88.31	27.53	18.53	31.08	200	121	A	H
		2483.6	63.52	-10.48	74	48.22	27.7	18.66	31.06	200	121	P	H
		2484	49.55	-4.45	54	34.25	27.7	18.66	31.06	200	121	A	H
		2388.72	61.9	-12.1	74	47.18	27.4	18.41	31.09	400	282	P	H
		2390	48.25	-5.75	54	33.53	27.4	18.41	31.09	400	282	A	H
		1218	55.07	-18.93	74	46.34	25.8	15.78	32.85	124	261	P	V
		1536	55.42	-18.58	74	45.16	25.61	16.53	31.88	400	12	P	V
		1624	57.19	-16.81	74	46.91	25.24	16.72	31.68	104	124	P	V
	*	2437	113.88	-	-	98.9	27.53	18.53	31.08	400	282	P	V
		1218	48.23	-5.77	54	39.5	25.8	15.78	32.85	124	261	A	V
		1536	49.43	-4.57	54	39.17	25.61	16.53	31.88	400	12	A	V
		1624	47.92	-6.08	54	37.64	25.24	16.72	31.68	103	124	A	V
	*	2437	105.53	-	-	90.55	27.53	18.53	31.08	400	282	A	V
		2484.16	67.05	-6.95	74	51.75	27.7	18.66	31.06	400	282	P	V
		2485.52	51.04	-2.96	54	35.73	27.7	18.67	31.06	400	282	A	V



WIFI Ant. 1+2	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)
802.11g CH 11 2462MHz		1536	58	-16	74	47.74	25.61	16.53	31.88	100	4	P	H
	*	2462	109.15	-	-	94.03	27.59	18.6	31.07	300	122	P	H
		1536	52.54	-1.46	54	42.28	25.61	16.53	31.88	100	4	A	H
	*	2462	101.82	-	-	86.7	27.59	18.6	31.07	300	122	A	H
		2483.52	70	-4	74	54.7	27.7	18.66	31.06	300	122	P	H
		2483.84	48.95	-5.05	54	33.65	27.7	18.66	31.06	300	122	A	H
		1536	58.07	-15.93	74	47.81	25.61	16.53	31.88	100	153	P	V
	*	2462	109.55	-	-	94.43	27.59	18.6	31.07	100	89	P	V
		1536	51.8	-2.2	54	41.54	25.61	16.53	31.88	100	89	P	V
	*	2462	102.08	-	-	86.96	27.59	18.6	31.07	100	89	A	V
		2483.88	72.95	-1.05	74	57.65	27.7	18.66	31.06	100	89	P	V
		2483.56	49.08	-4.92	54	33.78	27.7	18.66	31.06	100	89	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 1+2	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)
802.11g CH 01 2412MHz		3210	56.95	-17.05	74	82.62	29.74	11.48	66.89	359	360	P	H
		3630	58.16	-15.84	74	84.61	29.62	11.2	67.27	200	65	P	H
		3630	49.32	-4.68	54	75.77	29.62	11.2	67.27	200	65	A	H
		4824	44.93	-29.07	74	67.14	32.63	12.55	67.39			P	H
		7236	61.08	-12.92	74	75.5	36.89	14.88	66.19	100	308	P	H
		7236	51.59	-2.41	54	66.01	36.89	14.88	66.19	100	308	A	H
		12060	54.42	-19.58	74	62.87	39.12	19.25	66.82	200	219	P	H
		12060	45.66	-8.34	54	54.11	39.12	19.25	66.82	200	219	A	H
		16884	55.35	-18.65	74	62.03	37.8	23.29	67.77	204	210	P	H
													H
													H
													H
		3210	57.32	-16.68	74	82.99	29.74	11.48	66.89	200	97	P	V
		3630	56.15	-17.85	74	82.6	29.62	11.2	67.27	100	209	P	V
		3630	47.01	-6.99	54	73.46	29.62	11.2	67.27	100	209	A	V
		4824	42.14	-31.86	74	64.35	32.63	12.55	67.39			P	V
		7236	58.65	-15.35	74	73.07	36.89	14.88	66.19	100	27	P	V
		7236	48.14	-5.86	54	62.56	36.89	14.88	66.19	100	27	A	V
		12060	54.6	-19.4	74	63.05	39.12	19.25	66.82	101	123	P	V
		12060	45.67	-8.33	54	54.12	39.12	19.25	66.82	101	123	A	V
													V
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													V
													V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	(dB)	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2					(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11g CH 06 2437MHz		3255	56.62	-17.38	74	82.78	29.58	11.4	67.14			P	H
		3660	59.29	-14.71	74	85.68	29.66	11.24	67.29	364	0	P	H
		3660	50.22	-3.78	54	76.61	29.66	11.24	67.29	364	0	A	H
		4065	49.01	-24.99	74	74.22	30.88	11.5	67.59	200	319	P	H
		4065	39.09	-14.91	54	64.3	30.88	11.5	67.59	200	319	A	H
		4874	45.08	-28.92	74	67.23	32.73	12.59	67.47			P	H
		7311	63.33	-10.67	74	78.33	36.84	14.98	66.82	300	276	P	H
		7311	53.58	-0.42	54	68.58	36.84	14.98	66.82	300	276	A	H
		9748	50.12	-23.88	74	63.01	38.13	17.2	68.22			P	H
		12185	57.83	-16.17	74	65.91	39.28	19.36	66.72	300	203	P	H
		12185	45.42	-8.58	54	53.5	39.28	19.36	66.72	300	203	A	H
													H
		3255	55.11	-18.89	74	81.27	29.58	11.4	67.14			P	V
		3660	56.33	-17.67	74	82.72	29.66	11.24	67.29	200	170	P	V
		3660	47.53	-6.47	54	73.92	29.66	11.24	67.29	200	170	A	V
		4065	47	-27	74	72.21	30.88	11.5	67.59	400	6	P	V
		4065	36.11	-17.89	54	61.32	30.88	11.5	67.59	400	6	A	V
		7311	61.85	-12.15	74	76.85	36.84	14.98	66.82	300	127	P	V
		7311	50.98	-3.02	54	65.98	36.84	14.98	66.82	300	127	A	V
		9748	48.23	-25.77	74	61.12	38.13	17.2	68.22			P	V
		12185	57.48	-16.52	74	65.56	39.28	19.36	66.72	100	131	P	V
		12185	48.31	-5.69	54	56.39	39.28	19.36	66.72	100	131	A	V
													V
													V



WIFI Ant. 1+2	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)
802.11g CH 11 2462MHz		3285	53.91	-20.09	74	79.72	29.61	11.35	66.77	400	17	P	H
		3690	55.42	-18.58	74	81.73	29.72	11.27	67.3	218	322	P	H
		3690	46.73	-7.27	54	73.04	29.72	11.27	67.3	218	322	A	H
		4920	40.63	-33.37	74	62.7	32.82	12.62	67.51			P	H
		7386	58.18	-15.82	74	73.59	36.59	15.07	67.07	311	285	P	H
		7386	48.92	-5.08	54	64.33	36.59	15.07	67.07	311	285	A	H
		12310	55.07	-18.93	74	63.31	39.14	19.46	66.84	300	217	P	H
		12310	43.66	-10.34	54	51.9	39.14	19.46	66.84	300	217	A	H
													H
													H
													H
													H
		3285	53.7	-20.3	74	79.51	29.61	11.35	66.77	200	97	P	V
		3705	53	-21	74	79.27	29.76	11.28	67.31	100	94	P	V
		3705	45.92	-8.08	54	72.19	29.76	11.28	67.31	100	94	A	V
		4920	40.65	-33.35	74	62.72	32.82	12.62	67.51			P	V
		7386	56.81	-17.19	74	72.22	36.59	15.07	67.07	300	135	P	V
		7386	46.29	-7.71	54	61.7	36.59	15.07	67.07	300	135	A	V
		12310	56.02	-17.98	74	64.26	39.14	19.46	66.84	100	303	P	V
		12310	46.06	-7.94	54	54.3	39.14	19.46	66.84	100	303	A	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												

**2.4GHz 2400~2483.5MHz****WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 01 2412MHz		2389.485	70.47	-3.53	74	55.75	27.4	18.41	31.09	100	125	P	H
		2389.38	51.89	-2.11	54	37.17	27.4	18.41	31.09	100	125	A	H
		1534	58.45	-15.55	74	48.2	25.61	16.52	31.88	110	5	P	H
	*	2412	110.38	-	-	95.57	27.43	18.46	31.08	100	125	P	H
		1536	53.25	-0.75	54	42.99	25.61	16.53	31.88	110	5	A	H
	*	2412	103.07	-	-	88.26	27.43	18.46	31.08	100	125	A	H
		2389.59	67.24	-6.76	74	52.52	27.4	18.41	31.09	300	9	P	V
		2389.8	49.76	-4.24	54	35.04	27.4	18.41	31.09	300	9	A	V
		1536	57.52	-16.48	74	47.26	25.61	16.53	31.88	100	152	P	V
	*	2412	109	-	-	94.19	27.43	18.46	31.08	300	9	P	V
		1534	52.64	-1.36	54	42.39	25.61	16.52	31.88	100	152	P	V
	*	2412	100.43	-	-	85.62	27.43	18.46	31.08	300	9	A	V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	(dB)	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2					(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 06 2437MHz		2389.36	60.17	-13.83	74	45.45	27.4	18.41	31.09	300	119	P	H
		2388.88	47.41	-6.59	54	32.69	27.4	18.41	31.09	300	119	A	H
		1536	54.37	-19.63	74	44.11	25.61	16.53	31.88	203	323	P	H
		1624	55.59	-18.41	74	45.31	25.24	16.72	31.68	233	168	P	H
	*	2434	112.06	-	-	97.11	27.51	18.52	31.08	300	119	P	H
		1536	48.24	-5.76	54	37.98	25.61	16.53	31.88	202	323	A	H
		1624	46.68	-7.32	54	36.4	25.24	16.72	31.68	233	168	A	H
	*	2434	104.67	-	-	89.72	27.51	18.52	31.08	300	119	A	H
		2483.68	65.68	-8.32	74	50.38	27.7	18.66	31.06	300	119	P	H
		2484.48	49.74	-4.26	54	34.44	27.7	18.66	31.06	300	119	A	H
		2388.88	60.45	-13.55	74	45.73	27.4	18.41	31.09	107	101	P	V
		2390	47.51	-6.49	54	32.79	27.4	18.41	31.09	107	101	A	V
		1534	55.71	-18.29	74	45.46	25.61	16.52	31.88	312	251	P	V
		1624	53.33	-20.67	74	43.05	25.24	16.72	31.68	400	87	P	V
	*	2437	112.74	-	-	97.76	27.53	18.53	31.08	107	101	P	V
		1536	51.54	-2.46	54	41.28	25.61	16.53	31.88	312	251	A	V
		1624	44.49	-9.51	54	34.21	25.24	16.72	31.68	400	87	A	V
	*	2437	105.37	-	-	90.39	27.53	18.53	31.08	107	101	A	V
		2494.4	65.4	-8.6	74	50.04	27.72	18.69	31.05	107	101	P	V
		2484.88	49.62	-4.38	54	34.32	27.7	18.66	31.06	107	101	A	V



WIFI Ant. 1+2	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 11 2462MHz		1535	54.03	-19.97	74	43.77	25.61	16.53	31.88	300	349	P	H
	*	2462	106.79	-	-	91.67	27.59	18.6	31.07	100	137	P	H
		1536	51.88	-2.12	54	41.62	25.61	16.53	31.88	300	349	P	H
	*	2462	99.29	-	-	84.17	27.59	18.6	31.07	100	137	A	H
		2483.52	67.51	-6.49	74	52.21	27.7	18.66	31.06	100	137	P	H
		2483.6	49.36	-4.64	54	34.06	27.7	18.66	31.06	100	137	A	H
		1534	55.99	-18.01	74	45.74	25.61	16.52	31.88	314	247	P	V
	*	2462	110.19	-	-	95.07	27.59	18.6	31.07	100	99	P	V
		1536	51.83	-2.17	54	41.57	25.61	16.53	31.88	314	247	A	V
	*	2462	103.03	-	-	87.91	27.59	18.6	31.07	100	99	A	V
		2483.52	70.98	-3.02	74	55.68	27.7	18.66	31.06	100	99	P	V
		2484.16	53.79	-0.21	54	38.49	27.7	18.66	31.06	100	99	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	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 01 2412MHz		3210	56.74	-17.26	74	82.41	29.74	11.48	66.89	357	0	P	H
		3630	56.94	-17.06	74	83.39	29.62	11.2	67.27	100	127	P	H
		3630	48.68	-5.32	54	75.13	29.62	11.2	67.27	100	127	A	H
		4824	44.99	-29.01	74	67.2	32.63	12.55	67.39			P	H
		7232	59.94	-14.06	74	74.34	36.88	14.88	66.16	100	307	P	H
		12060	54.1	-19.9	74	62.55	39.12	19.25	66.82	197	221	P	H
		12060	45.1	-8.9	54	53.55	39.12	19.25	66.82	197	221	A	H
		3210	55.88	-18.12	74	81.55	29.74	11.48	66.89	202	86	P	V
		3630	55.94	-18.06	74	82.39	29.62	11.2	67.27	230	149	P	V
		3630	48.09	-5.91	54	74.54	29.62	11.2	67.27	230	149	A	V
		4824	41.93	-32.07	74	64.14	32.63	12.55	67.39			P	V
		7232	55.62	-18.38	74	70.02	36.88	14.88	66.16	100	28	P	V
		12060	53.43	-20.57	74	61.88	39.12	19.25	66.82	100	124	P	V
		12060	44.2	-9.8	54	52.65	39.12	19.25	66.82	100	124	A	V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	(dB)	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2					(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 06 2437MHz		3255	54.88	-19.12	74	81.04	29.58	11.4	67.14			P	H
		3660	59.6	-14.4	74	85.99	29.66	11.24	67.29	270	313	P	H
		3660	50.68	-3.32	54	77.07	29.66	11.24	67.29	270	313	A	H
		4065	48.38	-25.62	74	73.59	30.88	11.5	67.59	190	329	P	H
		4065	37.21	-16.79	54	62.42	30.88	11.5	67.59	190	329	A	H
		4874	45.33	-28.67	74	67.48	32.73	12.59	67.47	300	298	P	H
		4874	35.95	-18.05	54	58.1	32.73	12.59	67.47	300	298	A	H
		7311	64.55	-9.45	74	79.55	36.84	14.98	66.82	330	280	P	H
		7311	53.89	-0.11	54	68.89	36.84	14.98	66.82	330	280	A	H
		9748	50.22	-23.78	74	63.11	38.13	17.2	68.22			P	H
		12185	57.89	-16.11	74	65.97	39.28	19.36	66.72	210	221	P	H
		12185	47.66	-6.34	54	55.74	39.28	19.36	66.72	210	221	A	H
		3255	50.58	-23.42	74	76.74	29.58	11.4	67.14			P	V
		3660	57.07	-16.93	74	83.46	29.66	11.24	67.29	100	242	P	V
		3660	47.15	-6.85	54	73.54	29.66	11.24	67.29	100	242	A	V
		4874	41.08	-32.92	74	63.23	32.73	12.59	67.47	400	352	P	V
		4874	32.24	-21.76	54	54.39	32.73	12.59	67.47	400	352	A	V
		7311	59.71	-14.29	74	74.71	36.84	14.98	66.82	300	138	P	V
		7311	50.16	-3.84	54	65.16	36.84	14.98	66.82	300	138	A	V
		9748	47.69	-26.31	74	60.58	38.13	17.2	68.22			P	V
		12185	57.52	-16.48	74	65.6	39.28	19.36	66.72	100	237	P	V
		12185	47.72	-6.28	54	55.8	39.28	19.36	66.72	100	237	A	V



WIFI Ant. 1+2	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 11 2462MHz		3285	53.06	-20.94	74	78.87	29.61	11.35	66.77	331	125	P	H
		3690	57.48	-16.52	74	83.79	29.72	11.27	67.3	222	319	P	H
		3690	48.27	-5.73	54	74.58	29.72	11.27	67.3	222	319	A	H
		4095	47.93	-26.07	74	73.33	30.97	11.54	67.91	198	341	P	H
		4095	37.78	-16.22	54	63.18	30.97	11.54	67.91	198	341	A	H
		4924	41.66	-32.34	74	63.7	32.84	12.63	67.51			P	H
		7386	58.76	-15.24	74	74.17	36.59	15.07	67.07	100	297	P	H
		7386	49.27	-4.73	54	64.68	36.59	15.07	67.07	100	297	A	H
		12310	55.15	-18.85	74	63.39	39.14	19.46	66.84	225	219	P	H
		12310	44.97	-9.03	54	53.21	39.14	19.46	66.84	225	219	A	H
		3285	51.13	-22.87	74	76.94	29.61	11.35	66.77	215	59	P	V
		3690	54.33	-19.67	74	80.64	29.72	11.27	67.3	246	147	P	V
		3690	46.56	-7.44	54	72.87	29.72	11.27	67.3	246	147	A	V
		4110	45.48	-28.52	74	70.83	31	11.56	67.91	382	350	P	V
		4110	34.44	-19.56	54	59.79	31	11.56	67.91	382	350	A	V
		4924	40.33	-33.67	74	62.37	32.84	12.63	67.51			P	V
		7386	56.4	-17.6	74	71.81	36.59	15.07	67.07	308	148	P	V
		7386	47.21	-6.79	54	62.62	36.59	15.07	67.07	308	148	A	V
		12310	56.84	-17.16	74	65.08	39.14	19.46	66.84	100	301	P	V
		12310	47.13	-6.87	54	55.37	39.14	19.46	66.84	100	301	A	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												

**2.4GHz 2400~2483.5MHz****WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		2389.68	65.45	-8.55	74	50.73	27.4	18.41	31.09	120	163	P	H
		2390	53.86	-0.14	54	39.14	27.4	18.41	31.09	120	163	A	H
		1536	55.09	-18.91	74	44.83	25.61	16.53	31.88	212	303	P	H
	*	2422	103.56	-	-	88.67	27.48	18.49	31.08	120	163	P	H
		1536	48.93	-5.07	54	38.67	25.61	16.53	31.88	212	303	P	H
	*	2422	96.22	-	-	81.33	27.48	18.49	31.08	120	163	A	H
		2494.24	56.43	-17.57	74	41.07	27.72	18.69	31.05	120	163	P	H
		2495.92	46.92	-7.08	54	31.55	27.73	18.69	31.05	120	163	A	H
		2388.72	64.68	-9.32	74	49.96	27.4	18.41	31.09	100	92	P	V
		2387.28	53.02	-0.98	54	38.32	27.39	18.4	31.09	100	92	A	V
		1536	56.74	-17.26	74	46.48	25.61	16.53	31.88	317	253	P	V
	*	2422	104.87	-	-	89.98	27.48	18.49	31.08	100	92	P	V
		1536	51.89	-2.11	54	41.63	25.61	16.53	31.88	317	253	A	V
	*	2422	97.71	-	-	82.82	27.48	18.49	31.08	100	92	A	V
		2485.92	60.08	-13.92	74	44.77	27.7	18.67	31.06	100	92	P	V
		2490.48	48.86	-5.14	54	33.53	27.71	18.68	31.06	100	92	A	V



802.11n HT40 CH 06 2437MHz		2389.68	66.07	-7.93	74	51.35	27.4	18.41	31.09	300	120	P	H
		2386.96	50.75	-3.25	54	36.05	27.39	18.4	31.09	300	120	A	H
		1536	54.54	-19.46	74	44.28	25.61	16.53	31.88	200	303	P	H
	*	2437	107.06	-	-	92.08	27.53	18.53	31.08	300	120	P	H
		1536	47.67	-6.33	54	37.41	25.61	16.53	31.88	200	303	A	H
	*	2437	99.46	-	-	84.48	27.53	18.53	31.08	300	120	A	H
		2489.2	67.97	-6.03	74	52.64	27.71	18.68	31.06	300	120	P	H
		2483.84	52.1	-1.9	54	36.8	27.7	18.66	31.06	300	120	A	H
		2389.04	66.09	-7.91	74	51.37	27.4	18.41	31.09	100	88	P	V
		2389.36	50.78	-3.22	54	36.06	27.4	18.41	31.09	100	88	A	V
		1536	56.6	-17.4	74	46.34	25.61	16.53	31.88	312	253	P	V
	*	2437	107.12	-	-	92.14	27.53	18.53	31.08	100	88	P	V
		1536	51.85	-2.15	54	41.59	25.61	16.53	31.88	312	253	A	V
	*	2437	99.33	-	-	84.35	27.53	18.53	31.08	100	88	A	V
		2484.56	69.37	-4.63	74	54.07	27.7	18.66	31.06	100	88	P	V
		2484.32	52.59	-1.41	54	37.29	27.7	18.66	31.06	100	88	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 09 2452MHz		2382.64	57.14	-16.86	74	42.45	27.39	18.39	31.09	100	56	P	H
		2377.36	47.25	-6.75	54	32.6	27.37	18.38	31.1	100	56	A	H
	*	2456	107.01	-	-	91.92	27.58	18.59	31.08	100	56	P	H
	*	2456	99.07	-	-	83.98	27.58	18.59	31.08	100	56	A	H
		2483.62	69.03	-4.97	74	53.73	27.7	18.66	31.06	100	56	P	H
		2485.93	53.27	-0.73	54	37.96	27.7	18.67	31.06	100	56	A	H
		2388.4	56.78	-17.22	74	42.08	27.39	18.4	31.09	102	86	P	V
		2378	46.95	-7.05	54	32.29	27.38	18.38	31.1	102	86	A	V
	*	2456	105.52	-	-	90.55	27.52	18.53	31.08	102	86	P	V
	*	2456	97.93	-	-	82.75	27.63	18.62	31.07	102	86	A	V
		2485.3	67.36	-6.64	74	52.05	27.7	18.67	31.06	102	86	P	V
		2486.84	52.48	-1.52	54	37.16	27.71	18.67	31.06	102	86	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		3225	49.26	-24.74	74	75.12	29.68	11.46	67	225	165	P	H
		3645	54.83	-19.17	74	81.26	29.64	11.22	67.29	242	319	P	H
		3645	46.01	-7.99	54	72.44	29.64	11.22	67.29	242	319	A	H
		4844	42.04	-31.96	74	64.2	32.71	12.57	67.44			P	H
		7266	52.95	-21.05	74	67.56	36.9	14.92	66.43	105	311	P	H
		7266	43.35	-10.65	54	57.96	36.9	14.92	66.43	105	311	A	H
		3225	48.48	-25.52	74	74.34	29.68	11.46	67	149	312	P	V
		3645	52.19	-21.81	74	78.62	29.64	11.22	67.29	100	211	P	V
		3645	43.66	-10.34	54	70.09	29.64	11.22	67.29	100	211	A	V
		4844	42.36	-31.64	74	64.52	32.71	12.57	67.44			P	V
		7266	51.49	-22.51	74	66.1	36.9	14.92	66.43	328	136	P	V
		7266	43.02	-10.98	54	57.63	36.9	14.92	66.43	328	136	A	V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	(dB)	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2					(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 06 2437MHz		3255	51.69	-22.31	74	77.85	29.58	11.4	67.14	166	174	P	H
		3660	56.75	-17.25	74	83.14	29.66	11.24	67.29	204	66	P	H
		3660	47.65	-6.35	54	74.04	29.66	11.24	67.29	204	66	A	H
		4874	41.12	-32.88	74	63.27	32.73	12.59	67.47			P	H
		7311	57.21	-16.79	74	72.21	36.84	14.98	66.82	100	306	P	H
		7311	48.37	-5.63	54	63.37	36.84	14.98	66.82	100	306	A	H
		12185	52.44	-21.56	74	60.52	39.28	19.36	66.72	253	129	P	H
		12185	43.61	-10.39	54	51.69	39.28	19.36	66.72	253	129	A	H
													H
													H
													H
													H
		3255	50.06	-23.94	74	76.22	29.58	11.4	67.14	310	189	P	V
		3675	54.28	-19.72	74	80.63	29.69	11.25	67.29	290	89	P	V
		3675	43.16	-10.84	54	69.51	29.69	11.25	67.29	290	89	A	V
		4874	41.26	-32.74	74	63.41	32.73	12.59	67.47			P	V
		7311	53.61	-20.39	74	68.61	36.84	14.98	66.82	100	24	P	V
		7311	45.56	-8.44	54	60.56	36.84	14.98	66.82	100	24	A	V
		12185	52.44	-21.56	74	60.52	39.28	19.36	66.72	111	119	P	V
		12185	43.3	-10.7	54	51.38	39.28	19.36	66.72	111	119	A	V
													V
													V
													V
													V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 09 2452MHz		3270	49.37	-24.63	74	75.36	29.6	11.37	66.96	195	65	P	H	
		3690	55.64	-18.36	74	81.95	29.72	11.27	67.3	228	64	P	H	
		3690	46.19	-7.81	54	72.5	29.72	11.27	67.3	228	64	A	H	
		4904	41.66	-32.34	74	63.8	32.74	12.61	67.49			P	H	
		7356	55.24	-18.76	74	70.71	36.64	15.04	67.15	100	295	P	H	
		7356	45.1	-8.9	54	60.57	36.64	15.04	67.15	100	295	A	H	
		12260	52.51	-21.49	74	60.65	39.22	19.42	66.78	100	324	P	H	
		12260	43.4	-10.6	54	51.54	39.22	19.42	66.78	100	324	A	H	
														H
														H
														H
														H
		3270	46.89	-27.11	74	72.88	29.6	11.37	66.96	210	165	P	V	
		3690	52.91	-21.09	74	79.22	29.72	11.27	67.3	219	175	P	V	
		3690	43.97	-10.03	54	70.28	29.72	11.27	67.3	219	175	A	V	
		4904	41.03	-32.97	74	63.17	32.74	12.61	67.49			P	V	
		7356	52.17	-21.83	74	67.64	36.64	15.04	67.15	388	46	P	V	
		7356	43.27	-10.73	54	58.74	36.64	15.04	67.15	388	46	A	V	
		12260	52.44	-21.56	74	60.58	39.22	19.42	66.78	100	315	P	V	
		12260	43.65	-10.35	54	51.79	39.22	19.42	66.78	100	315	A	V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



2.4GHz WIFI 802.11n HT20 (SHF)

[illegible]



2.4GHz WIFI 802.11n HT20 (LF)

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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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)

2. Level(dBμV/m) =

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

3. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

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 @ 2390MHz:

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)

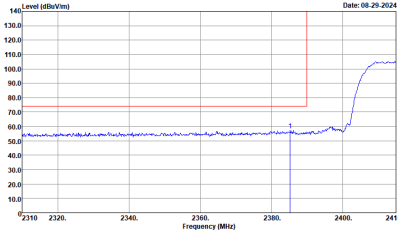
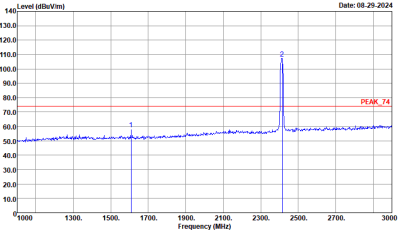
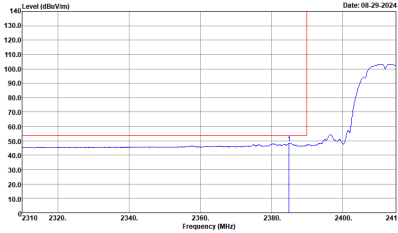
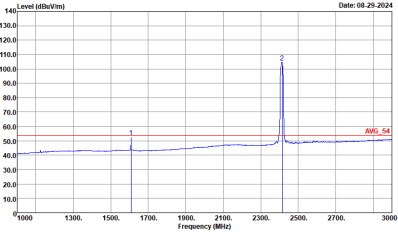
Both peak and average measured complies with the limit line, so test result is “PASS”.



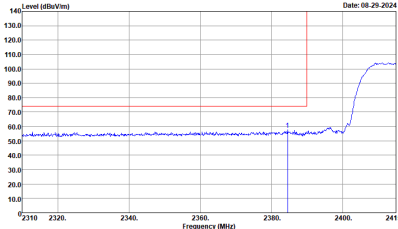
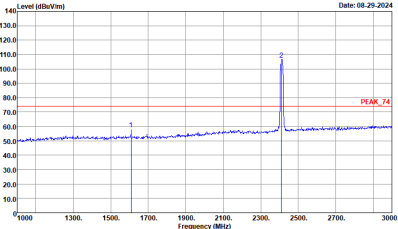
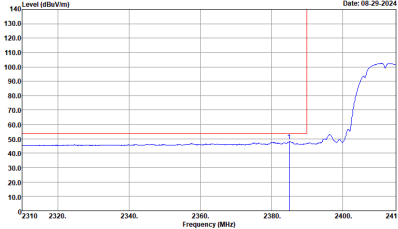
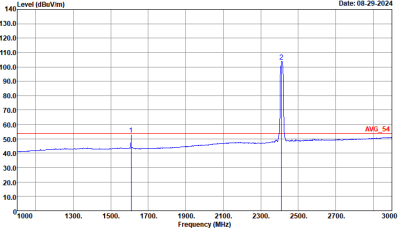
Appendix C2. Radiated Spurious Emission Plots

2.4GHz 2400~2483.5MHz

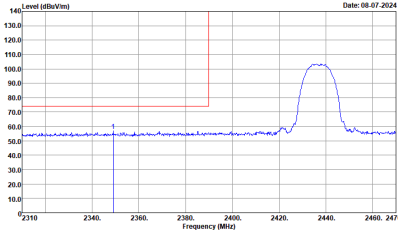
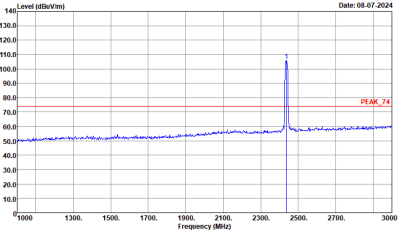
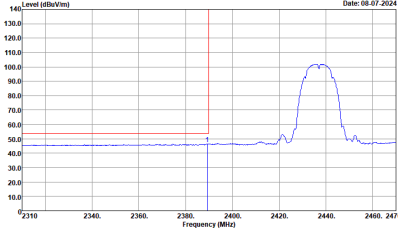
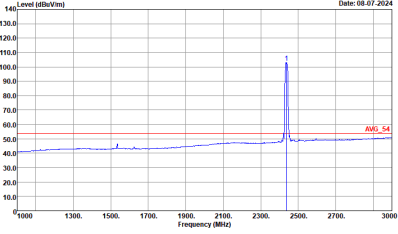
WIFI 802.11b (Band Edge @ 3m)

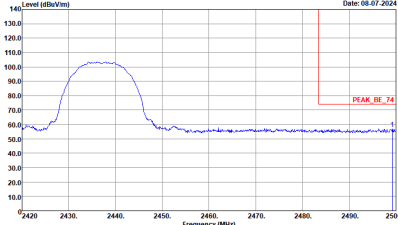
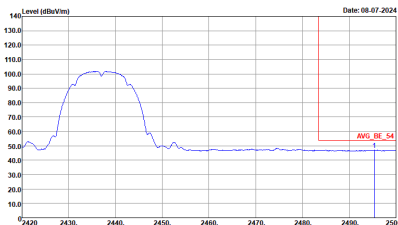
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto Detector : Peak Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto Detector : Peak Plane : Z Setting : 15.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto Detector : Peak Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto Detector : Peak Plane : Z Setting : 15.5

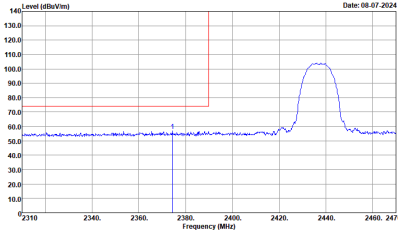
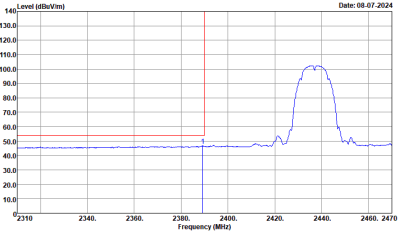
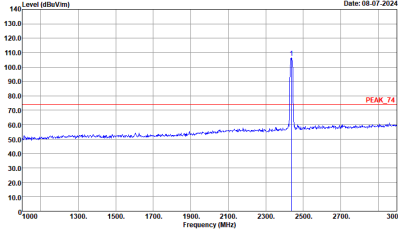
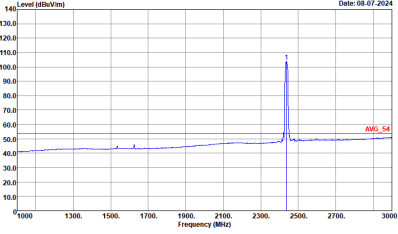


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 15.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 15.5

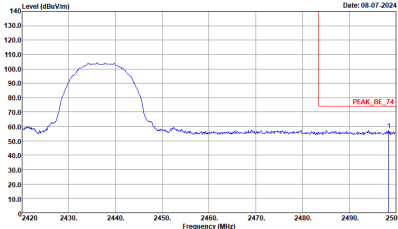
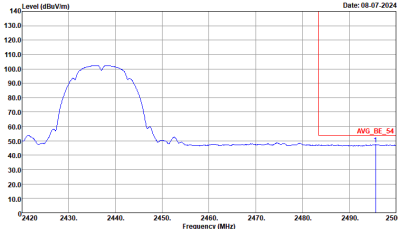


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto Power : Peak Plane : AVR Power 120Vac/60Hz Setting : Z Setting : 13	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto Power : Peak Plane : AVR Power 120Vac/60Hz Setting : Z Setting : 13
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : RBW:1000.000kHz VBW:1.000kHz SMT:Auto Power : Peak Plane : AVR Power 120Vac/60Hz Setting : Z Setting : 13	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : RBW:1000.000kHz VBW:1.000kHz SMT:Auto Power : Peak Plane : AVR Power 120Vac/60Hz Setting : Z Setting : 13

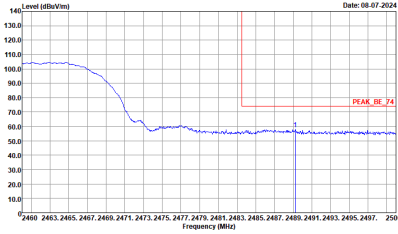
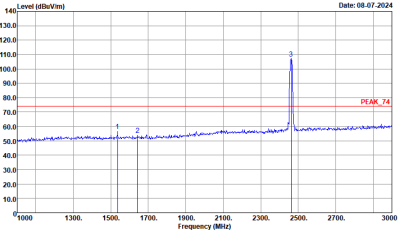
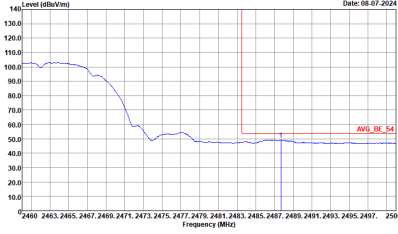
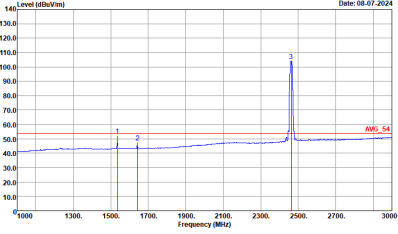
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13
Avg.	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13

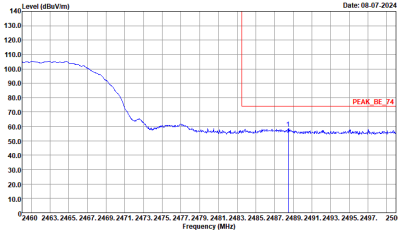
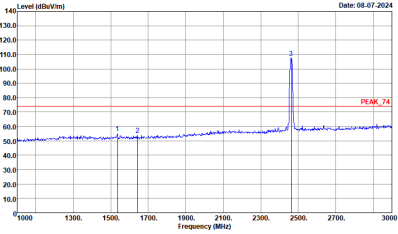
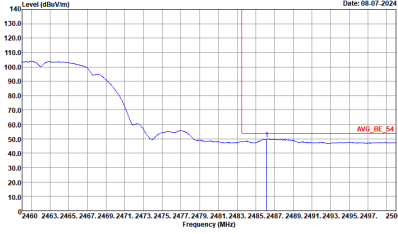
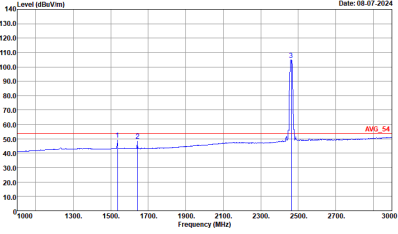


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13	Left blank



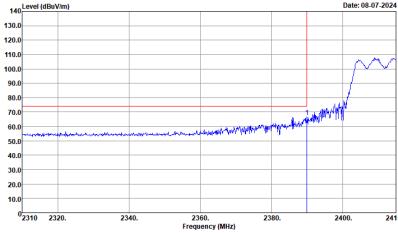
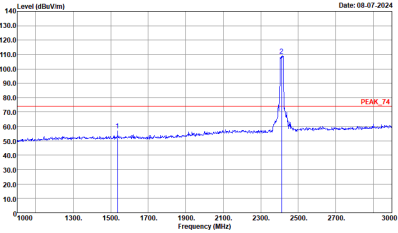
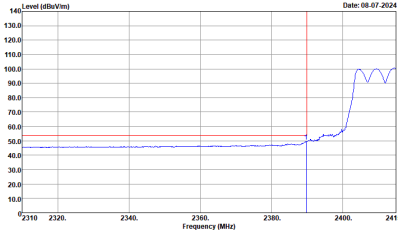
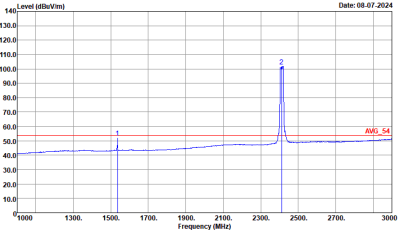
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : RBW:1000.000kHz VBW:1.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : RBW:1000.000kHz VBW:1.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14



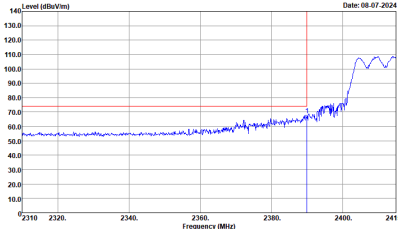
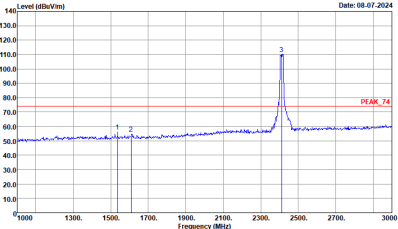
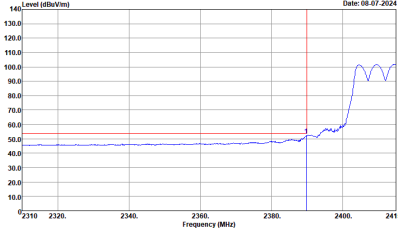
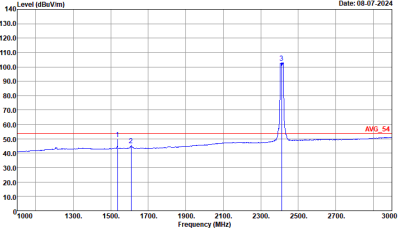
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14

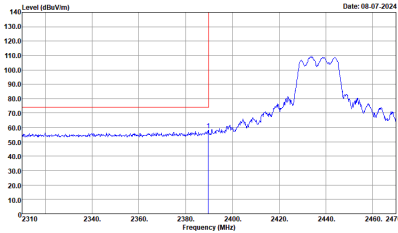
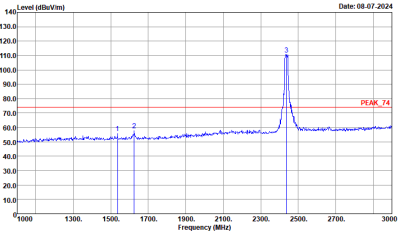
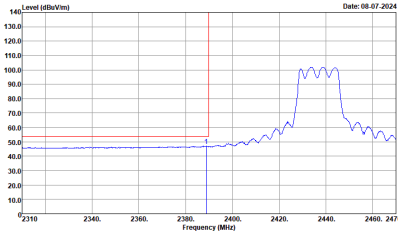
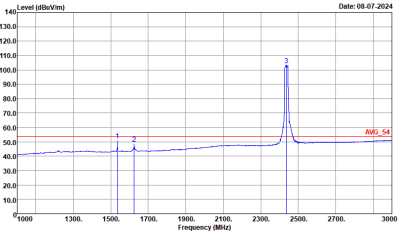
2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

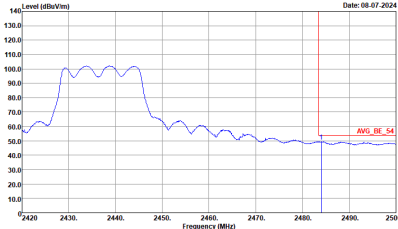
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 16.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 16.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 16.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 16.5



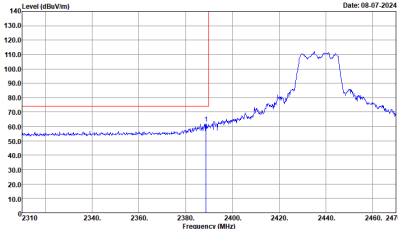
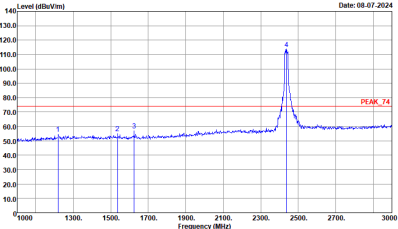
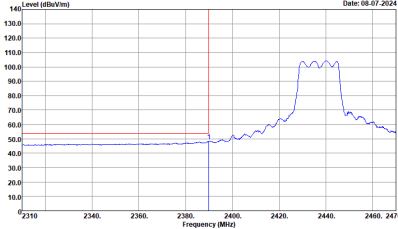
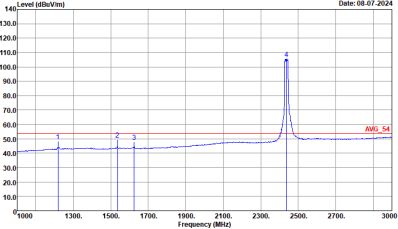
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORNI_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 16.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORNI_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 16.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORNI_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 16.5	 Site : 03CH02-CA Condition : AVG_54 3m HORNI_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 16.5

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18

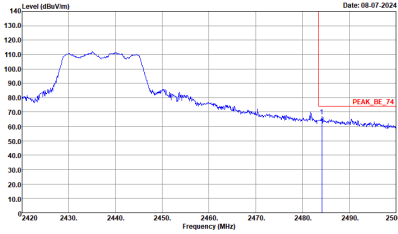
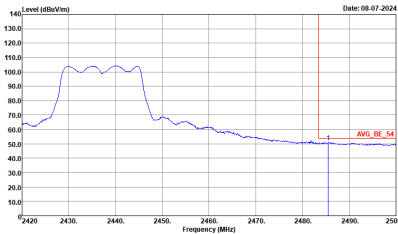


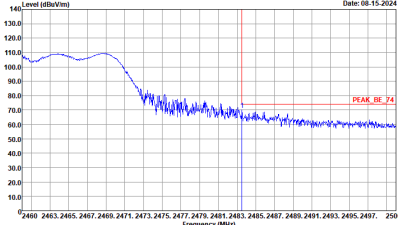
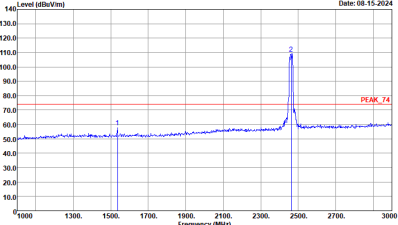
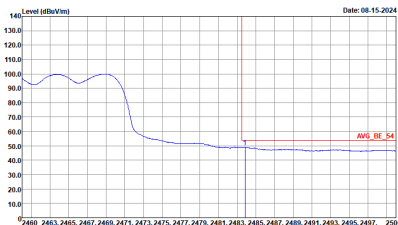
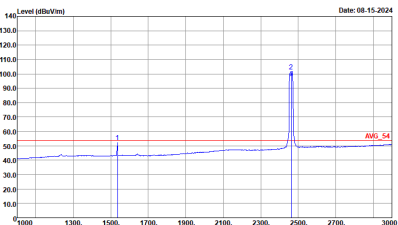
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18	Left blank

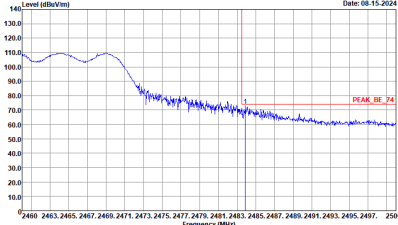
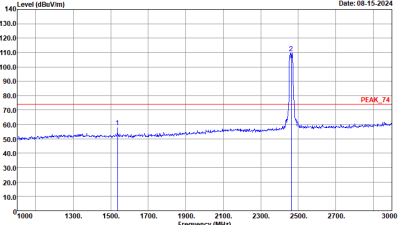
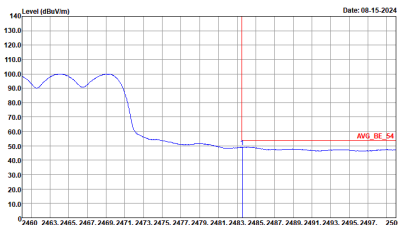
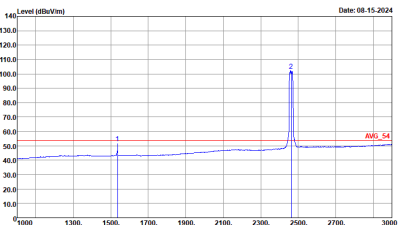


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18



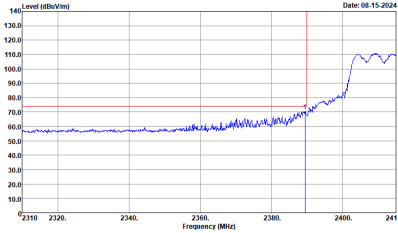
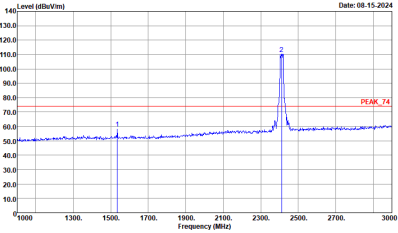
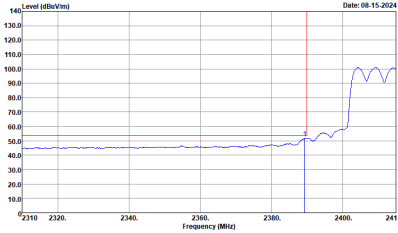
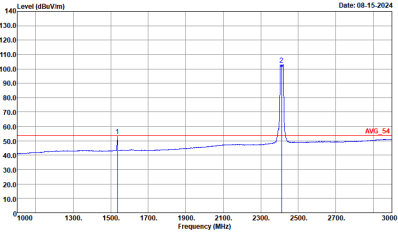
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18	Left Blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 18	Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5

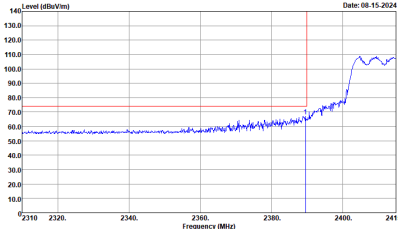
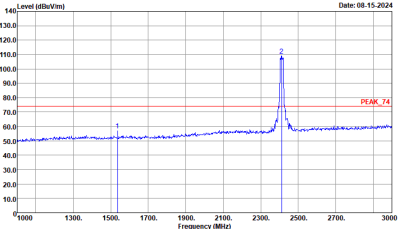
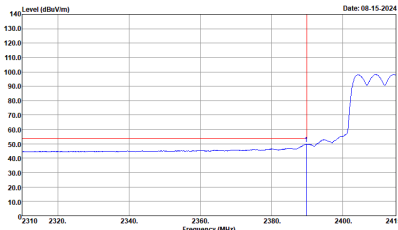
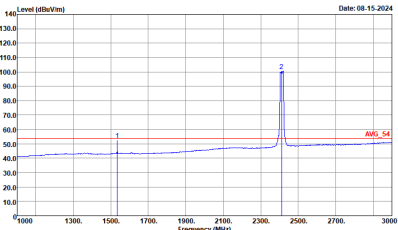
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5

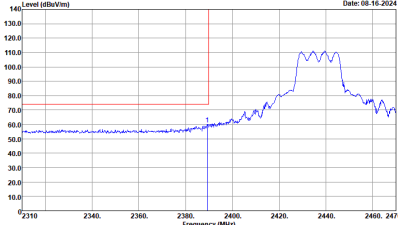
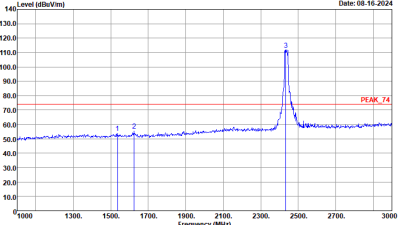
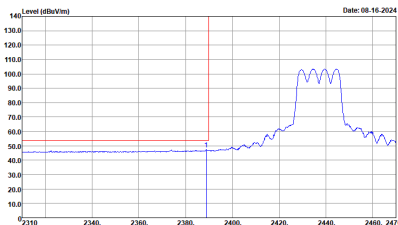
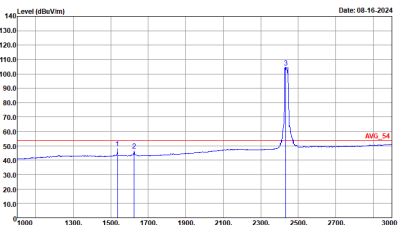
2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

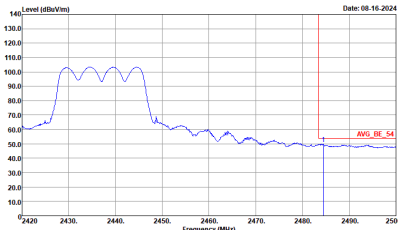
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5

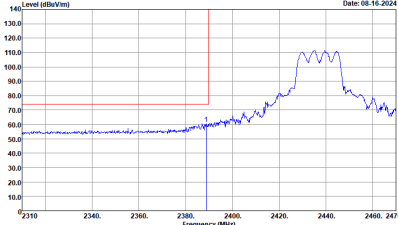
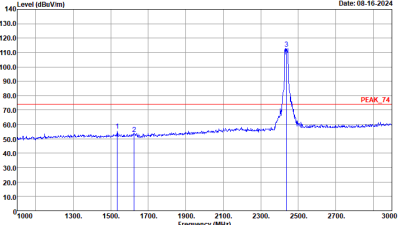
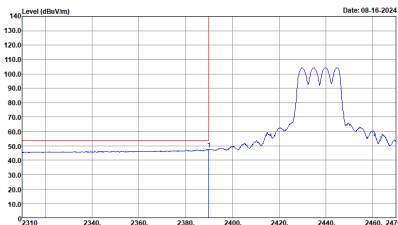
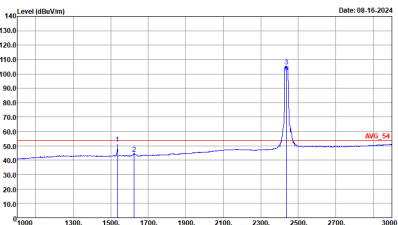


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:1.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:1.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5

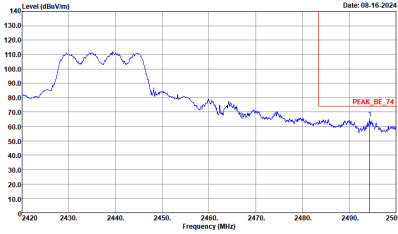
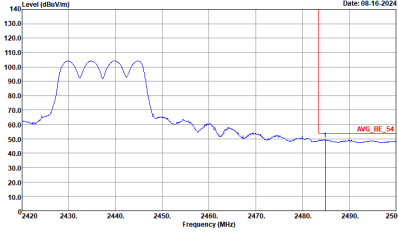
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5



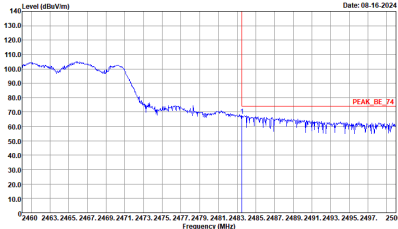
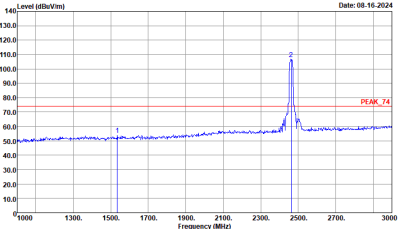
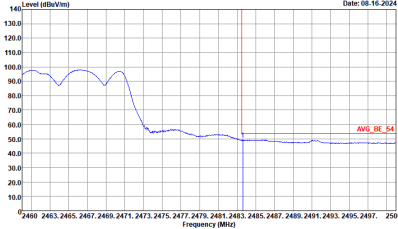
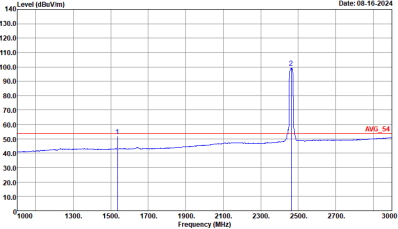
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5

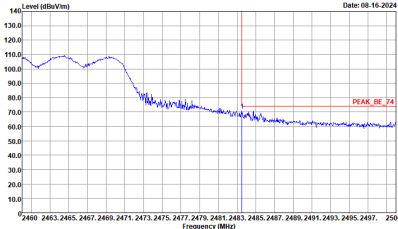
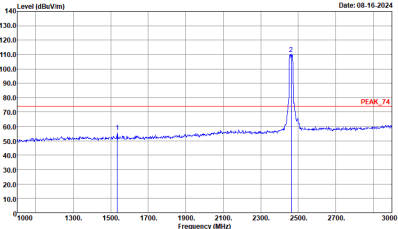
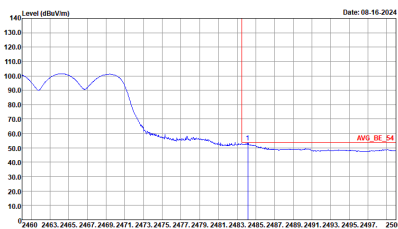
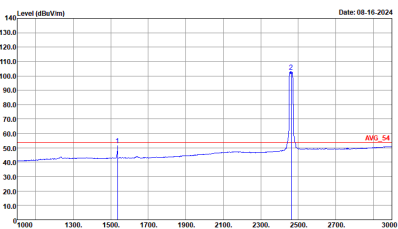


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5	Left Blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 17.5	Left Blank



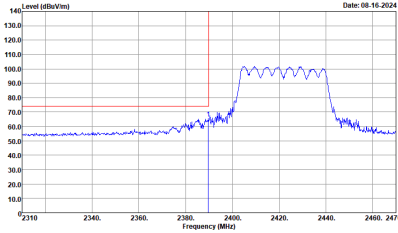
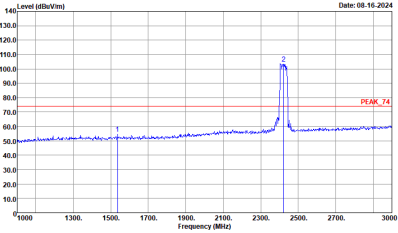
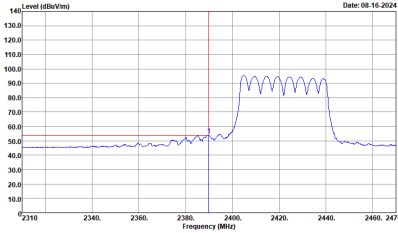
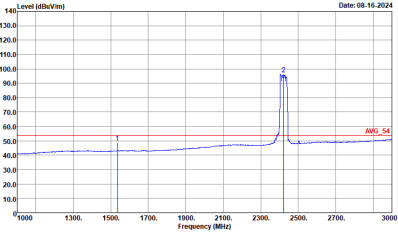
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14.5



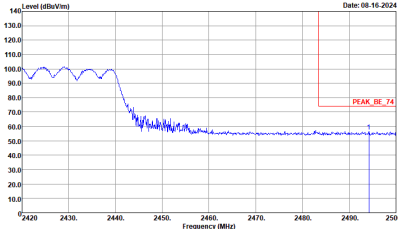
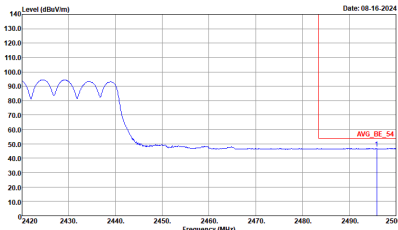
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 14.5

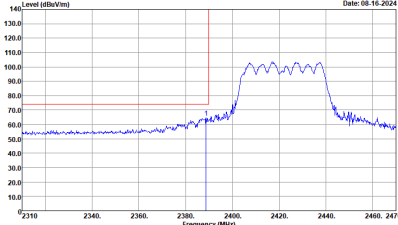
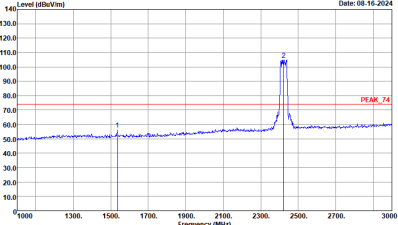
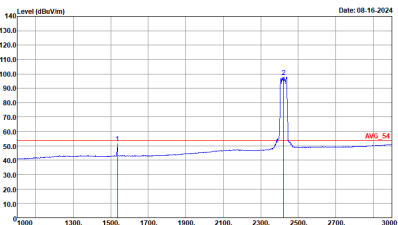
2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

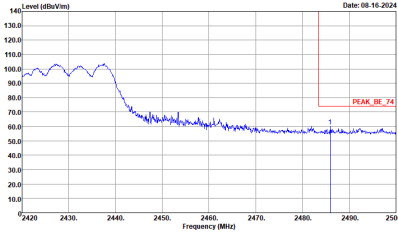
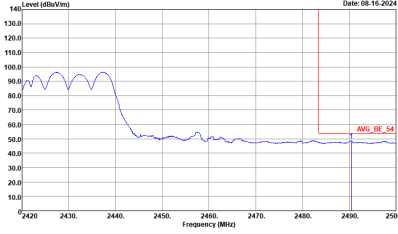
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5



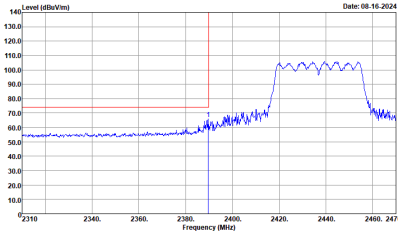
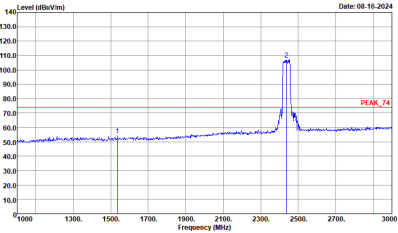
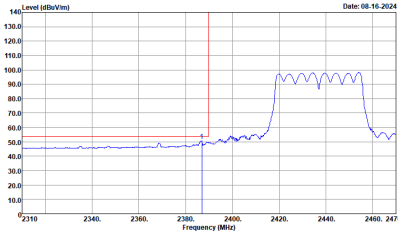
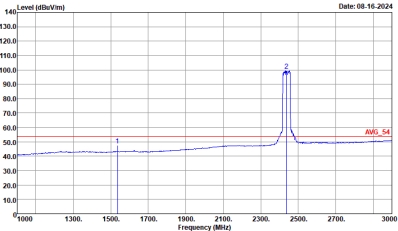
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	Left Blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORNI_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto Power : Peak Plane : AVR Power 120Vac/60Hz Setting : Z Setting : 13.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORNI_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto Power : Peak Plane : AVR Power 120Vac/60Hz Setting : Z Setting : 13.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORNI_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:1.000kHz SMT:Auto Power : Peak Plane : AVR Power 120Vac/60Hz Setting : Z Setting : 13.5	 Site : 03CH02-CA Condition : AVG_54 3m HORNI_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:1.000kHz SMT:Auto Power : Peak Plane : AVR Power 120Vac/60Hz Setting : Z Setting : 13.5

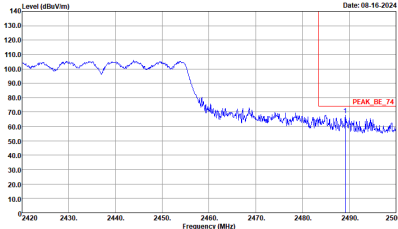
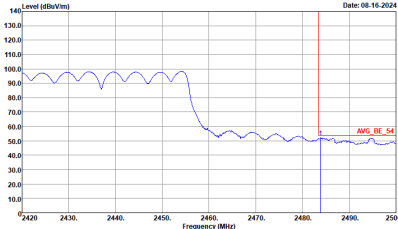


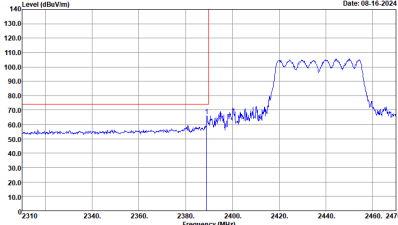
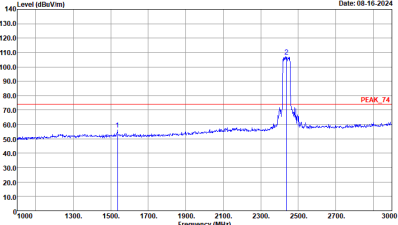
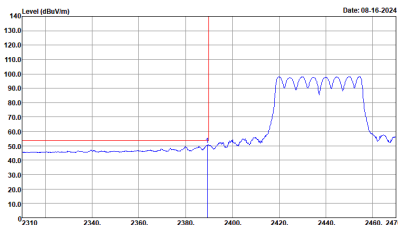
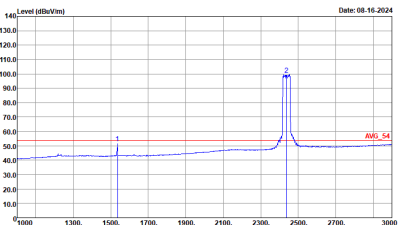
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	Left blank



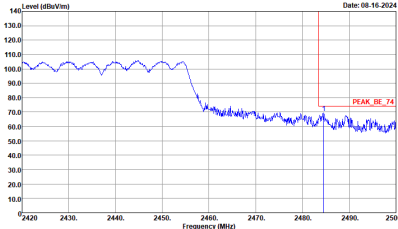
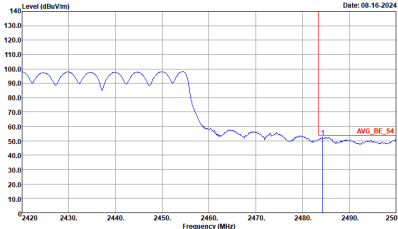
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5

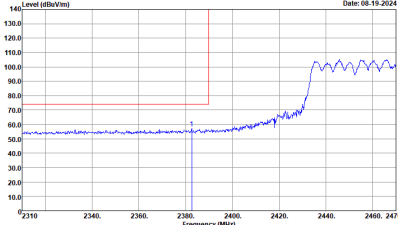
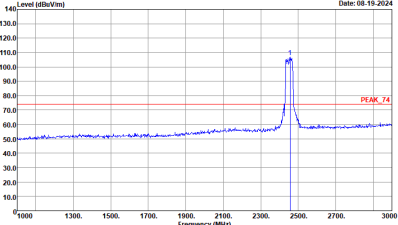
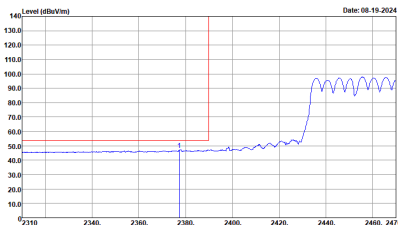
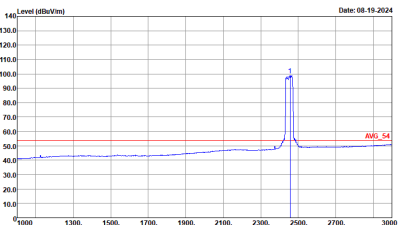


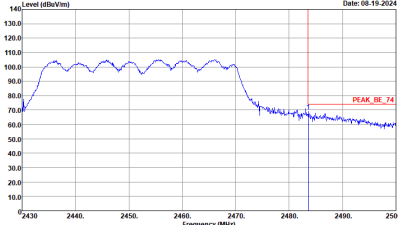
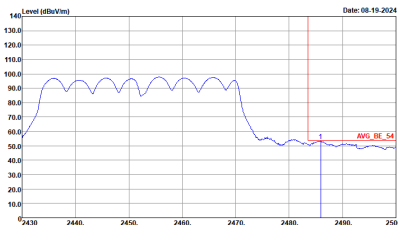
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5

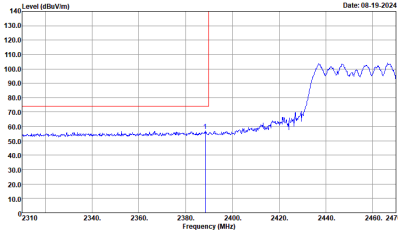
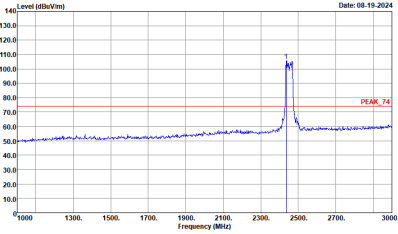
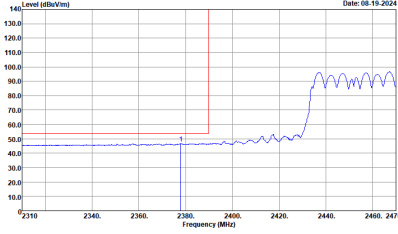
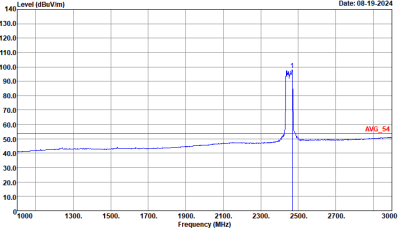


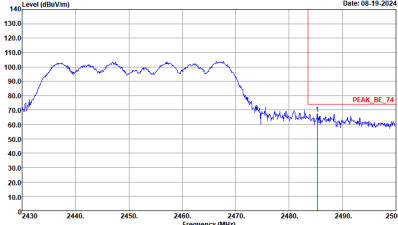
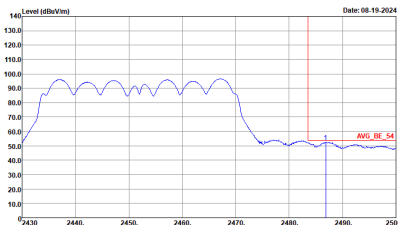
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 15.5	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_248129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_248129 HORIZONTAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	Left blank

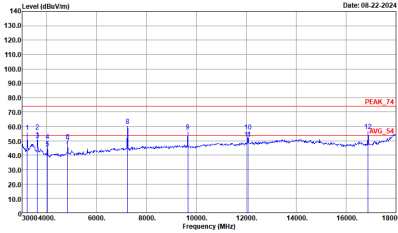
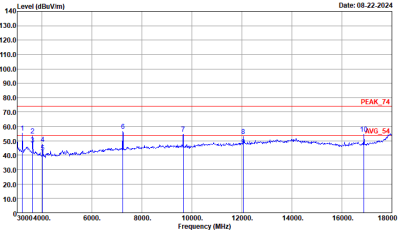


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:1.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : RBW:1000.000kHz VBW:1.000kHz SMT:Auto Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5

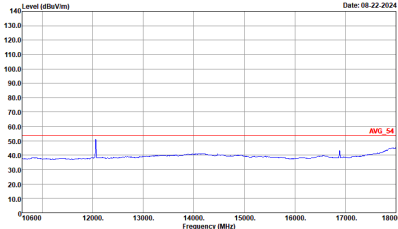
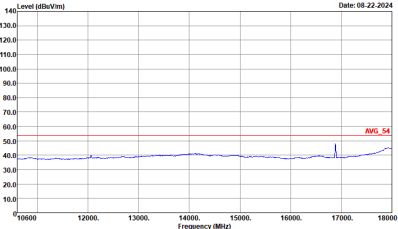
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : AVR Power 120Vac/60Hz Plane : Z Setting : 13.5	Left blank



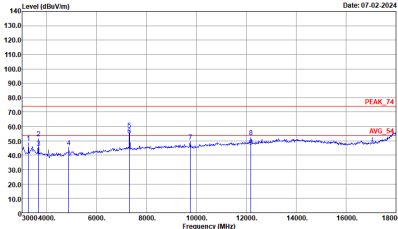
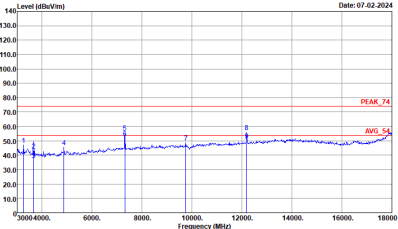
2.4GHz 2400~2483.5MHz
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : AVR Power 120Vac/60Hz Setting : 2 Setting : 17	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : AVR Power 120Vac/60Hz Setting : 2 Setting : 17



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 17	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 17

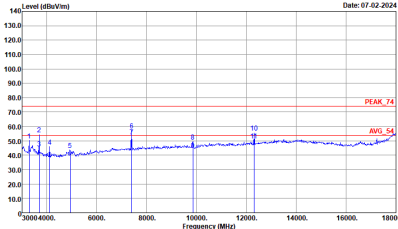
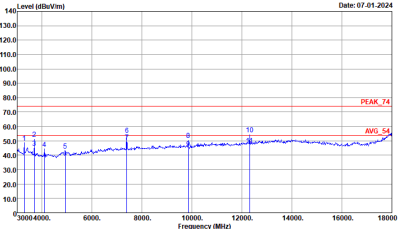


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : JVR Power 120Vac/60Hz Plane : Z Setting : 13	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Power : JVR Power 120Vac/60Hz Plane : Z Setting : 13

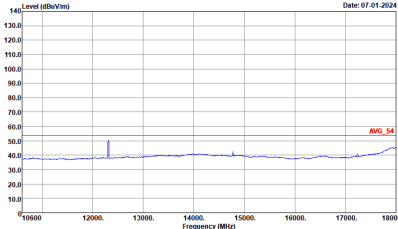
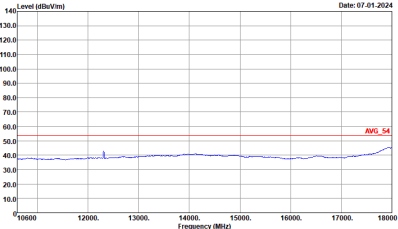


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Power : JVR Power 120Vac/60Hz Plane : Z Setting : 13	Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Power : JVR Power 120Vac/60Hz Plane : Z Setting : 13



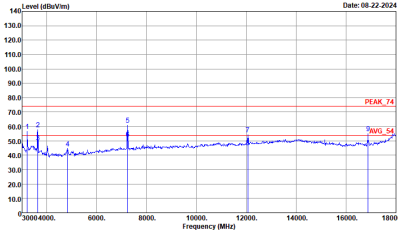
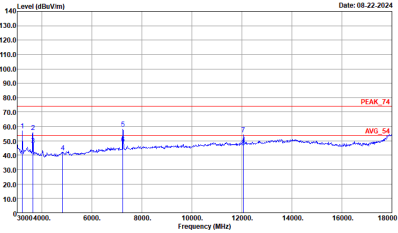
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak : AVR Power 120Vac/60Hz Plane : Z Setting : 14	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak : AVR Power 120Vac/60Hz Plane : Z Setting : 14



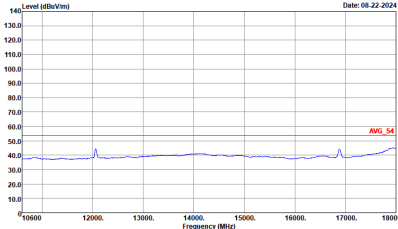
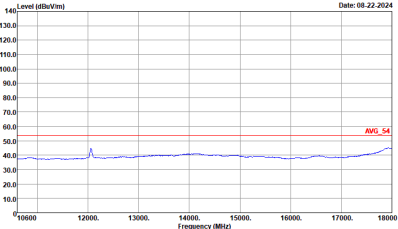
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 14	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 14



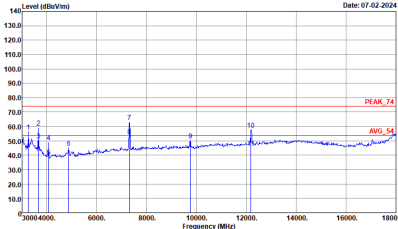
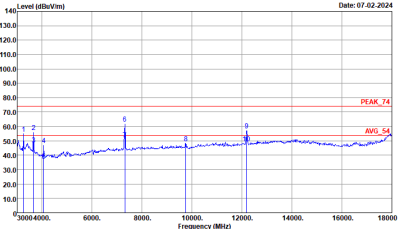
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak AVR Power 120Vac/60Hz Plane : Z Setting : 16.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak AVR Power 120Vac/60Hz Plane : Z Setting : 16.5

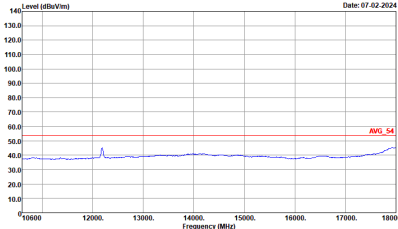
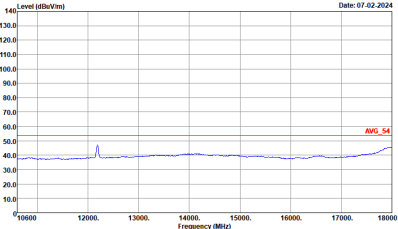


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 16.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 16.5

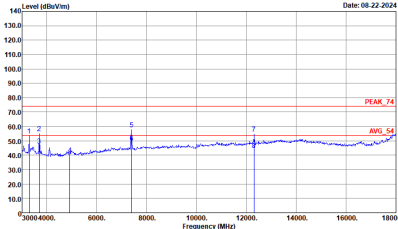
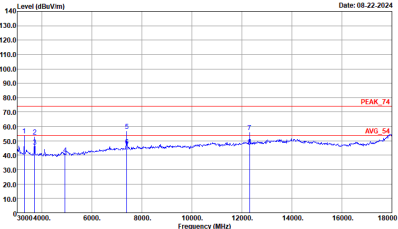


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak : JVR Power 120Vac/60Hz Plane : Z Setting : 18	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak : JVR Power 120Vac/60Hz Plane : Z Setting : 18

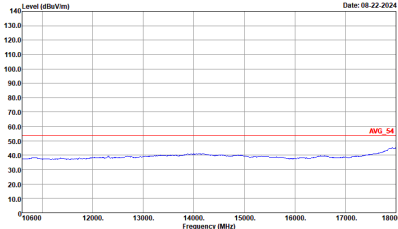
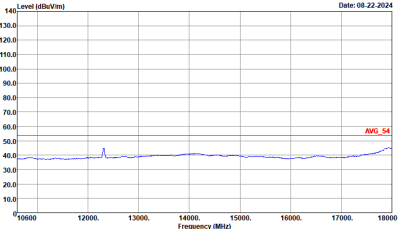


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 18	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 18



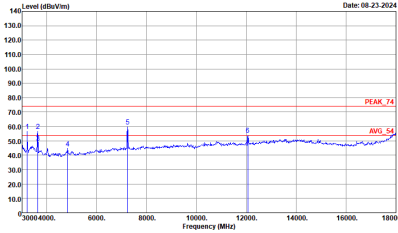
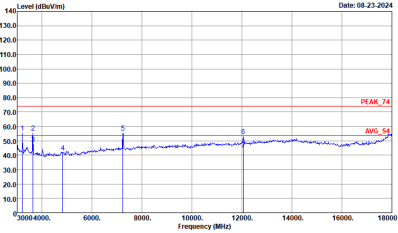
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 13.5



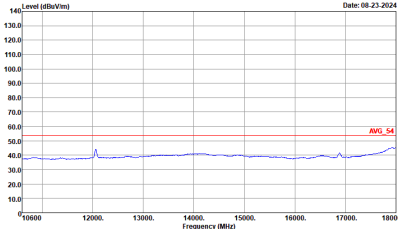
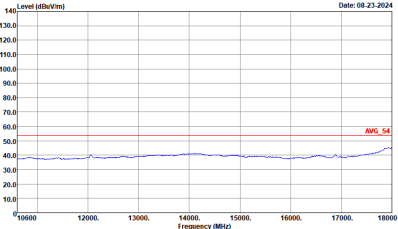
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 13.5



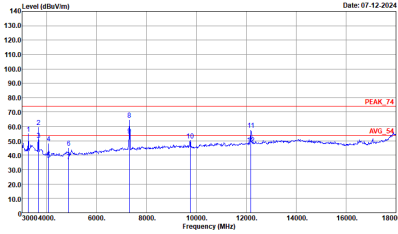
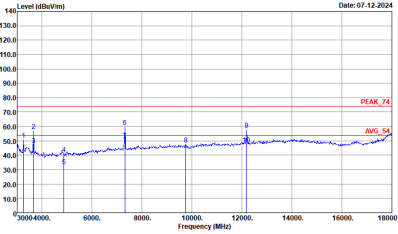
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : AVR Power 120Vac/60Hz Setting : 2 Setting : 15.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : AVR Power 120Vac/60Hz Setting : 2 Setting : 15.5

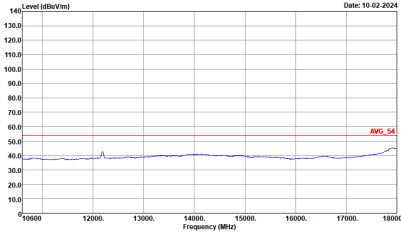
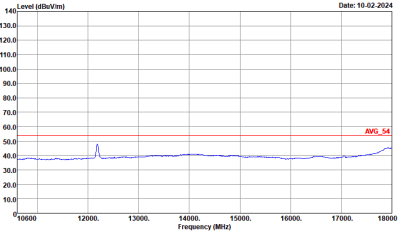


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 15.5

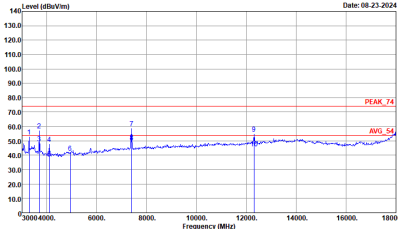
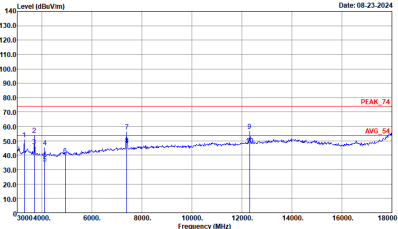


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 17.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 17.5

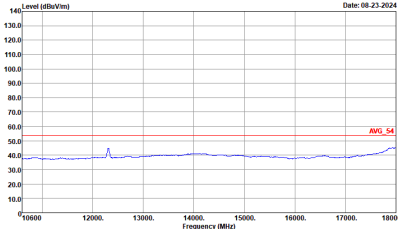
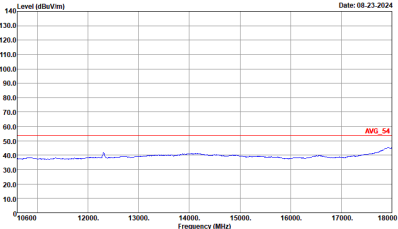


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : AVR Power 120Vac/60Hz Setting : 17.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : AVR Power 120Vac/60Hz Setting : 17.5



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 14.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 14.5



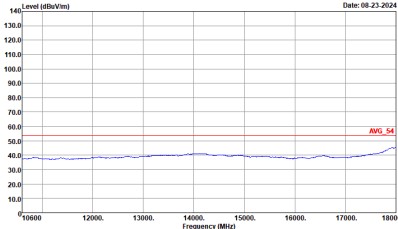
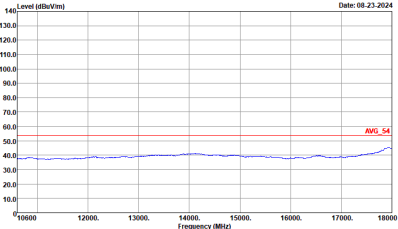
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 14.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 14.5



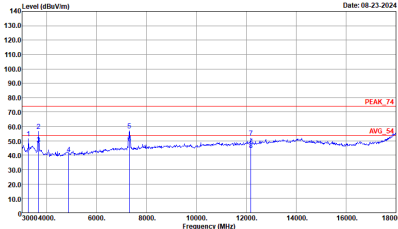
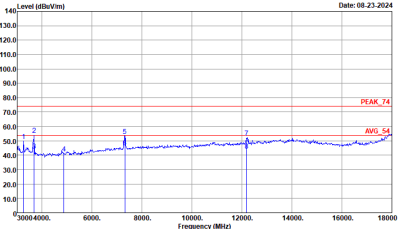
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH03 2422MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : AVR Power 120Vac/60Hz Setting : 2 Setting : 13.5	Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : AVR Power 120Vac/60Hz Setting : 2 Setting : 13.5

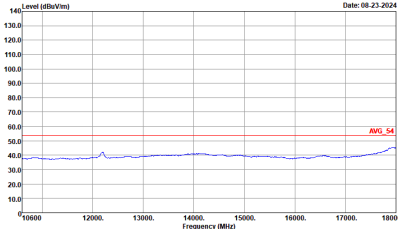
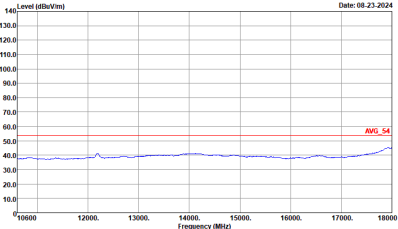


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH03 2422MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 13.5

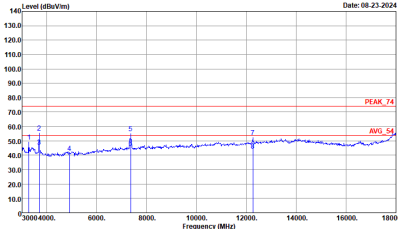
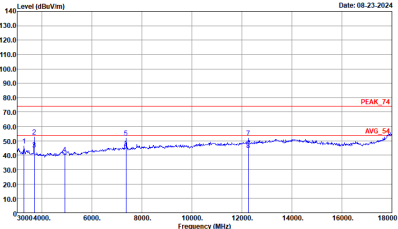


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH06 2437MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : JVR Power 120Vac/60Hz Setting : 15.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : JVR Power 120Vac/60Hz Setting : 15.5

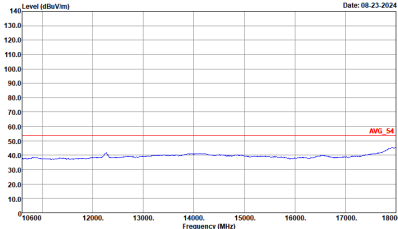
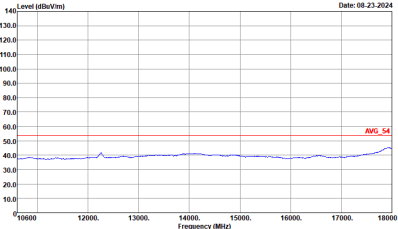


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH06 2437MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 15.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 15.5

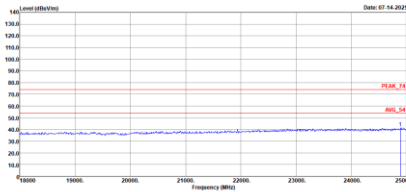
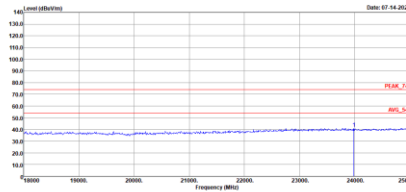


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH09 2452MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 HORIZONTAL Detector : Peak Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : PEAK_74 3m HORN_02140_240129 VERTICAL Detector : Peak Plane : Z Setting : 13.5



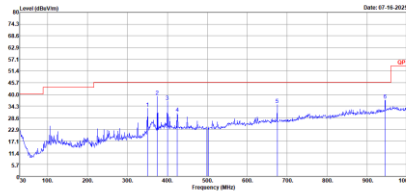
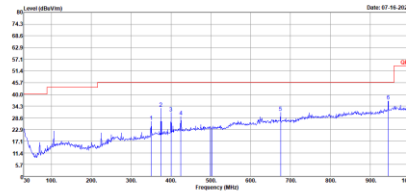
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH09 2452MHz	
1+2	Horizontal	Vertical
10.6G ~18.0G Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL Detector : Peak : JVR Power 120Vac/60Hz Plane : Z Setting : 13.5	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL Detector : Peak : JVR Power 120Vac/60Hz Plane : Z Setting : 13.5

Emission above 18GHz
2.4GHz WIFI 802.11n HT20 (SHF @ 1m)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT20 SHF	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 85CH02-CA Condition : PEAK_74 5m SHF_HORN_841_2400007 HORIZONTAL Power : 120W Detector : Peak Plane : 2 Setting : 13.5	 Site : 85CH02-CA Condition : PEAK_74 5m SHF_HORN_841_2400007 VERTICAL Power : 120W Detector : Peak Plane : 2 Setting : 13.5

Emission below 1GHz

2.4GHz WIFI 802.11n HT20 (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT20 LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 05CH02-CA Condition : QP 3m S1LOG_50392_240813_H HORIZONTAL Power : 120Vvac/50Hz Detector : Peak Plane : 2 Setting : 17.5	 Site : 05CH02-CA Condition : QP 3m S1LOG_50392_240813_H VERTICAL Power : 120Vvac/50Hz Detector : Peak Plane : 2 Setting : 17.5



Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting
1+2	802.11b	90.65	2240	0.45	1kHz
1+2	802.11g	90.55	1390	0.72	1kHz
1+2	2.4GHz 802.11n HT20	90.91	1300	0.77	1kHz
1+2	2.4GHz 802.11n HT40	90.97	1410	0.71	1kHz

