

FCC RF Test Report

APPLICANT : Wistron Corporation
EQUIPMENT : Notebook Computer
BRAND NAME : Lenovo
MODEL NAME : TP00076C
FCC ID : PU5-TP00076CUC
STANDARD : FCC Part 15 Subpart C §15.247
CLASSIFICATION : (DTS) Digital Transmission System

Equipment: Sierra Wireless EM7455 and Intel 8265NGW tested inside of Lenovo Notebook Computer.

This is a partial report which is included the conducted emission and radiated emission test items. The product was received on Nov. 03, 2016 and testing was completed on Nov. 26, 2016. We, SPORTON INTERNATIONAL 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 report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.



Reviewed by: Joseph Lin / Supervisor



Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.



TABLE OF CONTENTS

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer	5
1.3 Product Feature of Equipment Under Test	5
1.4 Product Specification of Equipment Under Test	6
1.5 Modification of EUT	6
1.6 Testing Location	7
1.7 Applicable Standards	7
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	8
2.1 Carrier Frequency and Channel	8
2.2 Test Mode	9
2.3 Connection Diagram of Test System	10
2.4 Support Unit used in test configuration and system	11
2.5 EUT Operation Test Setup	11
3 TEST RESULT	12
3.1 Radiated Band Edges and Spurious Emission Measurement	12
3.2 AC Conducted Emission Measurement	16
3.3 Antenna Requirements	20
4 LIST OF MEASURING EQUIPMENT	21
5 UNCERTAINTY OF EVALUATION	22
APPENDIX A. RADIATED SPURIOUS EMISSION	
APPENDIX B. RADIATED SPURIOUS EMISSION PLOTS	
APPENDIX C. DUTY CYCLE PLOTS	
APPENDIX D. SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR6N0303-01C	Rev. 01	Initial issue of report	Dec. 19, 2016



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 1.00 dB at 2387.560 MHz
3.2	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 17.07 dB at 0.170 MHz
3.3	15.203 & 15.247(b)	Antenna Requirement	N/A	Pass	-



1 General Description

1.1 Applicant

Wistron Corporation

21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist, New Taipei City 221, Taiwan R.O.C.

1.2 Manufacturer

Wistron Corporation

21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist, New Taipei City 221, Taiwan R.O.C.

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Notebook Computer
Brand Name	Lenovo
Model Name	TP00076C
FCC ID	PU5-TP00076CUC
Integrated WWAN Module	Brand Name: Sierra Model Name: EM7455 FCC ID: N7NEM7455
Integrated WLAN Module	Brand Name: Intel Model Name: 8265NGW FCC ID: PD98265NG
EUT supports Radios application	WCDMA/HSPA/LTE WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification			
Tx/Rx Channel Frequency Range		2412 MHz ~ 2472 MHz	
Type of Modulation		802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)	
Antenna Function for Transmitter			
		Ant. 1	Ant. 2
		802.11 b/g/n	V
		802.11 n MIMO	V

Note: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No.
	CO01-HY

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

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	03CH10-HY

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

1.7 Applicable Standards

According to the specifications of 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 DTS Meas. Guidance v03r05
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

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: conducted emission (150 kHz to 30 MHz) and radiated emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	1	2412	8	2447
	2	2417	9	2452
	3	2422	10	2457
	4	2427	11	2462
	5	2432	12	2467
	6	2437	13	2472
	7	2442		

2.2 Test Mode

Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates as below table.

Single Antenna

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

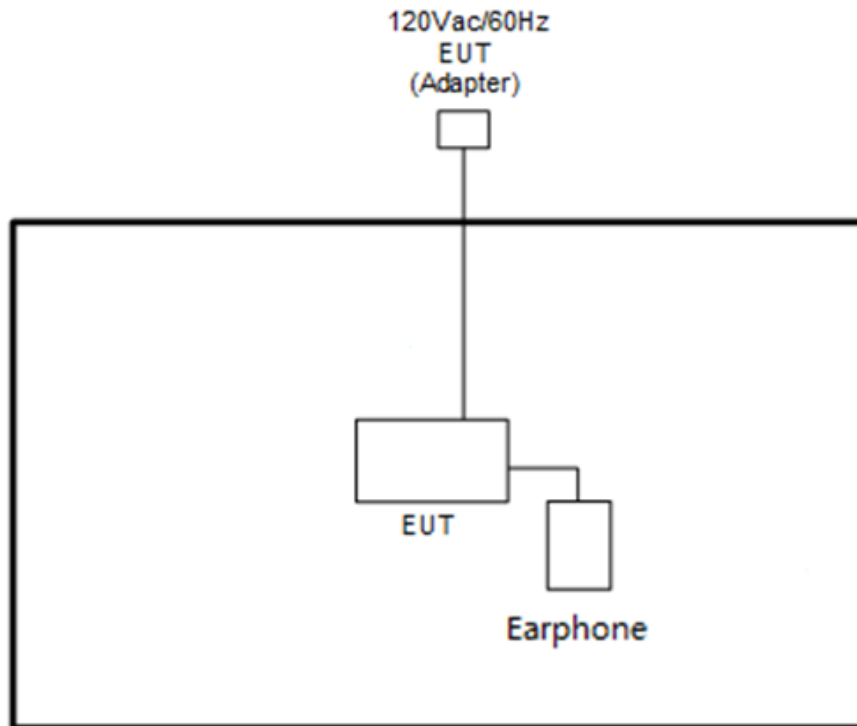
MIMO Antenna

Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0

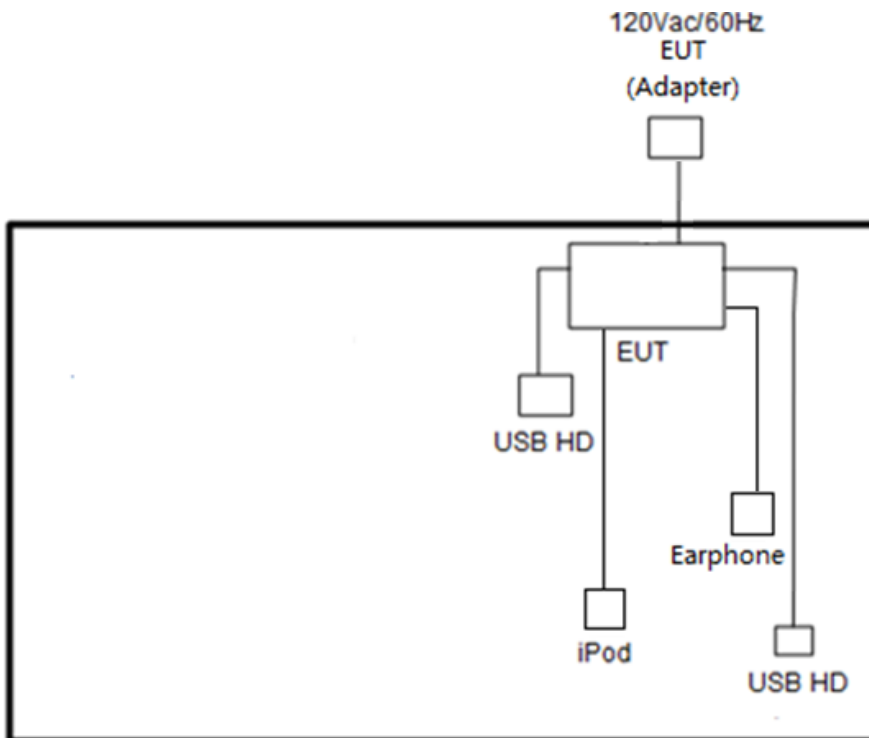
Test Cases	
AC Conducted	Mode 1 :Bluetooth Link + TF + TC
Emission	Mode 2 WLAN Link + TF + TC
Remark: - The worst case of conducted emission is mode 1; only the test data of it was reported. - All the radiated test cases were performance with Antenna 3. - TF stands for Test Function, and consists of MPEG4 and Camera. - TC stands for Test Configuration, and consists of Earphone, USB (HD and iPod), Adapter, SD Card, and DP Cable.	

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>





2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	iPod	Apple	A1285	DoC	Shielded, 1.0m	N/A
2.	Earphone	lenovo	TS300-01MS21-8S	FCC DoC	Unshielded, 1.2m	N/A
3.	HD USB	lenovo	F310S	FCC DoC	Shielded, 0.5m	N/A
4.	HD USB	SONY	HD-E1	FCC DoC	Shielded, 0.5m	N/A
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The programmed RF utility “DRTU”, is installed in EUT to provide channel selection, power level, data rate and the application type. RF Utility can send transmitting signal for all testing. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.



3 Test Result

3.1 Radiated Band Edges and Spurious Emission Measurement

3.1.1 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 was 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 FCC section 15.209 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

3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.



3.1.3 Test Procedures

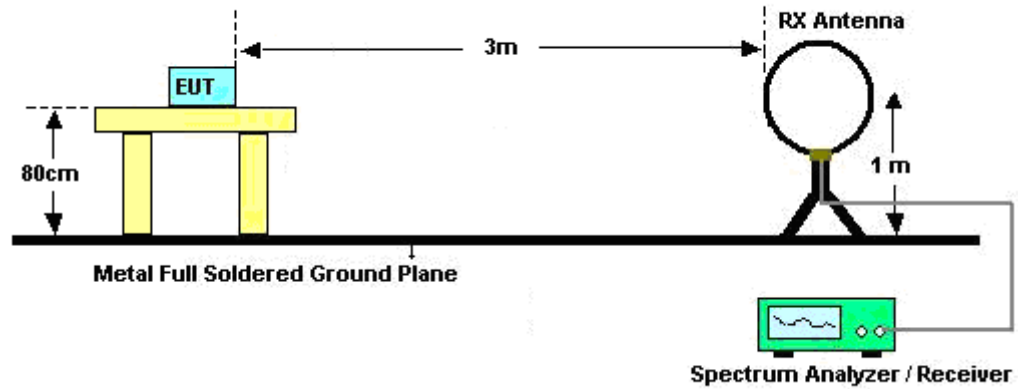
1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r05.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
7. 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= 3MHz for $f \geq 1$ GHz for peak measurement.

For average measurement:

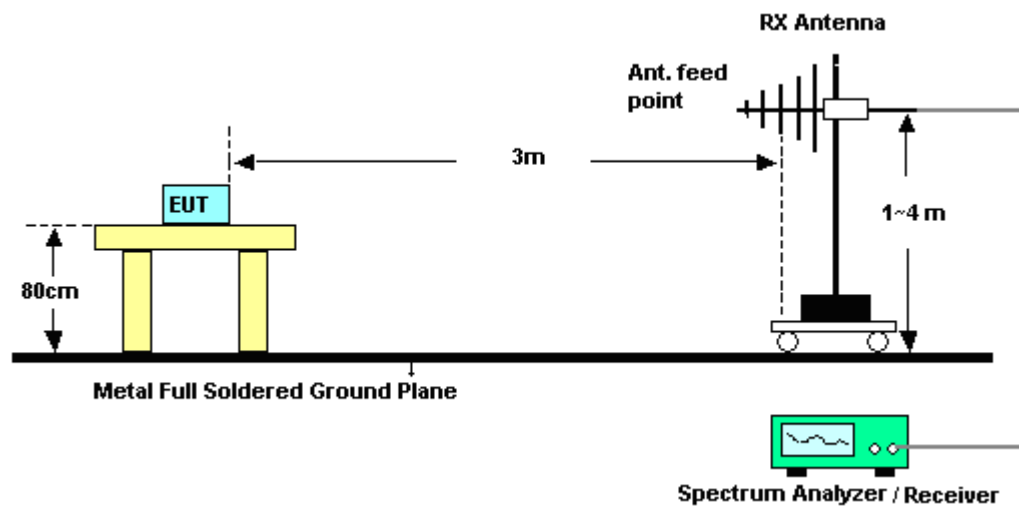
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.1.4 Test Setup

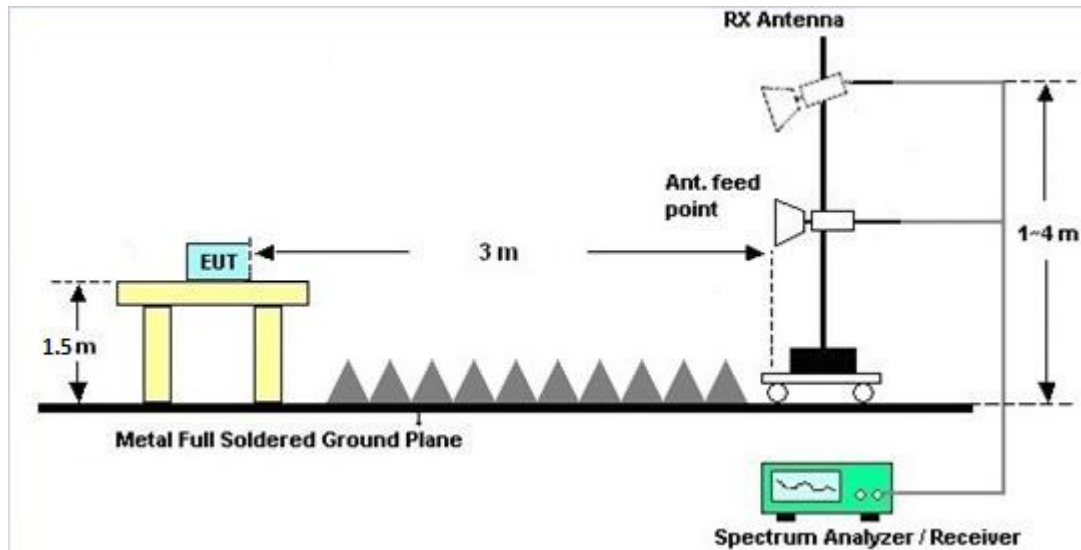
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

3.1.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix A and B.

3.1.7 Duty Cycle

Please refer to Appendix C.

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

Please refer to Appendix A and B.

3.2 AC Conducted Emission Measurement

3.2.1 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.

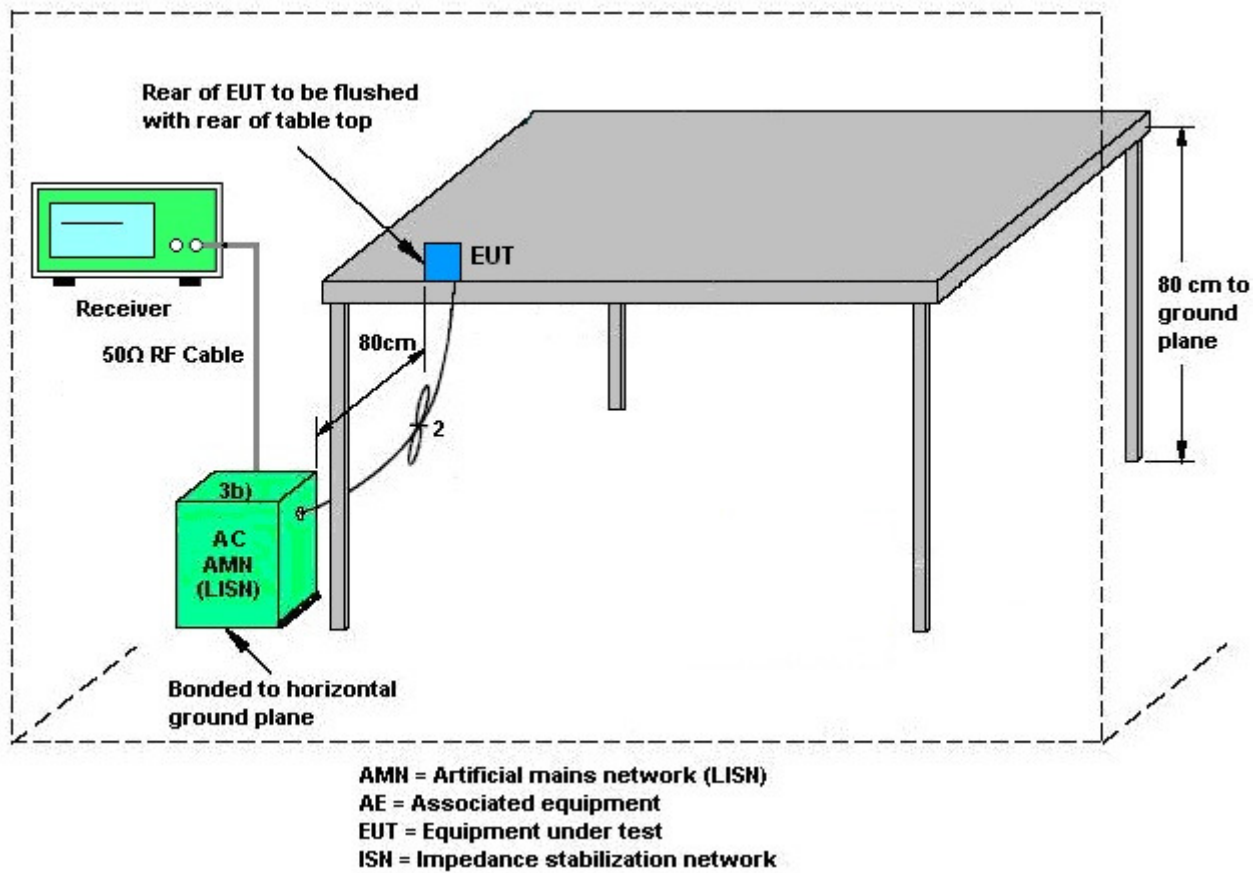
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

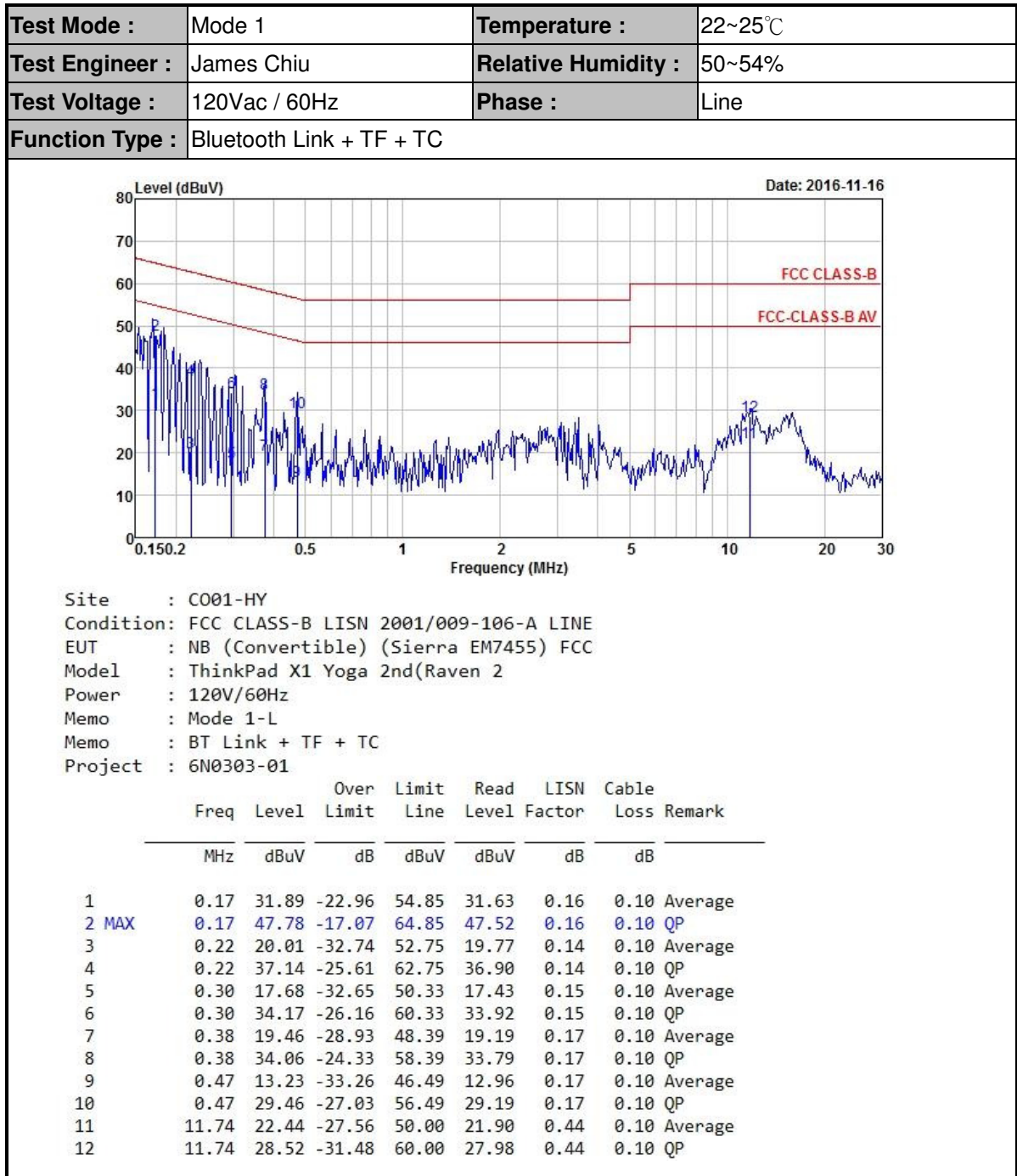
3.2.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was 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 should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.2.4 Test Setup

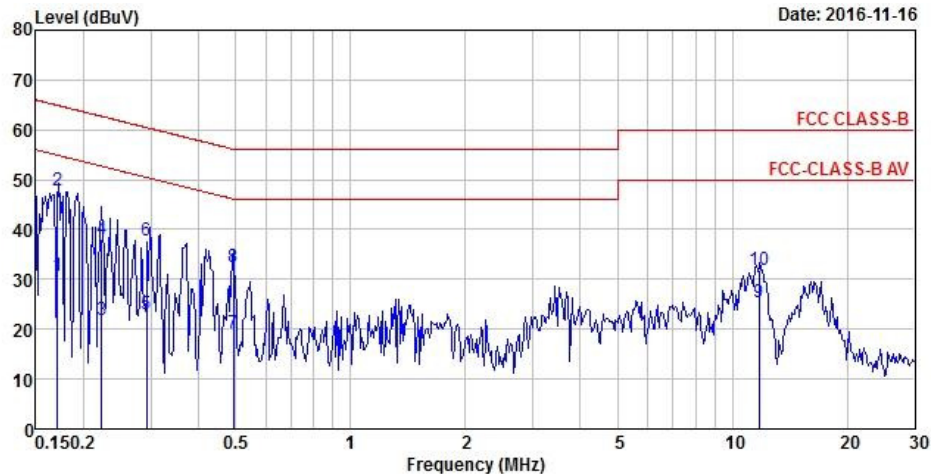


3.2.5 Test Result of AC Conducted Emission





Test Mode :	Mode 1	Temperature :	22~25°C
Test Engineer :	James Chiu	Relative Humidity :	50~54%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	Bluetooth Link + TF + TC		



Site : C001-HY
 Condition: FCC CLASS-B LISN 2001/009-106-A NEUTRAL
 EUT : NB (Convertible) (Sierra EM7455) FCC
 Model : ThinkPad X1 Yoga 2nd(Raven 2)
 Power : 120V/60Hz
 Memo : Mode 1-N
 Memo : BT Link + TF + TC
 Project : 6N0303-01

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	30.71	-24.20	54.91	30.53	0.08	0.10	Average
2 MAX	0.17	47.70	-17.21	64.91	47.52	0.08	0.10	QP
3	0.22	21.85	-30.85	52.70	21.62	0.13	0.10	Average
4	0.22	37.96	-24.74	62.70	37.73	0.13	0.10	QP
5	0.29	22.99	-27.46	50.45	22.75	0.14	0.10	Average
6	0.29	37.71	-22.74	60.45	37.47	0.14	0.10	QP
7	0.49	19.30	-26.80	46.10	19.05	0.15	0.10	Average
8	0.49	32.39	-23.71	56.10	32.14	0.15	0.10	QP
9	11.75	25.51	-24.49	50.00	25.01	0.40	0.10	Average
10	11.75	31.76	-28.24	60.00	31.26	0.40	0.10	QP



3.3 Antenna Requirements

3.3.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the Antenna exceeds 6 dBi. 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 FCC rule.

3.3.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.3.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 16, 2016	N/A	Conduction (CO01-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Nov. 16, 2016	Aug. 29, 2017	Conduction (CO01-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2015	Nov. 16, 2016	Dec. 01, 2016	Conduction (CO01-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Nov. 24, 2016 ~ Nov. 26, 2016	Sep. 01, 2017	Radiation (03CH10-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 26, 2016	Nov. 24, 2016 ~ Nov. 26, 2016	Oct. 25, 2017	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Jan. 13, 2016	Nov. 24, 2016 ~ Nov. 26, 2016	Jan. 12, 2017	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-132 5	1GHz ~ 18GHz	Sep. 30, 2016	Nov. 24, 2016 ~ Nov. 26, 2016	Sep. 29, 2017	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY532700 78	1GHz~26.5GHz	Oct. 26, 2016	Nov. 24, 2016 ~ Nov. 26, 2016	Oct. 25, 2017	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 85	10Hz ~ 44GHz	Oct. 17, 2016	Nov. 24, 2016 ~ Nov. 26, 2016	Oct. 16, 2017	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Nov. 24, 2016 ~ Nov. 26, 2016	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Nov. 24, 2016 ~ Nov. 26, 2016	N/A	Radiation (03CH10-HY)
Preamplifier	MITEQ	TTA0204	1872107	2GHz~40GHz	Feb. 15, 2016	Nov. 24, 2016 ~ Nov. 26, 2016	Feb. 14, 2017	Radiation (03CH10-HY)
Preamplifier	MITEQ	JS44-180040 00-33-8P	1840917	18GHz ~ 40GHz	Jun. 14, 2016	Nov. 24, 2016 ~ Nov. 26, 2016	Jun. 13, 2017	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Nov. 08, 2016	Nov. 24, 2016 ~ Nov. 26, 2016	Nov. 07, 2017	Radiation (03CH10-HY)
EMI Test Receiver	Agilent	N9038A (MXE)	MY532900 53	20Hz to 26.5GHz	Jan. 20, 2016	Nov. 24, 2016 ~ Nov. 26, 2016	Jan. 19, 2017	Radiation (03CH10-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.2
--	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.6
--	-----

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.9
--	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2
--	-----



Appendix A. Radiated Spurious Emission

Test Engineer :	Tsung Lee, Stan Hsieh and Kyle Jhuang	Temperature :	21~23°C
		Relative Humidity :	45~49%

<Ant. 1>

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11b CH 01 2412MHz		2389.905	54.74	-19.26	74	55.33	27.23	5.39	33.21	135	293	P	H
		2388.96	47.74	-6.26	54	48.34	27.23	5.39	33.22	135	293	A	H
	*	2412	106.35	-	-	106.86	27.28	5.42	33.21	135	293	P	H
	*	2412	102.3	-	-	102.81	27.28	5.42	33.21	135	293	A	H
													H
													H
		2382.66	52.03	-21.97	74	52.67	27.19	5.39	33.22	330	217	P	V
		2374.785	44.28	-9.72	54	44.92	27.19	5.39	33.22	330	217	A	V
	*	2412	104.38	-	-	104.89	27.28	5.42	33.21	330	217	P	V
	*	2412	101.33	-	-	101.84	27.28	5.42	33.21	330	217	A	V
													V
													V
802.11b CH 06 2437MHz		2377.76	52.59	-21.41	74	53.23	27.19	5.39	33.22	135	293	P	H
		2388.54	43.83	-10.17	54	44.43	27.23	5.39	33.22	135	293	A	H
	*	2437	106.54	-	-	106.94	27.37	5.42	33.19	135	293	P	H
	*	2437	101.96	-	-	102.36	27.37	5.42	33.19	135	293	A	H
		2489.22	52.78	-21.22	74	52.99	27.5	5.46	33.17	135	293	P	H
		2483.5	45.24	-8.76	54	45.49	27.46	5.46	33.17	135	293	A	H
		2385.18	52.34	-21.66	74	52.98	27.19	5.39	33.22	333	205	P	V
		2388.96	41.6	-12.4	54	42.2	27.23	5.39	33.22	333	205	A	V
	*	2437	104.01	-	-	104.41	27.37	5.42	33.19	333	205	P	V
	*	2437	100.85	-	-	101.25	27.37	5.42	33.19	333	205	A	V
		2491.39	52.94	-21.06	74	53.15	27.5	5.46	33.17	333	205	P	V
		2483.83	44.88	-9.12	54	45.13	27.46	5.46	33.17	333	205	P	V



802.11b CH 11 2462MHz	*	2462	106.61	-	-	106.94	27.41	5.44	33.18	130	293	P	H
	*	2462	102.45	-	-	102.78	27.41	5.44	33.18	130	293	A	H
		2499.64	55.39	-18.61	74	55.59	27.5	5.46	33.16	130	293	P	H
		2499.64	48.31	-5.69	54	48.51	27.5	5.46	33.16	130	293	A	H
													H
													H
	*	2462	104.61	-	-	104.94	27.41	5.44	33.18	354	215	P	V
	*	2462	100.87	-	-	101.2	27.41	5.44	33.18	354	215	A	V
		2499.8	53.98	-20.02	74	54.18	27.5	5.46	33.16	354	215	P	V
		2499.84	46.83	-7.17	54	47.03	27.5	5.46	33.16	354	215	A	V
													V
													V
802.11b CH 12 2467MHz	*	2467	106.37	-	-	106.69	27.41	5.44	33.17	100	294	P	H
	*	2467	103.28	-	-	103.6	27.41	5.44	33.17	100	294	A	H
		2484.88	58.16	-15.84	74	58.41	27.46	5.46	33.17	100	294	P	H
		2484.52	52.57	-1.43	54	52.82	27.46	5.46	33.17	100	294	A	H
													H
													H
	*	2467	104.51	-	-	104.83	27.41	5.44	33.17	363	219	P	V
	*	2467	101.39	-	-	101.71	27.41	5.44	33.17	363	219	A	V
		2484.52	56.65	-17.35	74	56.9	27.46	5.46	33.17	363	219	P	V
		2484.8	49.59	-4.41	54	49.84	27.46	5.46	33.17	363	219	A	V
													V
													V



802.11b CH 13 2472MHz	*	2472	103.76	-	-	104.03	27.46	5.44	33.17	100	294	P	H
	*	2472	100.64	-	-	100.91	27.46	5.44	33.17	100	294	A	H
		2484.6	55.22	-18.78	74	55.47	27.46	5.46	33.17	100	294	P	H
		2487.64	52.33	-1.67	54	52.54	27.5	5.46	33.17	100	294	A	H
													H
													H
	*	2472	101.82	-	-	102.09	27.46	5.44	33.17	366	223	P	V
	*	2472	98.79	-	-	99.06	27.46	5.44	33.17	366	223	A	V
		2486.6	56.55	-17.45	74	56.8	27.46	5.46	33.17	366	223	P	V
		2484.64	49.52	-4.48	54	49.77	27.46	5.46	33.17	366	223	A	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 802.11b (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	35.67	-38.33	74	47.81	31.46	7.58	51.18	100	0	P	H
													H
													H
													H
		4824	34.03	-39.97	74	46.17	31.46	7.58	51.18	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	34	-40	74	45.89	31.56	7.7	51.15	100	0	P	H
		7311	42.6	-31.4	74	47.73	36.18	9.49	50.8	100	0	P	H
													H
													H
		4874	34.46	-39.54	74	46.35	31.56	7.7	51.15	100	0	P	V
		7311	43.25	-30.75	74	48.38	36.18	9.49	50.8	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4924	36.31	-37.69	74	47.85	31.66	7.93	51.13	100	0	P	H
		7386	43.36	-30.64	74	48.26	36.37	9.53	50.8	100	0	P	H
													H
													H
		4924	34.47	-39.53	74	46.01	31.66	7.93	51.13	100	0	P	V
		7386	42.24	-31.76	74	47.14	36.37	9.53	50.8	100	0	P	V
													V
													V



802.11b CH 12 2467MHz		4934	34.58	-39.42	74	46.12	31.66	7.93	51.13	100	0	P	H
		7401	41.56	-32.44	74	46.34	36.41	9.61	50.8	100	0	P	H
													H
													H
		4934	34.87	-39.13	74	46.41	31.66	7.93	51.13	100	0	P	V
		7401	42.23	-31.77	74	47.01	36.41	9.61	50.8	100	0	P	V
													V
													V
802.11b CH 13 2472MHz		4944	35.93	-38.07	74	47.43	31.7	7.93	51.13	100	0	P	H
		7416	41.04	-32.96	74	45.82	36.41	9.61	50.8	100	0	P	H
													H
													H
		4944	35.92	-38.08	74	47.42	31.7	7.93	51.13	100	0	P	V
		7416	41.63	-32.37	74	46.41	36.41	9.61	50.8	100	0	P	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 802.11g (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2387.805	59.3	-14.7	74	59.9	27.23	5.39	33.22	105	297	P	H
		2389.59	49.51	-4.49	54	50.11	27.23	5.39	33.22	105	297	A	H
	*	2412	109.45	-	-	109.96	27.28	5.42	33.21	105	297	P	H
	*	2412	101.66	-	-	102.17	27.28	5.42	33.21	105	297	A	H
													H
													H
		2389.905	55.61	-18.39	74	56.2	27.23	5.39	33.21	330	217	P	V
		2389.695	46.26	-7.74	54	46.86	27.23	5.39	33.22	330	217	A	V
	*	2412	107.35	-	-	107.86	27.28	5.42	33.21	330	217	P	V
	*	2412	99.71	-	-	100.22	27.28	5.42	33.21	330	217	A	V
													V
													V
802.11g CH 06 2437MHz		2387.42	53.69	-20.31	74	54.29	27.23	5.39	33.22	109	294	P	H
		2388.82	44.04	-9.96	54	44.64	27.23	5.39	33.22	109	294	A	H
	*	2437	109.07	-	-	109.47	27.37	5.42	33.19	109	294	P	H
	*	2437	101.63	-	-	102.03	27.37	5.42	33.19	109	294	A	H
		2483.9	56.13	-17.87	74	56.38	27.46	5.46	33.17	109	294	P	H
		2485.23	45.27	-8.73	54	45.52	27.46	5.46	33.17	109	294	A	H
		2387.28	52.28	-21.72	74	52.88	27.23	5.39	33.22	332	213	P	V
		2387.56	42.41	-11.59	54	43.01	27.23	5.39	33.22	332	213	A	V
	*	2437	107.83	-	-	108.23	27.37	5.42	33.19	332	213	P	V
	*	2437	99.95	-	-	100.35	27.37	5.42	33.19	332	213	A	V
		2486.07	53.22	-20.78	74	53.47	27.46	5.46	33.17	332	213	P	V
		2485.65	43.58	-10.42	54	43.83	27.46	5.46	33.17	332	213	A	V



802.11g CH 11 2462MHz	*	2462	110.01	-	-	110.34	27.41	5.44	33.18	100	294	P	H
	*	2462	102.13	-	-	102.46	27.41	5.44	33.18	100	294	A	H
		2484.44	62.2	-11.8	74	62.45	27.46	5.46	33.17	100	294	P	H
		2483.56	51.28	-2.72	54	51.53	27.46	5.46	33.17	100	294	A	H
													H
													H
	*	2462	107.75	-	-	108.08	27.41	5.44	33.18	361	212	P	V
	*	2462	99.64	-	-	99.97	27.41	5.44	33.18	361	212	A	V
		2484.08	58.87	-15.13	74	59.12	27.46	5.46	33.17	361	212	P	V
		2483.56	48.94	-5.06	54	49.19	27.46	5.46	33.17	361	212	A	V
													V
													V
802.11g CH 12 2467MHz	*	2467	105.11	-	-	105.43	27.41	5.44	33.17	100	294	P	H
	*	2467	97.41	-	-	97.73	27.41	5.44	33.17	100	294	A	H
		2483.68	65.76	-8.24	74	66.01	27.46	5.46	33.17	100	294	P	H
		2483.6	52.85	-1.15	54	53.1	27.46	5.46	33.17	100	294	A	H
													H
													H
	*	2467	103.55	-	-	103.87	27.41	5.44	33.17	362	218	P	V
	*	2467	96.04	-	-	96.36	27.41	5.44	33.17	362	218	A	V
		2483.56	64.01	-9.99	74	64.26	27.46	5.46	33.17	362	218	P	V
		2483.6	51.96	-2.04	54	52.21	27.46	5.46	33.17	362	218	A	V
													V
													V



802.11g CH 13 2472MHz	*	2472	89.41	-	-	89.68	27.46	5.44	33.17	100	295	P	H
	*	2472	81.73	-	-	82	27.46	5.44	33.17	100	295	A	H
		2484.36	64.39	-9.61	74	64.64	27.46	5.46	33.17	100	295	P	H
		2483.68	52.79	-1.21	54	53.04	27.46	5.46	33.17	100	295	A	H
													H
													H
	*	2472	87.69	-	-	87.96	27.46	5.44	33.17	367	223	P	V
	*	2472	79.83	-	-	80.1	27.46	5.44	33.17	367	223	A	V
		2483.8	62.55	-11.45	74	62.8	27.46	5.46	33.17	367	223	P	V
		2483.52	51.44	-2.56	54	51.69	27.46	5.46	33.17	367	223	A	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 802.11g (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	34.81	-39.19	74	46.95	31.46	7.58	51.18	100	0	P	H
													H
													H
													H
		4824	34.99	-39.01	74	47.13	31.46	7.58	51.18	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	33.6	-40.4	74	45.49	31.56	7.7	51.15	100	0	P	H
		7311	41.81	-32.19	74	46.94	36.18	9.49	50.8	100	0	P	H
													H
													H
		4874	32.88	-41.12	74	44.77	31.56	7.7	51.15	100	0	P	V
		7311	41.36	-32.64	74	46.49	36.18	9.49	50.8	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	36.26	-37.74	74	47.8	31.66	7.93	51.13	100	0	P	H
		7386	42.12	-31.88	74	47.02	36.37	9.53	50.8	100	0	P	H
													H
													H
		4924	34.9	-39.1	74	46.44	31.66	7.93	51.13	100	0	P	V
		7386	42.15	-31.85	74	47.05	36.37	9.53	50.8	100	0	P	V
													V
													V



802.11g CH 12 2467MHz		4934	34.04	-39.96	74	45.58	31.66	7.93	51.13	100	0	P	H
		7401	42.37	-31.63	74	47.15	36.41	9.61	50.8	100	0	P	H
													H
													H
		4934	34.85	-39.15	74	46.39	31.66	7.93	51.13	100	0	P	V
		7401	40.8	-33.2	74	45.58	36.41	9.61	50.8	100	0	P	V
													V
													V
802.11g CH 13 2472MHz		4944	35.35	-38.65	74	46.85	31.7	7.93	51.13	100	0	P	H
		7416	41.26	-32.74	74	46.04	36.41	9.61	50.8	100	0	P	H
													H
													H
		4944	36.66	-37.34	74	48.16	31.7	7.93	51.13	100	0	P	V
		7416	41.03	-32.97	74	45.81	36.41	9.61	50.8	100	0	P	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable 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	59.76	-14.24	74	60.36	27.23	5.39	33.22	114	293	P	H
		2390	49.47	-4.53	54	50.06	27.23	5.39	33.21	114	293	A	H
	*	2412	108.32	-	-	108.83	27.28	5.42	33.21	114	293	P	H
	*	2412	100.96	-	-	101.47	27.28	5.42	33.21	114	293	A	H
													H
													H
		2389.38	58.32	-15.68	74	58.92	27.23	5.39	33.22	329	217	P	V
		2390	47.13	-6.87	54	47.72	27.23	5.39	33.21	329	217	A	V
	*	2412	107.26	-	-	107.77	27.28	5.42	33.21	329	217	P	V
	*	2412	99.56	-	-	100.07	27.28	5.42	33.21	329	217	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2378.88	53.04	-20.96	74	53.68	27.19	5.39	33.22	108	292	P	H
		2388.54	43.38	-10.62	54	43.98	27.23	5.39	33.22	108	292	A	H
	*	2437	108.29	-	-	108.69	27.37	5.42	33.19	108	292	P	H
	*	2437	100.54	-	-	100.94	27.37	5.42	33.19	108	292	A	H
		2486.28	55.63	-18.37	74	55.88	27.46	5.46	33.17	108	292	P	H
		2483.83	45.17	-8.83	54	45.42	27.46	5.46	33.17	108	292	A	H
		2379.86	52.01	-21.99	74	52.65	27.19	5.39	33.22	334	215	P	V
		2388.54	42.72	-11.28	54	43.32	27.23	5.39	33.22	334	215	A	V
	*	2437	107.33	-	-	107.73	27.37	5.42	33.19	334	215	P	V
	*	2437	99.57	-	-	99.97	27.37	5.42	33.19	334	215	A	V
		2491.81	53.68	-20.32	74	53.88	27.5	5.46	33.16	334	215	P	V
		2485.93	43.64	-10.36	54	43.89	27.46	5.46	33.17	334	215	A	V



802.11n HT20 CH 11 2462MHz	*	2462	108.5	-	-	108.83	27.41	5.44	33.18	131	293	P	H
	*	2462	100.82	-	-	101.15	27.41	5.44	33.18	131	293	A	H
		2483.6	62.54	-11.46	74	62.79	27.46	5.46	33.17	131	293	P	H
		2483.52	51.14	-2.86	54	51.39	27.46	5.46	33.17	131	293	A	H
													H
													H
	*	2462	106.61	-	-	106.94	27.41	5.44	33.18	327	213	P	V
	*	2462	98.72	-	-	99.05	27.41	5.44	33.18	327	213	A	V
		2484.24	62.23	-11.77	74	62.48	27.46	5.46	33.17	327	213	P	V
		2483.84	49.24	-4.76	54	49.49	27.46	5.46	33.17	327	213	A	V
													V
													V
802.11n HT20 CH 12 2467MHz	*	2467	104.32	-	-	104.64	27.41	5.44	33.17	100	296	P	H
	*	2467	96.61	-	-	96.93	27.41	5.44	33.17	100	296	A	H
		2483.56	64.37	-9.63	74	64.62	27.46	5.46	33.17	100	296	P	H
		2483.52	52.92	-1.08	54	53.17	27.46	5.46	33.17	100	296	A	H
													H
													H
	*	2467	102.04	-	-	102.36	27.41	5.44	33.17	358	226	P	V
	*	2467	94.67	-	-	94.99	27.41	5.44	33.17	358	226	A	V
		2483.92	62.8	-11.2	74	63.05	27.46	5.46	33.17	358	226	P	V
		2483.52	51.56	-2.44	54	51.81	27.46	5.46	33.17	358	226	A	V
													V
													V



802.11n HT20 CH 13 2472MHz	*	2472	89.42	-	-	89.69	27.46	5.44	33.17	100	295	P	H
	*	2472	81.38	-	-	81.65	27.46	5.44	33.17	100	295	A	H
		2484.32	66.25	-7.75	74	66.5	27.46	5.46	33.17	100	295	P	H
		2483.52	52.85	-1.15	54	53.1	27.46	5.46	33.17	100	295	A	H
													H
													H
	*	2476	86.84	-	-	87.11	27.46	5.44	33.17	321	219	P	V
	*	2476	78.67	-	-	78.94	27.46	5.44	33.17	321	219	A	V
		2484	62.84	-11.16	74	63.09	27.46	5.46	33.17	321	219	P	V
		2483.52	50.13	-3.87	54	50.38	27.46	5.46	33.17	321	219	A	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 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		4824	34.95	-39.05	74	47.09	31.46	7.58	51.18	100	0	P	H
													H
													H
													H
		4824	35.05	-38.95	74	47.19	31.46	7.58	51.18	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4874	33.4	-40.6	74	45.29	31.56	7.7	51.15	100	0	P	H
		7311	43.03	-30.97	74	48.16	36.18	9.49	50.8	100	0	P	H
													H
													H
		4874	33.59	-40.41	74	45.48	31.56	7.7	51.15	100	0	P	V
		7311	43.41	-30.59	74	48.54	36.18	9.49	50.8	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4924	35.93	-38.07	74	47.47	31.66	7.93	51.13	100	0	P	H
		7386	41.14	-32.86	74	46.04	36.37	9.53	50.8	100	0	P	H
													H
													H
		4924	35.5	-38.5	74	47.04	31.66	7.93	51.13	100	0	P	V
		7386	42.05	-31.95	74	46.95	36.37	9.53	50.8	100	0	P	V
													V
													V



802.11n HT20 CH 12 2467MHz		4934	35.11	-38.89	74	46.65	31.66	7.93	51.13	100	0	P	H
		7401	41.35	-32.65	74	46.13	36.41	9.61	50.8	100	0	P	H
													H
													H
		4934	35.58	-38.42	74	47.12	31.66	7.93	51.13	100	0	P	V
		7401	41.69	-32.31	74	46.47	36.41	9.61	50.8	100	0	P	V
													V
													V
802.11n HT20 CH 13 2472MHz		4944	36.06	-37.94	74	47.56	31.7	7.93	51.13	100	0	P	H
		7416	42.15	-31.85	74	46.93	36.41	9.61	50.8	100	0	P	H
													H
													H
		4944	35.43	-38.57	74	46.93	31.7	7.93	51.13	100	0	P	V
		7416	41.28	-32.72	74	46.06	36.41	9.61	50.8	100	0	P	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 HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		2387.14	62.28	-11.72	74	62.88	27.23	5.39	33.22	106	291	P	H
		2387.56	53	-1	54	53.6	27.23	5.39	33.22	106	291	A	H
	*	2422	106.16	-	-	106.61	27.32	5.42	33.19	106	291	P	H
	*	2422	98.4	-	-	98.85	27.32	5.42	33.19	106	291	A	H
		2488.17	56.1	-17.9	74	56.31	27.5	5.46	33.17	106	291	P	H
		2484.04	46.11	-7.89	54	46.36	27.46	5.46	33.17	106	291	A	H
		2383.5	61.71	-12.29	74	62.35	27.19	5.39	33.22	332	213	P	V
		2388.54	51.55	-2.45	54	52.15	27.23	5.39	33.22	332	213	A	V
	*	2422	105.21	-	-	105.66	27.32	5.42	33.19	332	213	P	V
	*	2422	97.59	-	-	98.04	27.32	5.42	33.19	332	213	A	V
		2489.78	53.56	-20.44	74	53.77	27.5	5.46	33.17	332	213	P	V
		2484.25	45.53	-8.47	54	45.78	27.46	5.46	33.17	332	213	A	V
802.11n HT40 CH 06 2437MHz		2387.28	56.92	-17.08	74	57.52	27.23	5.39	33.22	107	290	P	H
		2389.94	48.77	-5.23	54	49.36	27.23	5.39	33.21	107	290	A	H
	*	2437	106.09	-	-	106.49	27.37	5.42	33.19	107	290	P	H
	*	2437	98.33	-	-	98.73	27.37	5.42	33.19	107	290	A	H
		2484.81	58.28	-15.72	74	58.53	27.46	5.46	33.17	107	290	P	H
		2484.25	49.94	-4.06	54	50.19	27.46	5.46	33.17	107	290	A	H
		2386.86	54.95	-19.05	74	55.55	27.23	5.39	33.22	331	213	P	V
		2388.54	46.44	-7.56	54	47.04	27.23	5.39	33.22	331	213	A	V
	*	2437	104.85	-	-	105.25	27.37	5.42	33.19	331	213	P	V
	*	2437	97.28	-	-	97.68	27.37	5.42	33.19	331	213	A	V
		2484.32	56.67	-17.33	74	56.92	27.46	5.46	33.17	331	213	P	V
		2483.55	47.77	-6.23	54	48.02	27.46	5.46	33.17	331	213	A	V



802.11n HT40 CH 09 2452MHz		2388.12	53.96	-20.04	74	54.56	27.23	5.39	33.22	131	291	P	H
		2386.86	44.98	-9.02	54	45.58	27.23	5.39	33.22	131	291	A	H
	*	2452	104.61	-	-	104.98	27.37	5.44	33.18	131	291	P	H
	*	2452	96.88	-	-	97.25	27.37	5.44	33.18	131	291	A	H
		2483.76	61.79	-12.21	74	62.04	27.46	5.46	33.17	131	291	P	H
		2486.21	52.98	-1.02	54	53.23	27.46	5.46	33.17	131	291	A	H
		2388.96	51.97	-22.03	74	52.57	27.23	5.39	33.22	327	214	P	V
		2388.82	43.56	-10.44	54	44.16	27.23	5.39	33.22	327	214	A	V
	*	2452	103.34	-	-	103.73	27.37	5.42	33.18	327	214	P	V
	*	2452	95.59	-	-	95.98	27.37	5.42	33.18	327	214	A	V
		2485.02	59.89	-14.11	74	60.14	27.46	5.46	33.17	327	214	P	V
		2484.46	51	-3	54	51.25	27.46	5.46	33.17	327	214	A	V
802.11n HT40 CH 10 2457MHz		2388.96	51.89	-22.11	74	52.49	27.23	5.39	33.22	100	296	P	H
		2389.52	42.83	-11.17	54	43.43	27.23	5.39	33.22	100	296	A	H
	*	2457	100.21	-	-	100.54	27.41	5.44	33.18	100	296	P	H
	*	2457	92.33	-	-	92.66	27.41	5.44	33.18	100	296	A	H
		2483.55	60.59	-13.41	74	60.84	27.46	5.46	33.17	100	296	P	H
		2483.5	52.34	-1.66	54	52.59	27.46	5.46	33.17	100	296	A	H
		2366.14	51.26	-22.74	74	51.95	27.14	5.39	33.22	361	221	P	V
		2385.32	42.29	-11.71	54	42.93	27.19	5.39	33.22	361	221	A	V
	*	2457	98.11	-	-	98.44	27.41	5.44	33.18	361	221	P	V
	*	2457	90.08	-	-	90.41	27.41	5.44	33.18	361	221	A	V
		2483.55	59.55	-14.45	74	59.8	27.46	5.46	33.17	361	221	P	V
		2483.5	50.14	-3.86	54	50.39	27.46	5.46	33.17	361	221	A	V



802.11n HT40 CH 11 2462MHz		2386.72	50.96	-23.04	74	51.56	27.23	5.39	33.22	100	299	P	H
		2384.9	41.9	-12.1	54	42.54	27.19	5.39	33.22	100	299	A	H
	*	2462	85.23	-	-	85.56	27.41	5.44	33.18	100	299	P	H
	*	2462	77.53	-	-	77.86	27.41	5.44	33.18	100	299	A	H
		2483.83	61.2	-12.8	74	61.45	27.46	5.46	33.17	100	299	P	H
		2483.62	52.74	-1.26	54	52.99	27.46	5.46	33.17	100	299	A	H
		2373.14	51.12	-22.88	74	51.76	27.19	5.39	33.22	360	221	P	V
		2389.38	41.89	-12.11	54	42.49	27.23	5.39	33.22	360	221	A	V
	*	2462	82.72	-	-	83.05	27.41	5.44	33.18	360	221	P	V
	*	2462	75.25	-	-	75.58	27.41	5.44	33.18	360	221	A	V
		2483.62	58.74	-15.26	74	58.99	27.46	5.46	33.17	360	221	P	V
		2483.62	50.73	-3.27	54	50.98	27.46	5.46	33.17	360	221	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		4844	35.86	-38.14	74	47.83	31.49	7.7	51.16	100	0	P	H
		7266	40.85	-33.15	74	46.08	36.11	9.46	50.8	100	0	P	H
													H
													H
		4844	34.8	-39.2	74	46.77	31.49	7.7	51.16	100	0	P	V
		7266	41.55	-32.45	74	46.78	36.11	9.46	50.8	100	0	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4874	33.45	-40.55	74	45.34	31.56	7.7	51.15	100	0	P	H
		7311	41.37	-32.63	74	46.5	36.18	9.49	50.8	100	0	P	H
													H
													H
		4874	34.01	-39.99	74	45.9	31.56	7.7	51.15	100	0	P	V
		7311	41.1	-32.9	74	46.23	36.18	9.49	50.8	100	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4904	35.3	-38.7	74	47	31.63	7.82	51.15	100	0	P	H
		7356	41.63	-32.37	74	46.62	36.3	9.51	50.8	100	0	P	H
													H
													H
		4904	35.2	-38.8	74	46.9	31.63	7.82	51.15	100	0	P	V
		7356	41.52	-32.48	74	46.51	36.3	9.51	50.8	100	0	P	V
													V
													V



802.11n HT40 CH 10 2457MHz		4914	35.02	-38.98	74	46.7	31.63	7.82	51.13	100	0	P	H
		7371	40.69	-33.31	74	45.63	36.33	9.53	50.8	100	0	P	H
													H
													H
		4914	34.53	-39.47	74	46.21	31.63	7.82	51.13	100	0	P	V
		7371	41.34	-32.66	74	46.28	36.33	9.53	50.8	100	0	P	V
													V
													V
802.11n HT40 CH 11 2462MHz		4924	35.8	-38.2	74	47.34	31.66	7.93	51.13	100	0	P	H
		7386	41.46	-32.54	74	46.36	36.37	9.53	50.8	100	0	P	H
													H
													H
		4924	35.87	-38.13	74	47.41	31.66	7.93	51.13	100	0	P	V
		7386	41.44	-32.56	74	46.34	36.37	9.53	50.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

2.4GHz WIFI 802.11n HT40 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11n HT40 LF		34.05	23.48	-16.52	40	31.72	23.86	0.65	32.75	-	-	P	H
		196.32	32.44	-11.06	43.5	47.87	15.84	1.48	32.75	100	0	P	H
		270.3	32.14	-13.86	46	43.71	19.39	1.76	32.72	-	-	P	H
		342.7	32.85	-13.15	46	42.67	20.97	1.94	32.73	-	-	P	H
		400.1	32.08	-13.92	46	40.29	22.42	2.13	32.76	-	-	P	H
		946.1	32.01	-13.99	46	30.61	29.9	3.29	31.79	-	-	P	H
													H
													H
													H
													H
													H
													H
		48.9	27.27	-12.73	40	43.05	16.03	0.93	32.74	100	0	P	V
		196.05	26.76	-16.74	43.5	42.19	15.84	1.48	32.75	-	-	P	V
		269.76	27.82	-18.18	46	39.38	19.4	1.76	32.72	-	-	P	V
		365.1	30.18	-15.82	46	39.24	21.55	2.13	32.74	-	-	P	V
		538	26.85	-19.15	46	32.88	24.43	2.47	32.93	-	-	P	V
		932.8	30.68	-15.32	46	29.75	29.57	3.29	31.93	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		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. Level(dBμV/m) =

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

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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. Over Limit(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) + Cable 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. Over Limit(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”.



<Ant. 2>

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		2386.72	59.4	-14.6	74	60	27.23	5.39	33.22	130	217	P	H
		2388.54	49.22	-4.78	54	49.82	27.23	5.39	33.22	130	217	A	H
	*	2422	104.62	-	-	105.07	27.32	5.42	33.19	130	217	P	H
	*	2422	96.49	-	-	96.94	27.32	5.42	33.19	130	217	A	H
		2484.04	52.51	-21.49	74	52.76	27.46	5.46	33.17	130	217	P	H
		2488.17	43.83	-10.17	54	44.04	27.5	5.46	33.17	130	217	A	H
		2384.2	57.74	-16.26	74	58.38	27.19	5.39	33.22	381	177	P	V
		2389.38	48.52	-5.48	54	49.12	27.23	5.39	33.22	381	177	A	V
	*	2422	105.17	-	-	105.62	27.32	5.42	33.19	381	177	P	V
	*	2422	97.09	-	-	97.54	27.32	5.42	33.19	381	177	A	V
		2491.67	52.87	-21.13	74	53.08	27.5	5.46	33.17	381	177	P	V
		2488.52	43.53	-10.47	54	43.74	27.5	5.46	33.17	381	177	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. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		4844	36.12	-37.88	74	48.09	31.49	7.7	51.16	100	0	P	H
		7266	40.86	-33.14	74	46.09	36.11	9.46	50.8	100	0	P	H
													H
													H
		4844	34.68	-39.32	74	46.65	31.49	7.7	51.16	100	0	P	V
		7266	41.26	-32.74	74	46.49	36.11	9.46	50.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

2.4GHz WIFI 802.11n HT40 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11n HT40 LF		30.54	23.53	-16.47	40	30.1	25.54	0.65	32.76	-	-	P	H
		197.13	31.17	-12.33	43.5	46.56	15.88	1.48	32.75	100	0	P	H
		270.57	32.07	-13.93	46	43.64	19.39	1.76	32.72	-	-	P	H
		342.7	33.02	-12.98	46	42.84	20.97	1.94	32.73	-	-	P	H
		405	31.92	-14.08	46	40.04	22.49	2.16	32.77	-	-	P	H
		909.7	31.02	-14.98	46	31.05	28.95	3.2	32.18	-	-	P	H
													H
													H
													H
													H
													H
													H
		48.9	27.03	-12.97	40	42.81	16.03	0.93	32.74	100	0	P	V
		196.86	25.56	-17.94	43.5	40.95	15.88	1.48	32.75	-	-	P	V
		269.49	25.56	-20.44	46	37.12	19.4	1.76	32.72	-	-	P	V
		373.5	30.91	-15.09	46	39.77	21.76	2.13	32.75	-	-	P	V
		782.3	29.56	-16.44	46	31.75	27.76	2.97	32.92	-	-	P	V
		949.6	31.81	-14.19	46	30.27	30	3.29	31.75	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
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. Level(dBμV/m) =

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

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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. Over Limit(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) + Cable 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. Over Limit(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”.



MIMO <Ant. 1+2>

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		2389.695	59.28	-14.72	74	59.88	27.23	5.39	33.22	110	299	P	H
		2389.485	48.51	-5.49	54	49.11	27.23	5.39	33.22	110	299	A	H
	*	2412	109.63	-	-	110.14	27.28	5.42	33.21	110	299	P	H
	*	2412	100.85	-	-	101.36	27.28	5.42	33.21	110	299	A	H
													H
													H
		2390	55.58	-18.42	74	56.17	27.23	5.39	33.21	304	181	P	V
		2389.8	47.17	-6.83	54	47.76	27.23	5.39	33.21	304	181	A	V
	*	2412	108.61	-	-	109.12	27.28	5.42	33.21	304	181	P	V
	*	2412	99.22	-	-	99.73	27.28	5.42	33.21	304	181	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2387.84	52.28	-21.72	74	52.88	27.23	5.39	33.22	109	299	P	H
		2388.26	44.34	-9.66	54	44.94	27.23	5.39	33.22	109	299	A	H
	*	2437	109.5	-	-	109.9	27.37	5.42	33.19	109	299	P	H
	*	2437	101.2	-	-	101.6	27.37	5.42	33.19	109	299	A	H
		2486.14	54.82	-19.18	74	55.07	27.46	5.46	33.17	109	299	P	H
		2488.66	45.13	-8.87	54	45.34	27.5	5.46	33.17	109	299	A	H
		2387	51.83	-22.17	74	52.43	27.23	5.39	33.22	303	175	P	V
		2383.78	43.18	-10.82	54	43.82	27.19	5.39	33.22	303	175	A	V
	*	2437	107.36	-	-	107.76	27.37	5.42	33.19	303	175	P	V
	*	2437	99.4	-	-	99.8	27.37	5.42	33.19	303	175	A	V
		2486.84	52.95	-21.05	74	53.2	27.46	5.46	33.17	303	175	P	V
		2486.56	43.92	-10.08	54	44.17	27.46	5.46	33.17	303	175	A	V



802.11n HT20 CH 11 2462MHz	*	2462	110.05	-	-	110.38	27.41	5.44	33.18	100	289	P	H
	*	2462	101.72	-	-	102.05	27.41	5.44	33.18	100	289	A	H
		2484.4	58.86	-15.14	74	59.11	27.46	5.46	33.17	100	289	P	H
		2483.84	50.17	-3.83	54	50.42	27.46	5.46	33.17	100	289	A	H
													H
													H
	*	2462	107.23	-	-	107.56	27.41	5.44	33.18	294	181	P	V
	*	2462	99.29	-	-	99.62	27.41	5.44	33.18	294	181	A	V
		2493.6	57.25	-16.75	74	57.45	27.5	5.46	33.16	294	181	P	V
		2483.52	47.54	-6.46	54	47.79	27.46	5.46	33.17	294	181	A	V
													V
													V
802.11n HT20 CH 12 2467MHz	*	2467	104.14	-	-	104.46	27.41	5.44	33.17	100	297	P	H
	*	2467	96.13	-	-	96.45	27.41	5.44	33.17	100	297	A	H
		2483.84	64.07	-9.93	74	64.32	27.46	5.46	33.17	100	297	P	H
		2483.52	52.69	-1.31	54	52.94	27.46	5.46	33.17	100	297	A	H
													H
													H
	*	2467	102.58	-	-	102.9	27.41	5.44	33.17	365	187	P	V
	*	2467	93.96	-	-	94.28	27.41	5.44	33.17	365	187	A	V
		2483.76	59.96	-14.04	74	60.21	27.46	5.46	33.17	365	187	P	V
		2483.6	50.49	-3.51	54	50.74	27.46	5.46	33.17	365	187	A	V
													V
													V



802.11n HT20 CH 13 2472MHz	*	2472	89.4	-	-	89.67	27.46	5.44	33.17	100	300	P	H
	*	2472	81.18	-	-	81.45	27.46	5.44	33.17	100	300	A	H
		2483.8	65.76	-8.24	74	66.01	27.46	5.46	33.17	100	300	P	H
		2483.52	52.69	-1.31	54	52.94	27.46	5.46	33.17	100	300	A	H
													H
													H
	*	2472	87.03	-	-	87.3	27.46	5.44	33.17	368	187	P	V
	*	2472	79.04	-	-	79.31	27.46	5.44	33.17	368	187	A	V
		2483.64	60.74	-13.26	74	60.99	27.46	5.46	33.17	368	187	P	V
		2483.52	50.27	-3.73	54	50.52	27.46	5.46	33.17	368	187	A	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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		4824	35.37	-38.63	74	47.51	31.46	7.58	51.18	100	0	P	H
													H
													H
													H
		4824	36.36	-37.64	74	48.5	31.46	7.58	51.18	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4874	33.44	-40.56	74	45.33	31.56	7.7	51.15	100	0	P	H
		7311	42.39	-31.61	74	47.52	36.18	9.49	50.8	100	0	P	H
													H
													H
		4874	33.25	-40.75	74	45.14	31.56	7.7	51.15	100	0	P	V
		7311	41.51	-32.49	74	46.64	36.18	9.49	50.8	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4924	35.71	-38.29	74	47.25	31.66	7.93	51.13	100	0	P	H
		7386	41.53	-32.47	74	46.43	36.37	9.53	50.8	100	0	P	H
													H
													H
		4924	35.56	-38.44	74	47.1	31.66	7.93	51.13	100	0	P	V
		7386	41.03	-32.97	74	45.93	36.37	9.53	50.8	100	0	P	V
													V
													V



802.11n HT20 CH 12 2467MHz		4934	35.14	-38.86	74	46.68	31.66	7.93	51.13	100	0	P	H
		7401	41.21	-32.79	74	45.99	36.41	9.61	50.8	100	0	P	H
													H
													H
		4934	35.15	-38.85	74	46.69	31.66	7.93	51.13	100	0	P	V
		7401	41.33	-32.67	74	46.11	36.41	9.61	50.8	100	0	P	V
													V
													V
802.11n HT20 CH 13 2472MHz		4944	37.65	-36.35	74	49.15	31.7	7.93	51.13	100	0	P	H
		7416	41.24	-32.76	74	46.02	36.41	9.61	50.8	100	0	P	H
													H
													H
		4944	36.4	-37.6	74	47.9	31.7	7.93	51.13	100	0	P	V
		7416	40.82	-33.18	74	45.6	36.41	9.61	50.8	100	0	P	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 HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		2389.94	58.88	-15.12	74	59.47	27.23	5.39	33.21	100	295	P	H
		2389.52	50.24	-3.76	54	50.84	27.23	5.39	33.22	100	295	A	H
	*	2422	105.2	-	-	105.65	27.32	5.42	33.19	100	295	P	H
	*	2422	97.02	-	-	97.47	27.32	5.42	33.19	100	295	A	H
		2499.72	53.89	-20.11	74	54.09	27.5	5.46	33.16	100	295	P	H
		2488.24	45.34	-8.66	54	45.55	27.5	5.46	33.17	100	295	A	H
		2384.62	55.79	-18.21	74	56.43	27.19	5.39	33.22	300	175	P	V
		2384.2	47.97	-6.03	54	48.61	27.19	5.39	33.22	300	175	A	V
	*	2422	104.54	-	-	104.99	27.32	5.42	33.19	300	175	P	V
	*	2422	95.92	-	-	96.37	27.32	5.42	33.19	300	175	A	V
		2489.01	52.5	-21.5	74	52.71	27.5	5.46	33.17	300	175	P	V
		2487.61	43.91	-10.09	54	44.12	27.5	5.46	33.17	300	175	A	V
802.11n HT40 CH 06 2437MHz		2389.24	55.06	-18.94	74	55.66	27.23	5.39	33.22	111	293	P	H
		2389.8	45.72	-8.28	54	46.31	27.23	5.39	33.21	111	293	A	H
	*	2437	105.13	-	-	105.53	27.37	5.42	33.19	111	293	P	H
	*	2437	96.95	-	-	97.35	27.37	5.42	33.19	111	293	A	H
		2483.62	55.2	-18.8	74	55.45	27.46	5.46	33.17	111	293	P	H
		2483.69	46.01	-7.99	54	46.26	27.46	5.46	33.17	111	293	A	H
		2389.38	52.7	-21.3	74	53.3	27.23	5.39	33.22	299	177	P	V
		2389.94	44.75	-9.25	54	45.34	27.23	5.39	33.21	299	177	A	V
	*	2437	104.44	-	-	104.84	27.37	5.42	33.19	299	177	P	V
	*	2437	95.83	-	-	96.23	27.37	5.42	33.19	299	177	A	V
		2483.76	53.25	-20.75	74	53.5	27.46	5.46	33.17	299	177	P	V
		2484.53	44.96	-9.04	54	45.21	27.46	5.46	33.17	299	177	A	V



802.11n HT40 CH 09 2452MHz		2380.28	52.29	-21.71	74	52.93	27.19	5.39	33.22	100	293	P	H
		2385.6	43.79	-10.21	54	44.39	27.23	5.39	33.22	100	293	A	H
	*	2452	105.24	-	-	105.61	27.37	5.44	33.18	100	293	P	H
	*	2452	97.32	-	-	97.69	27.37	5.44	33.18	100	293	A	H
		2484.46	61.14	-12.86	74	61.39	27.46	5.46	33.17	100	293	P	H
		2483.76	52.33	-1.67	54	52.58	27.46	5.46	33.17	100	293	A	H
		2389.52	52.37	-21.63	74	52.97	27.23	5.39	33.22	300	177	P	V
		2385.88	43.18	-10.82	54	43.78	27.23	5.39	33.22	300	177	A	V
	*	2452	104.73	-	-	105.1	27.37	5.44	33.18	300	177	P	V
	*	2452	95.62	-	-	95.99	27.37	5.44	33.18	300	177	A	V
		2484.46	59.82	-14.18	74	60.07	27.46	5.46	33.17	300	177	P	V
		2483.9	49.64	-4.36	54	49.89	27.46	5.46	33.17	300	177	A	V
802.11n HT40 CH 10 2457MHz		2349.62	52.12	-21.88	74	52.92	27.1	5.33	33.23	100	297	P	H
		2386.44	42.37	-11.63	54	42.97	27.23	5.39	33.22	100	297	A	H
	*	2457	99.73	-	-	100.06	27.41	5.44	33.18	100	297	P	H
	*	2457	92.13	-	-	92.46	27.41	5.44	33.18	100	297	A	H
		2483.55	64.04	-9.96	74	64.29	27.46	5.46	33.17	100	297	P	H
		2483.5	52.45	-1.55	54	52.7	27.46	5.46	33.17	100	297	A	H
		2368.52	51.62	-22.38	74	52.26	27.19	5.39	33.22	368	195	P	V
		2384.62	42.17	-11.83	54	42.81	27.19	5.39	33.22	368	195	A	V
	*	2457	98.45	-	-	98.78	27.41	5.44	33.18	368	195	P	V
	*	2457	89.92	-	-	90.25	27.41	5.44	33.18	368	195	A	V
		2483.5	57.58	-16.42	74	57.83	27.46	5.46	33.17	368	195	P	V
		2483.5	49.02	-4.98	54	49.27	27.46	5.46	33.17	368	195	A	V



802.11n HT40 CH 11 2462MHz		2330.58	51.38	-22.62	74	52.24	27.05	5.33	33.24	100	300	P	H
		2389.1	41.82	-12.18	54	42.42	27.23	5.39	33.22	100	300	A	H
	*	2462	85.77	-	-	86.1	27.41	5.44	33.18	100	300	P	H
	*	2462	77.96	-	-	78.29	27.41	5.44	33.18	100	300	A	H
		2483.83	61.2	-12.8	74	61.45	27.46	5.46	33.17	100	300	P	H
		2483.55	52.48	-1.52	54	52.73	27.46	5.46	33.17	100	300	A	H
		2328.76	50.9	-23.1	74	51.76	27.05	5.33	33.24	362	204	P	V
		2364.6	41.96	-12.04	54	42.65	27.14	5.39	33.22	362	204	A	V
	*	2462	83.81	-	-	84.14	27.41	5.44	33.18	362	204	P	V
	*	2462	75.48	-	-	75.81	27.41	5.44	33.18	362	204	A	V
		2483.62	58.09	-15.91	74	58.34	27.46	5.46	33.17	362	204	P	V
		2483.55	49.82	-4.18	54	50.07	27.46	5.46	33.17	362	204	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)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		4844	34.95	-39.05	74	46.92	31.49	7.7	51.16	100	0	P	H
		7266	40.89	-33.11	74	46.12	36.11	9.46	50.8	100	0	P	H
													H
													H
		4844	36.03	-37.97	74	48	31.49	7.7	51.16	100	0	P	V
		7266	42.23	-31.77	74	47.46	36.11	9.46	50.8	100	0	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4874	33.66	-40.34	74	45.55	31.56	7.7	51.15	100	0	P	H
		7311	41.66	-32.34	74	46.79	36.18	9.49	50.8	100	0	P	H
													H
													H
		4874	33.74	-40.26	74	45.63	31.56	7.7	51.15	100	0	P	V
		7311	40.38	-33.62	74	45.51	36.18	9.49	50.8	100	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4904	35.79	-38.21	74	47.49	31.63	7.82	51.15	100	0	P	H
		7356	41.71	-32.29	74	46.7	36.3	9.51	50.8	100	0	P	H
													H
													H
		4904	35.07	-38.93	74	46.77	31.63	7.82	51.15	100	0	P	V
		7356	41.49	-32.51	74	46.48	36.3	9.51	50.8	100	0	P	V
													V
													V



802.11n HT40 CH 10 2457MHz		4914	35.28	-38.72	74	46.96	31.63	7.82	51.13	100	0	P	H
		7371	41	-33	74	45.94	36.33	9.53	50.8	100	0	P	H
													H
													H
		4914	35.2	-38.8	74	46.88	31.63	7.82	51.13	100	0	P	V
		7371	41.14	-32.86	74	46.08	36.33	9.53	50.8	100	0	P	V
													V
													V
802.11n HT40 CH 11 2462MHz		4924	36.28	-37.72	74	47.82	31.66	7.93	51.13	100	0	P	H
		7386	41.21	-32.79	74	46.11	36.37	9.53	50.8	100	0	P	H
													H
													H
		4924	35.5	-38.5	74	47.04	31.66	7.93	51.13	100	0	P	V
		7386	41.46	-32.54	74	46.36	36.37	9.53	50.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1 GHz

2.4GHz WIFI 802.11n HT20 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	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)
2.4GHz 802.11n HT20 LF		30.81	24.08	-15.92	40	30.64	25.54	0.65	32.75	-	-	P	H
		197.94	31.64	-11.86	43.5	46.99	15.92	1.48	32.75	100	0	P	H
		270.3	32.78	-13.22	46	44.35	19.39	1.76	32.72	-	-	P	H
		341.3	32.67	-13.33	46	42.52	20.94	1.94	32.73	-	-	P	H
		405.7	31.78	-14.22	46	39.9	22.49	2.16	32.77	-	-	P	H
		881	30.62	-15.38	46	31.17	28.7	3.16	32.41	-	-	P	H
													H
													H
													H
													H
													H
													H
		48.9	27.37	-12.63	40	43.15	16.03	0.93	32.74	100	0	P	V
		198.21	25.6	-17.9	43.5	40.95	15.92	1.48	32.75	-	-	P	V
		270.03	25.63	-20.37	46	37.19	19.4	1.76	32.72	-	-	P	V
		376.3	30.66	-15.34	46	39.44	21.84	2.13	32.75	-	-	P	V
		784.4	29.04	-16.96	46	31.2	27.78	2.97	32.91	-	-	P	V
		945.4	31.32	-14.68	46	29.93	29.9	3.29	31.8	-	-	P	V
													V
													V
													V
													V
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	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. Level(dBμV/m) =

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

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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. Over Limit(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) + Cable 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. Over Limit(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 B. Radiated Spurious Emission Plots

Test Engineer :	Tsung Lee, Stan Hsieh and Kyle Jhuang	Temperature :	21~23°C
		Relative Humidity :	45~49%

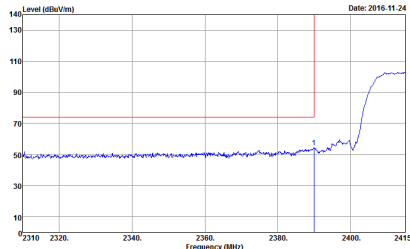
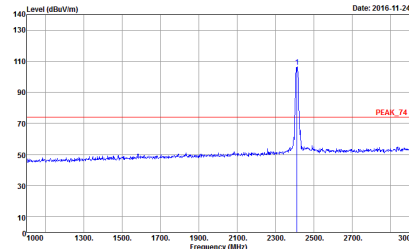
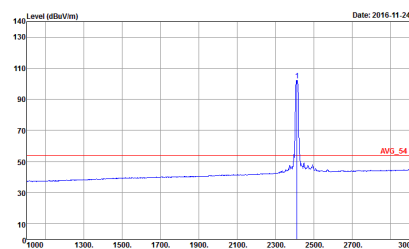
Note symbol

-L	Low channel location
-R	High channel location

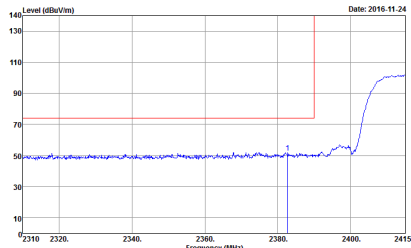
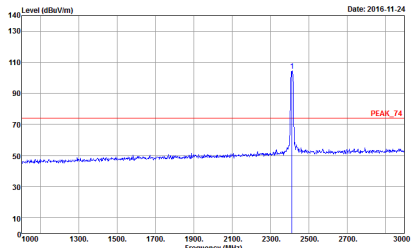
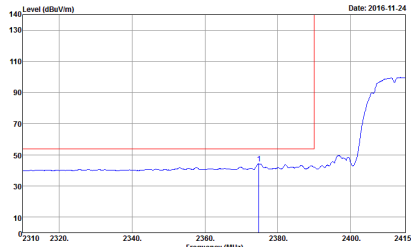
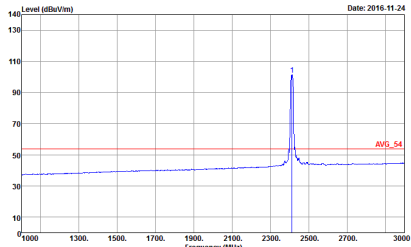
<Ant. 1>

2.4GHz 2400~2483.5MHz

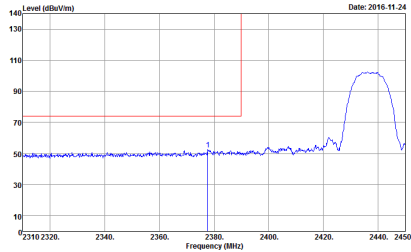
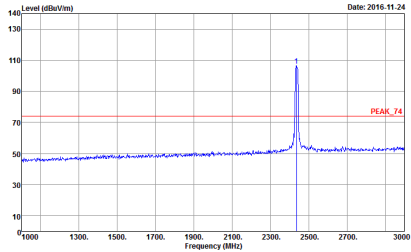
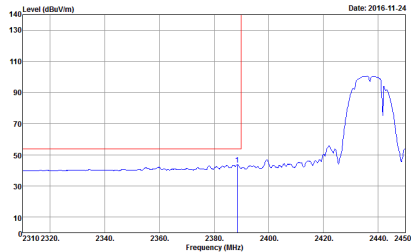
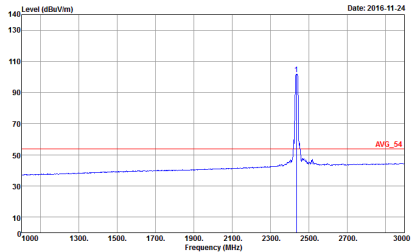
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-1V Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 6N0303-01 Mode : 7	 Site : 03CH10-1V Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 6N0303-01 Mode : 7
Avg.	 Site : 03CH10-1V Condition : AV6_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 6N0303-01 Mode : 7	 Site : 03CH10-1V Condition : AV6_54 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 6N0303-01 Mode : 7

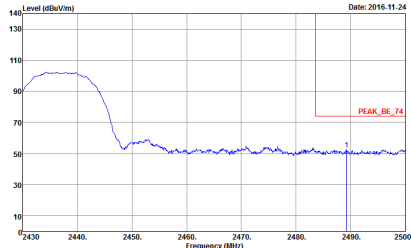
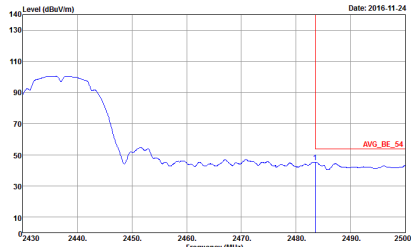


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 7	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 7
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 7	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 7

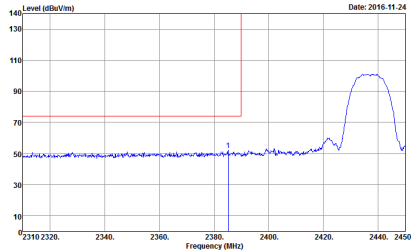
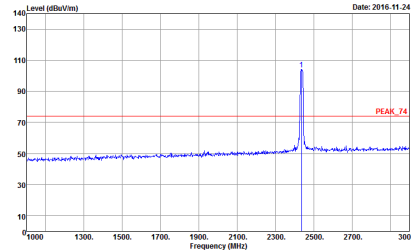
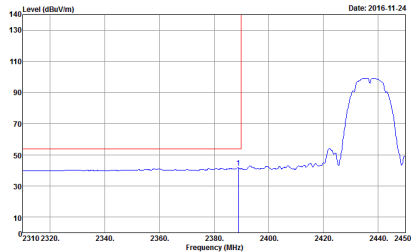
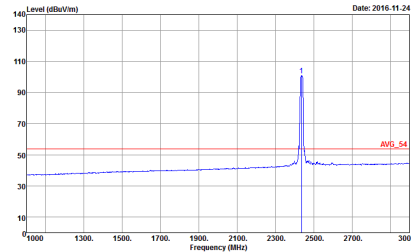


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8

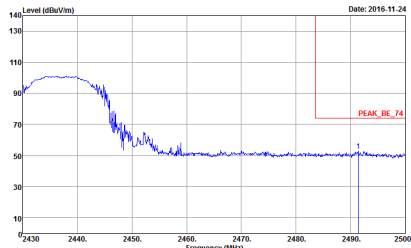
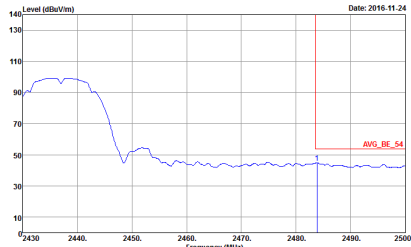


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 2016-11-24 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	Left blank
Avg.	 Date: 2016-11-24 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	Left blank

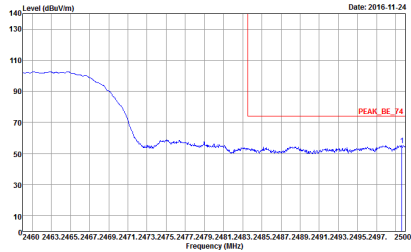
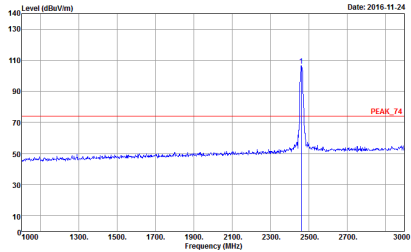
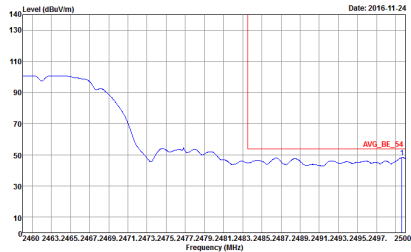
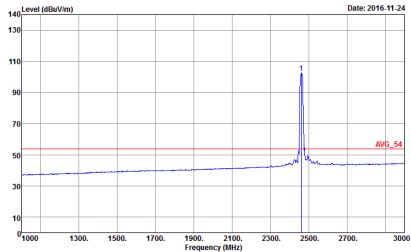


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 2437 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the peak level at approximately 135 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 2437 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the peak level at approximately 135 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the average level at approximately 135 dBuV/m. Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the average level at approximately 135 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8

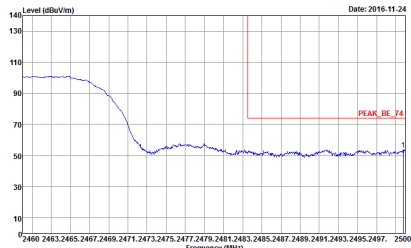
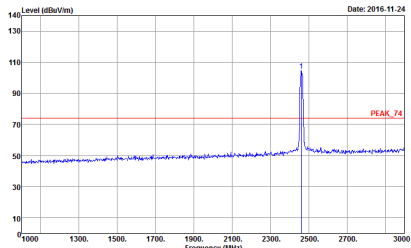
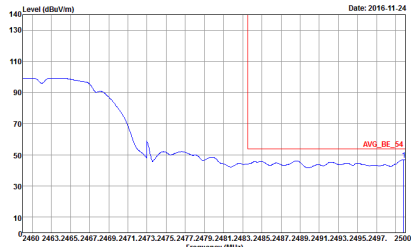
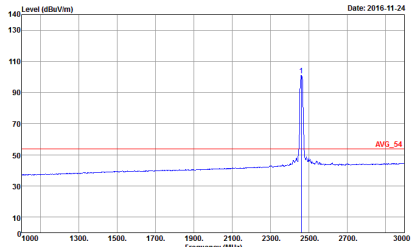


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 8	Left blank

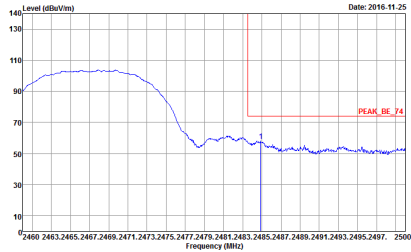
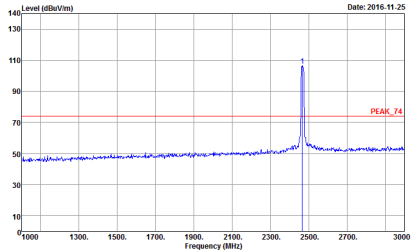
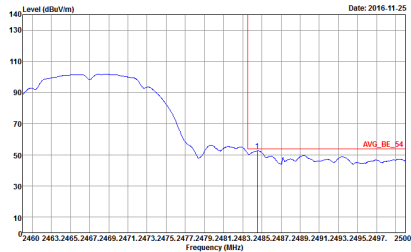
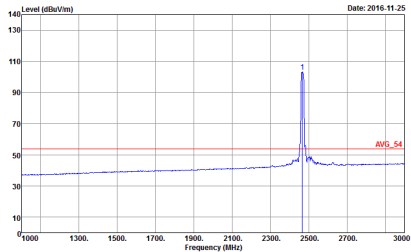


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-24 PEAK_BE_74 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-24 PEAK_74 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-24 AVG_BE_54 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-24 AVG_54 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9

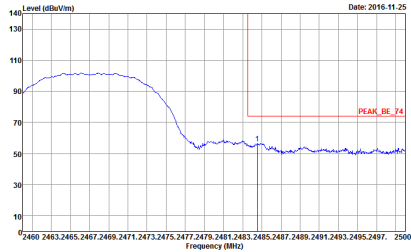
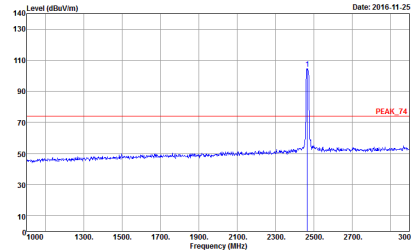
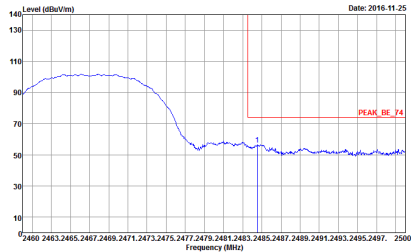
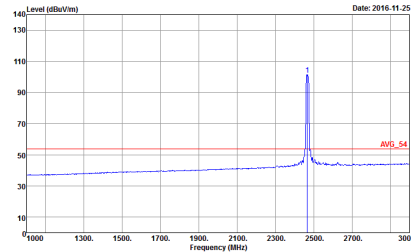


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical Peak. The plot shows a blue line representing the spectrum with a sharp peak at 2462 MHz. A red horizontal line indicates the peak level at approximately 110 dBuV/m. The x-axis ranges from 2460 to 2500 MHz, and the y-axis ranges from 10 to 140 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical Fundamental. The plot shows a blue line representing the spectrum with a sharp peak at 2462 MHz. A red horizontal line indicates the peak level at approximately 110 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 10 to 140 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical Average. The plot shows a blue line representing the spectrum with a sharp peak at 2462 MHz. A red horizontal line indicates the average level at approximately 110 dBuV/m. The x-axis ranges from 2460 to 2500 MHz, and the y-axis ranges from 10 to 140 dBuV/m. Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical Average. The plot shows a blue line representing the spectrum with a sharp peak at 2462 MHz. A red horizontal line indicates the average level at approximately 110 dBuV/m. The x-axis ranges from 1000 to 3000 MHz, and the y-axis ranges from 10 to 140 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 9

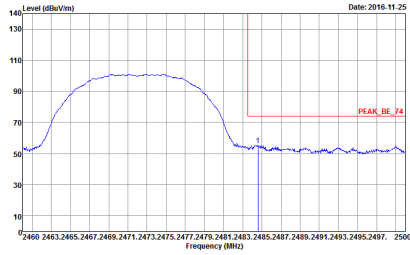
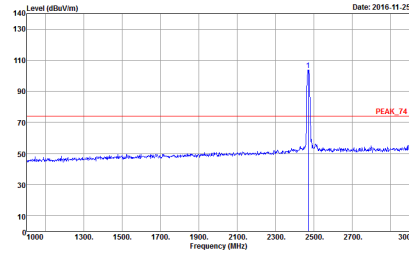
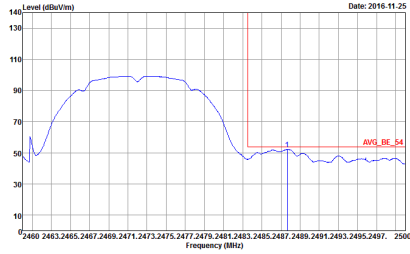
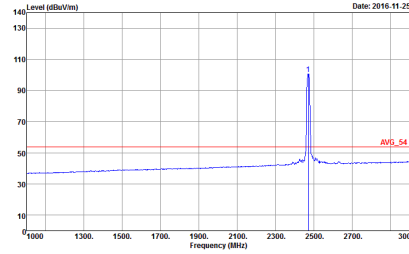


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the peak level at approximately 74 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z6	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the peak level at approximately 74 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z6
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the average level at approximately 54 dBuV/m. Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z6	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the average level at approximately 54 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z6

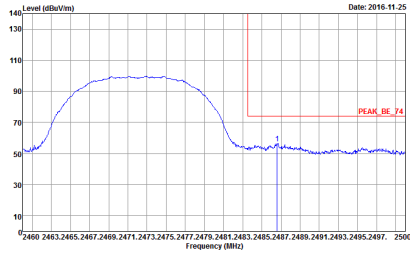
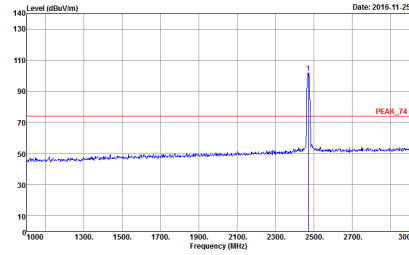
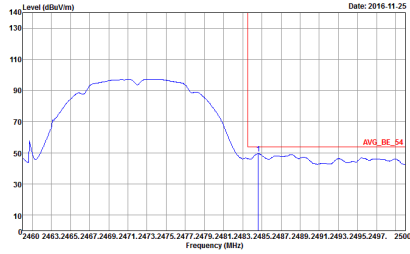
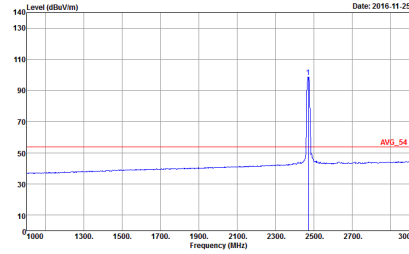


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z6	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z6
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the average level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z6	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the average level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z6

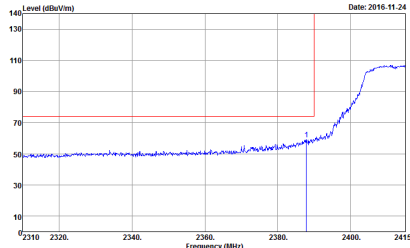
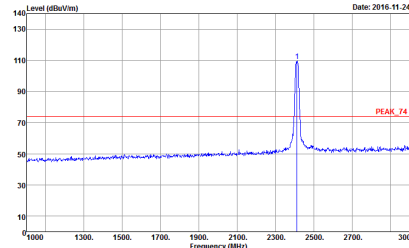
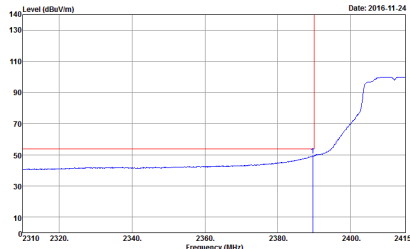
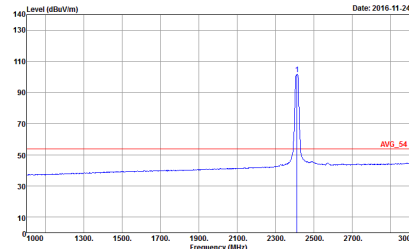


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2472 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the peak level at approximately 74 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 27	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2472 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the peak level at approximately 74 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 27
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the average level at approximately 54 dBuV/m. Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 27	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the average level at approximately 54 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 27

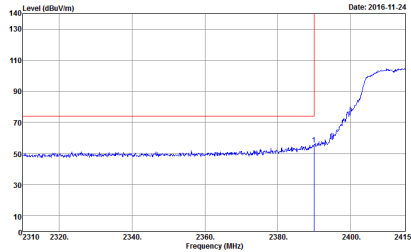
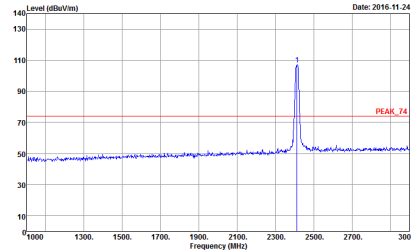
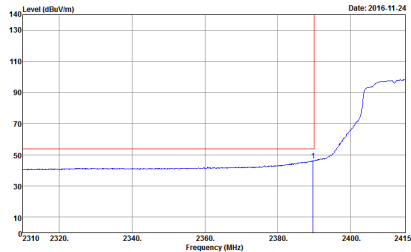
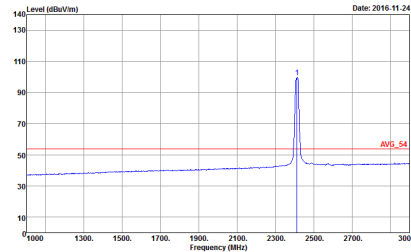


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2472 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the peak level at approximately 74 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 27	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2472 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the peak level at approximately 74 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 27
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the average level at approximately 54 dBuV/m. Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 27	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the average level at approximately 54 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 27

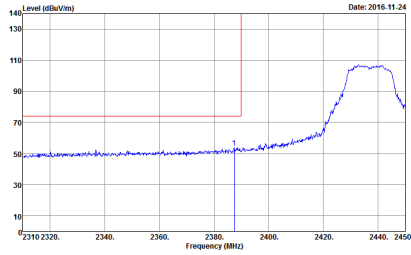
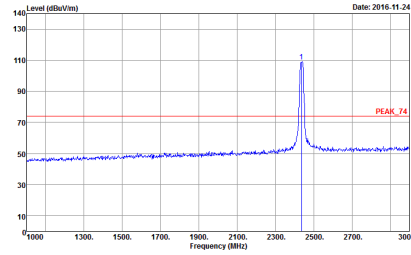
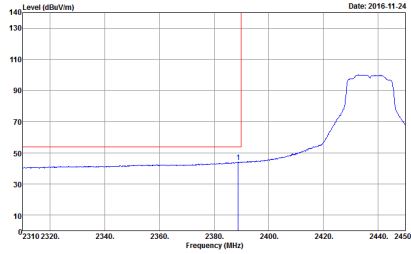
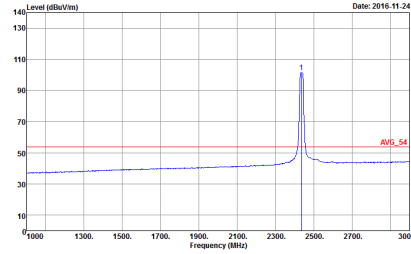
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 10	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 10
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 10	 Site : 03CH10-HY Condition : AVG_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 10

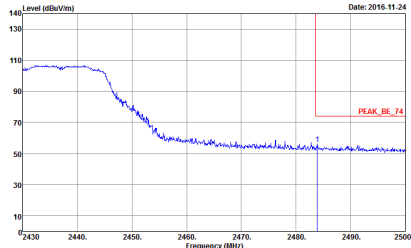
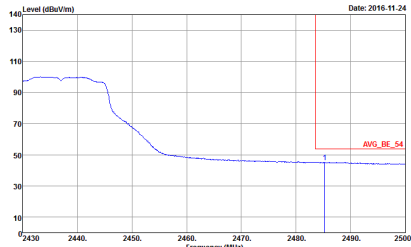


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : IO	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : IO
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : IO	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : IO

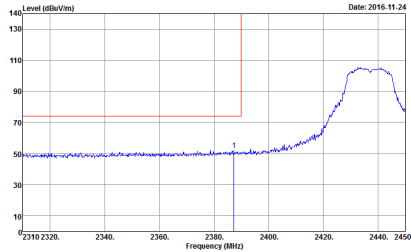
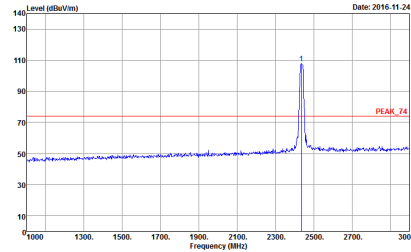
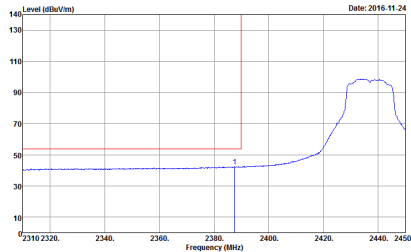
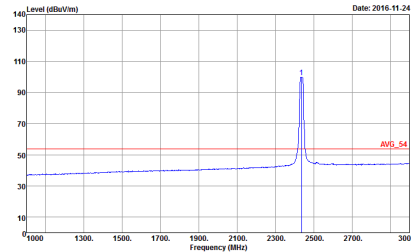


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 11	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 11
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 11	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 11

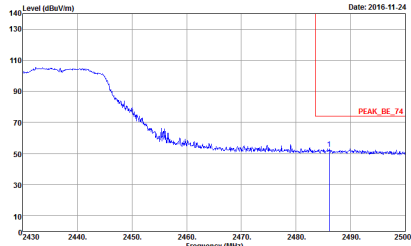
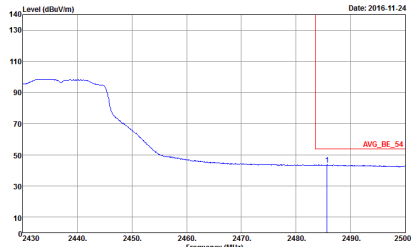


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 2016-11-24 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11	Left blank
Avg.	 Date: 2016-11-24 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11	Left blank

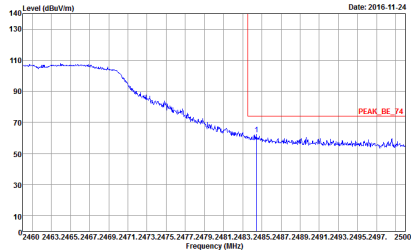
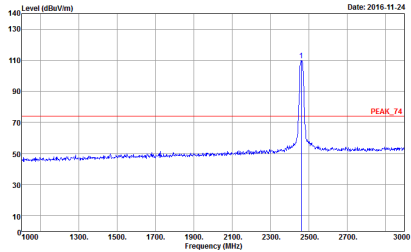
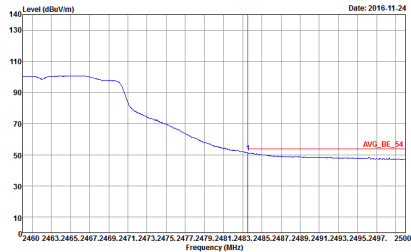
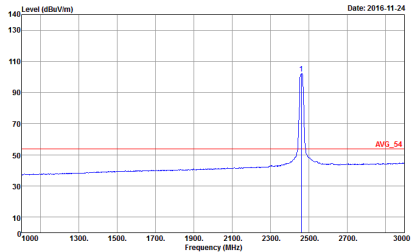


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11

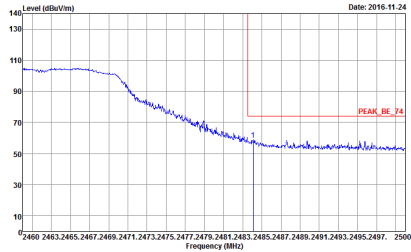
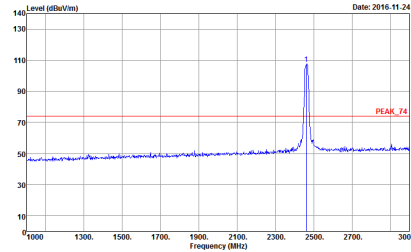
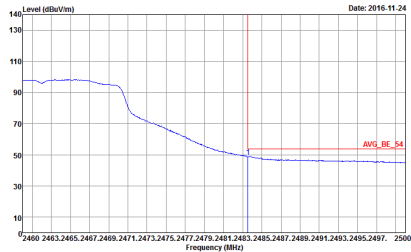
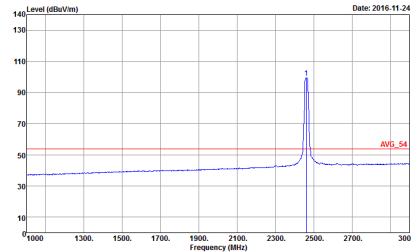


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11	Left Blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 11	Left Blank

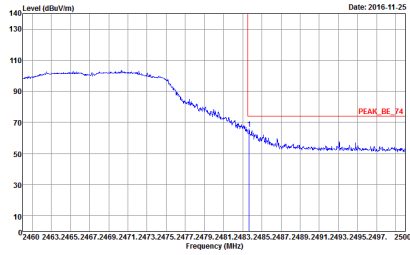
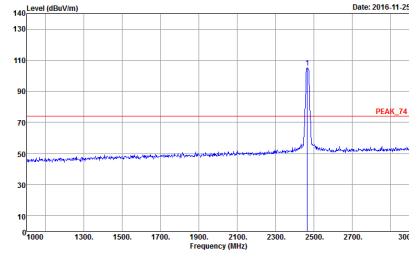
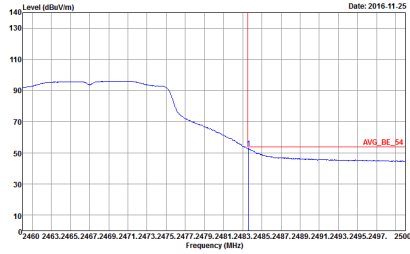
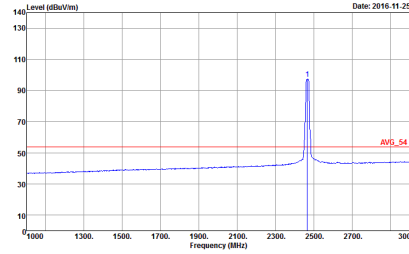


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12

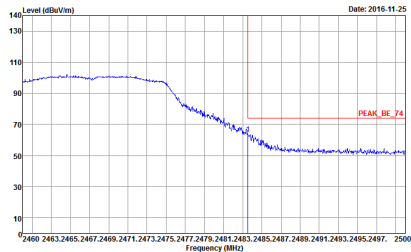
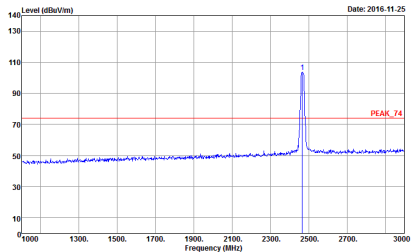
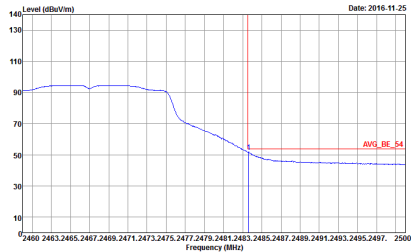
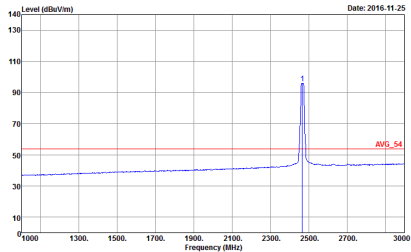


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 12

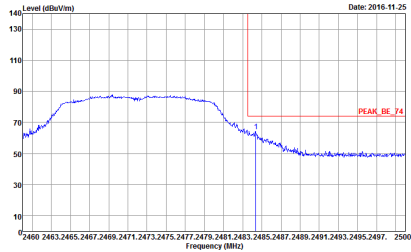
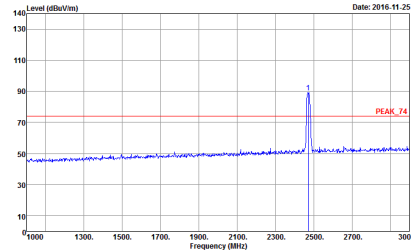
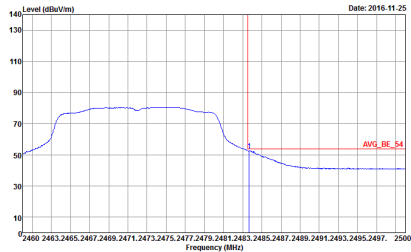
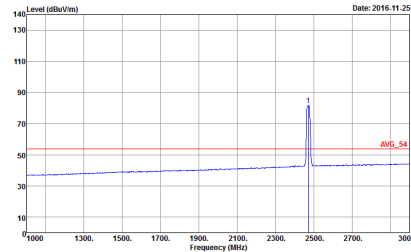


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z8	 Level (dBuV/m) vs Frequency (MHz) plot showing a sharp peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z8
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the average level at approximately 55 dBuV/m. Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z8	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the average level at approximately 55 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z8

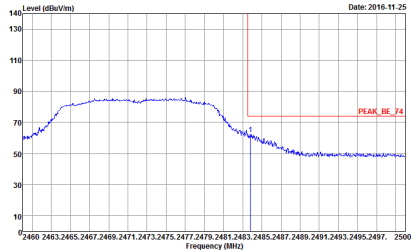
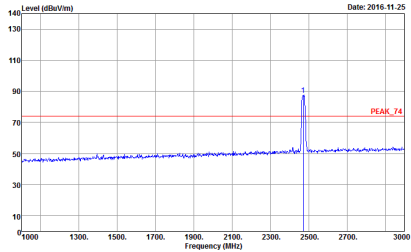
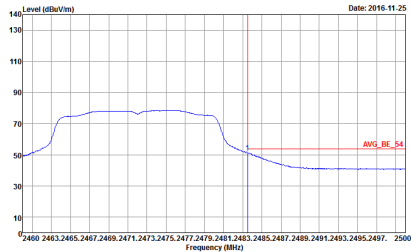
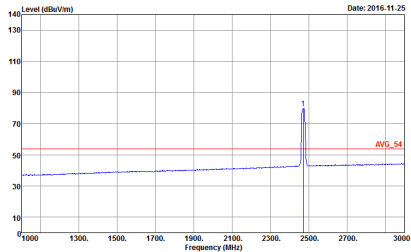


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z8	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z8
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z8	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z8



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2472 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z9	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2472 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z9
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the average level at approximately 55 dBuV/m. Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z9	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the average level at approximately 55 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z9



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-25 PEAK_BE_74 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z9	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-25 PEAK_74 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z9
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-25 AVG_BE_54 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z9	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-25 AVG_54 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : Z9

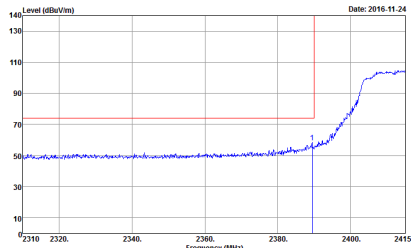
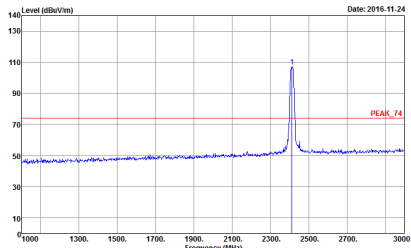
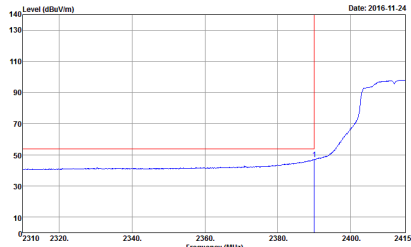
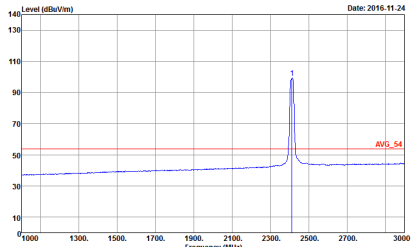


2.4GHz 2400~2483.5MHz

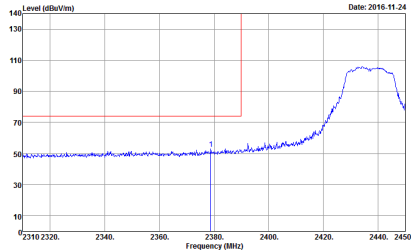
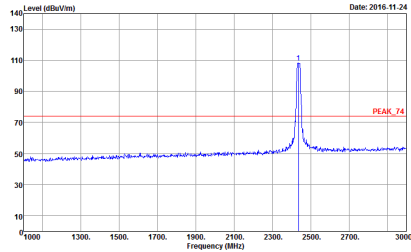
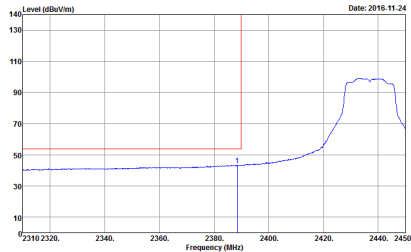
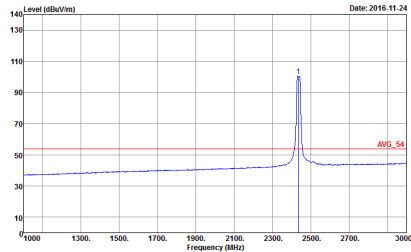
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13	Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13
Avg.	Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13	Site : 03CH10-HY Condition : AVG_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 13

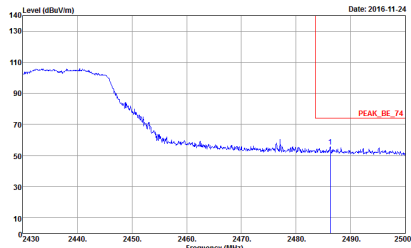
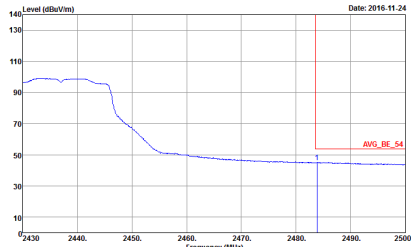


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I3	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I3
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I3	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I3

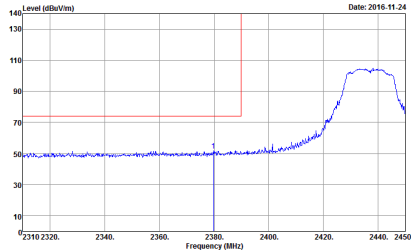
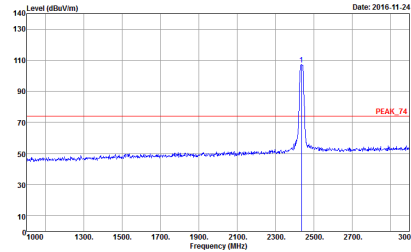
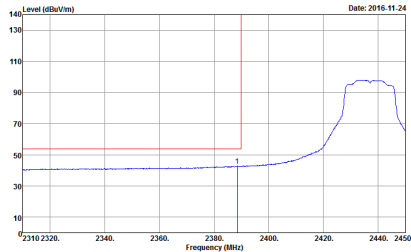
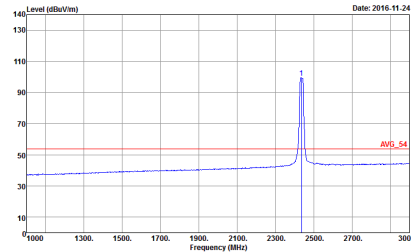


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14

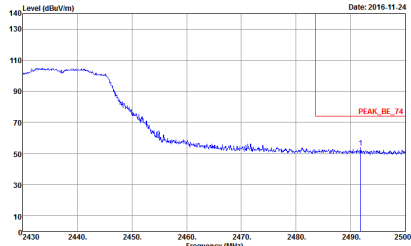
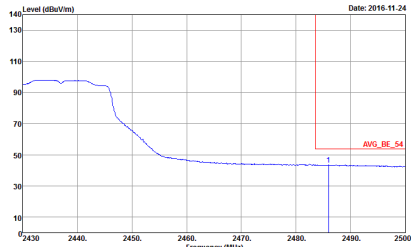


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	Left blank

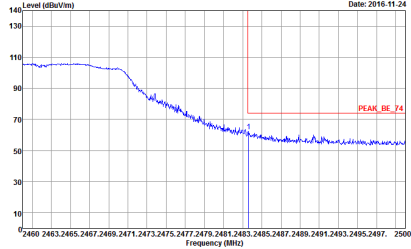
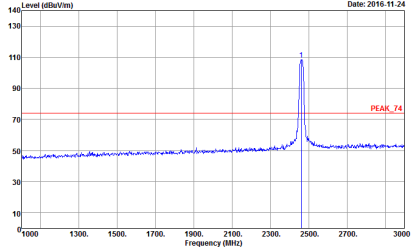
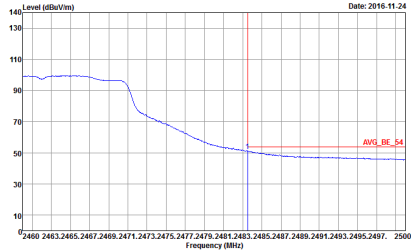
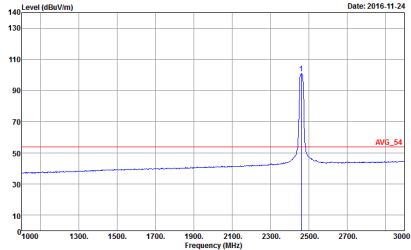


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14

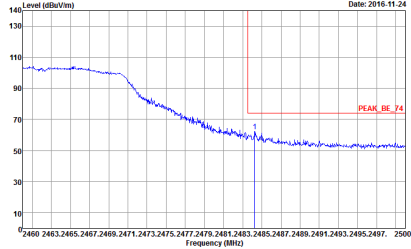
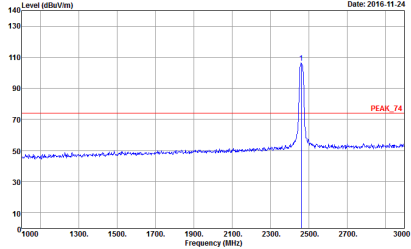
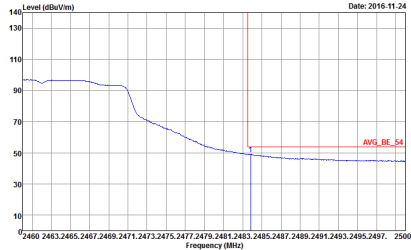
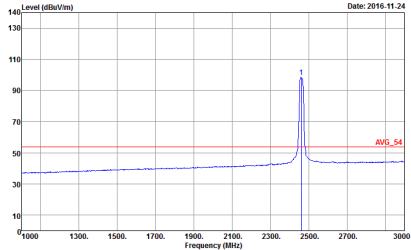


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	Left Blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 14	Left Blank

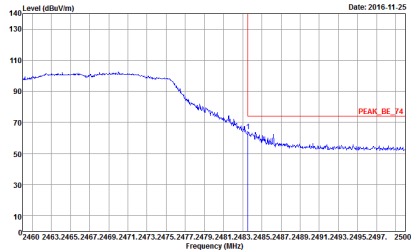
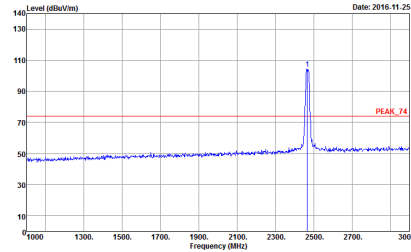
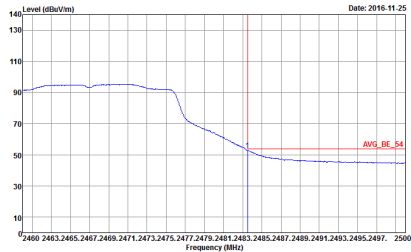
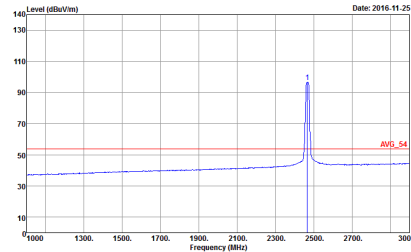


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I5	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I5
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I5	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I5

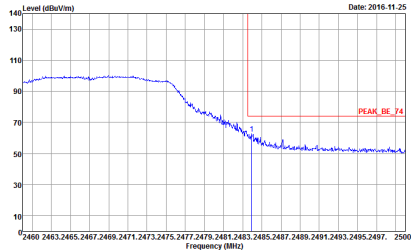
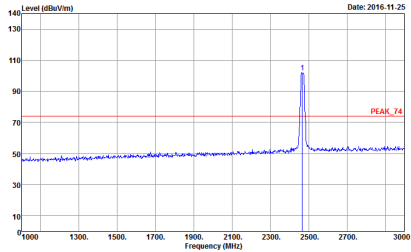
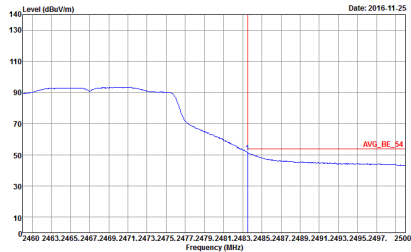
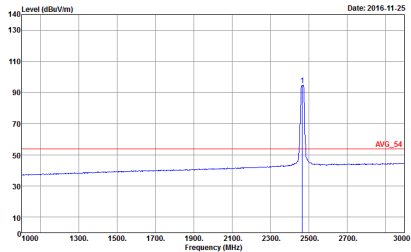


WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-24 PEAK_BE_74 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I5	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-24 PEAK_74 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I5
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-24 AVG_BE_54 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I5	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-24 AVG_54 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : I5

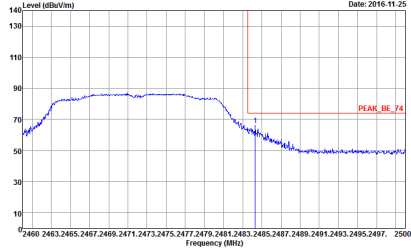
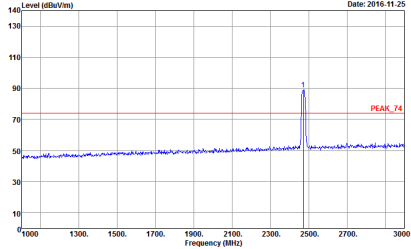
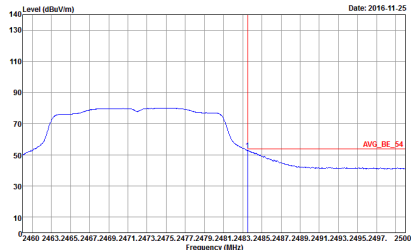
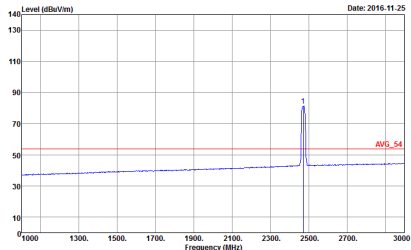


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30

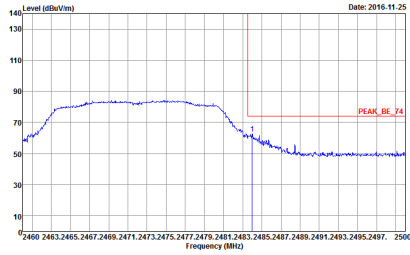
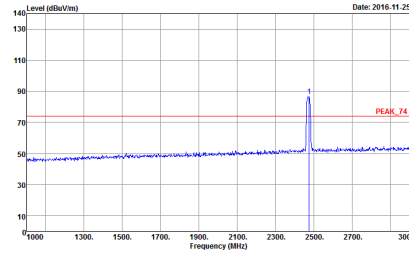
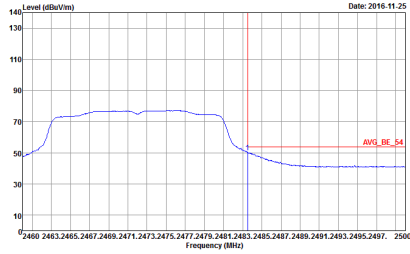
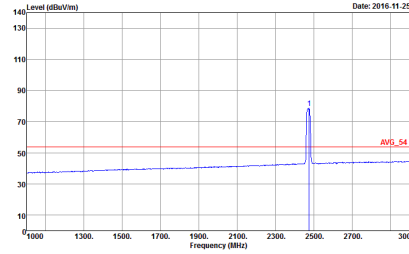


WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2467 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the peak level at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line marks the average level at approximately 55 dBuV/m. Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line marks the average level at approximately 55 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 30

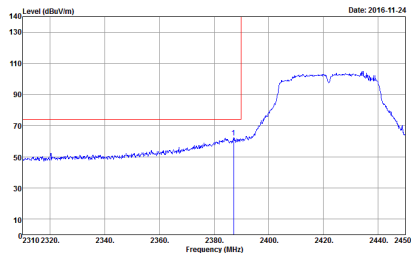
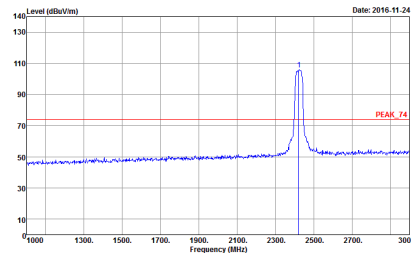
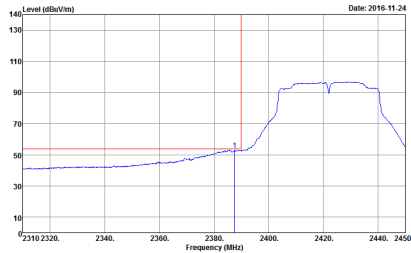
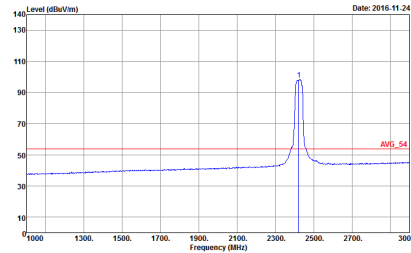


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 31	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 31
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 31	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 31

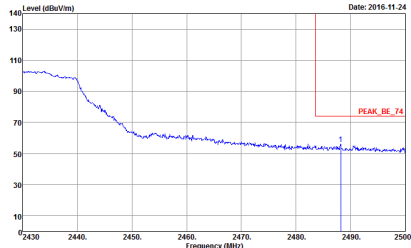
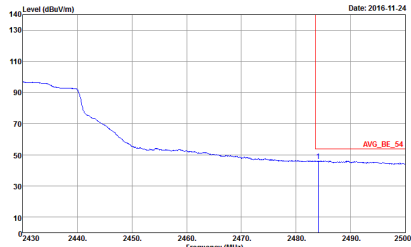


WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-25 PEAK_BE_74 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 31	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-25 PEAK_74 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 31
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-25 AVG_BE_54 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 31	 Level (dBuV/m) Frequency (MHz) Date: 2016-11-25 AVG_54 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 31

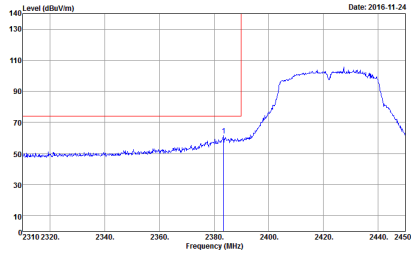
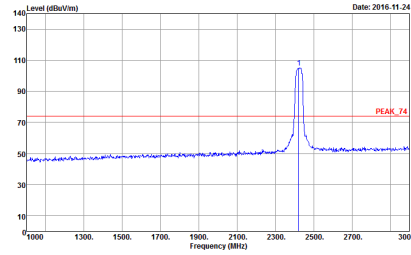
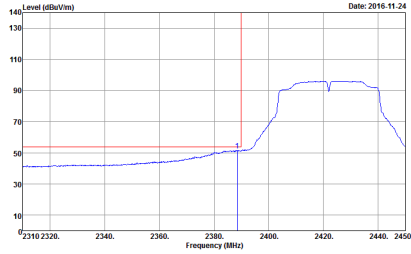
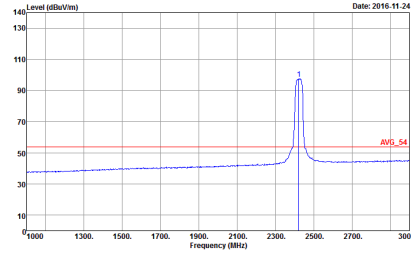
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 16	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 16
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 16	 Site : 03CH10-HY Condition : AVG_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 6N0303-01 Mode : 16

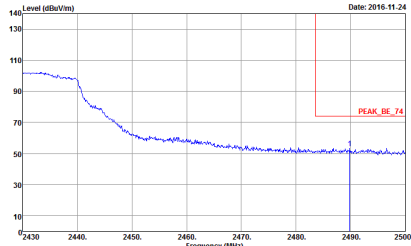
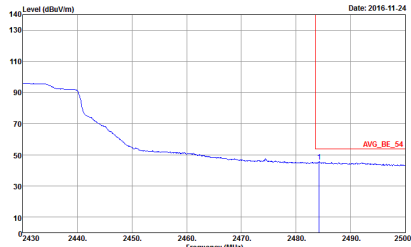


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 2016-11-24 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16	Left Blank
Avg.	 Date: 2016-11-24 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16	Left Blank

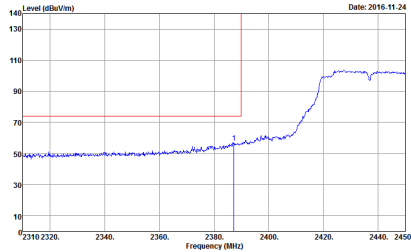
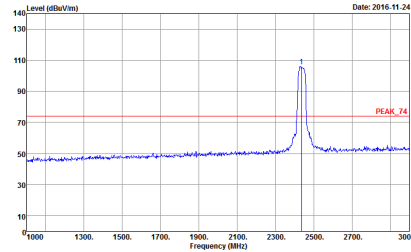
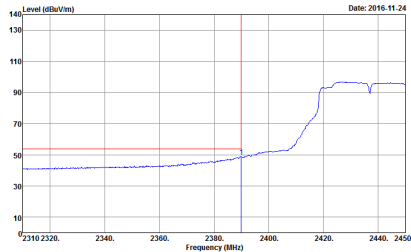
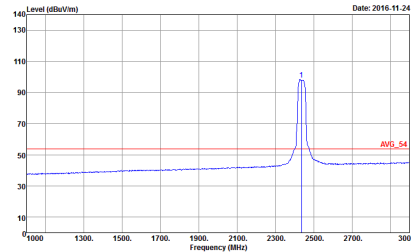


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16

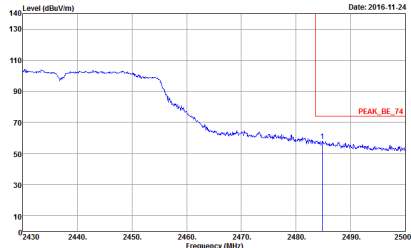
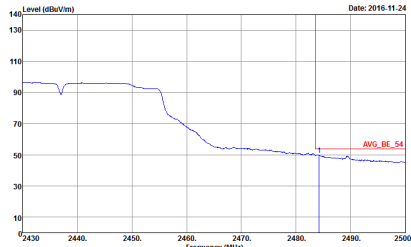


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1	Vertical	Fundamental
Peak	 Date: 2016-11-24 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16	Left blank
Avg.	 Date: 2016-11-24 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 16	Left blank

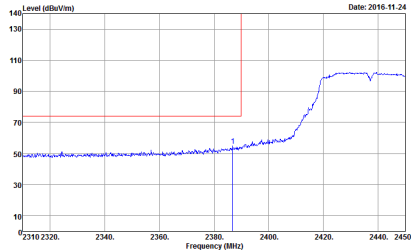
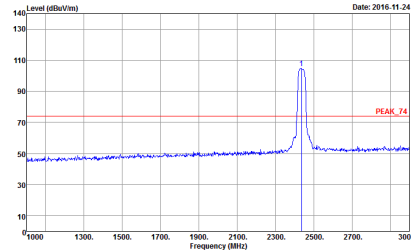
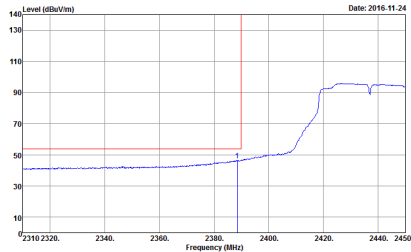
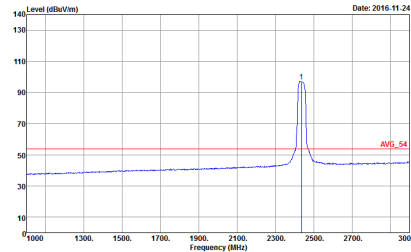


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17

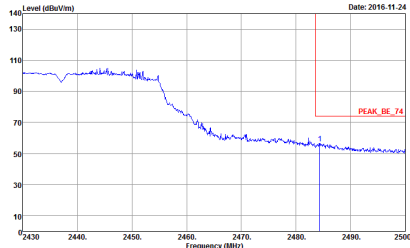
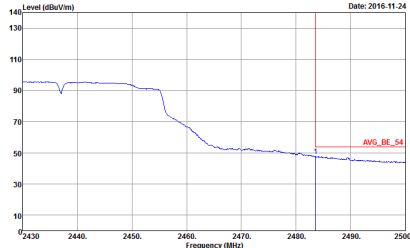


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 2016-11-24 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17	Left blank
Avg.	 Date: 2016-11-24 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17	Left blank

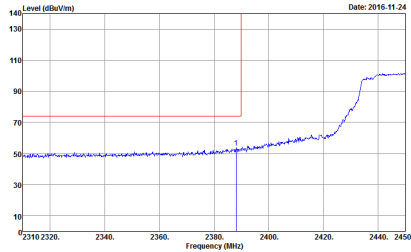
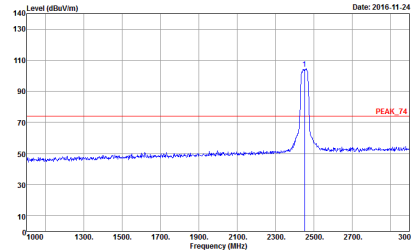
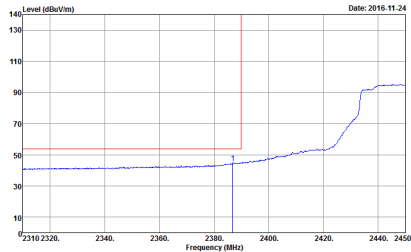
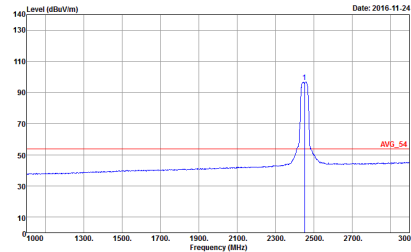


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17

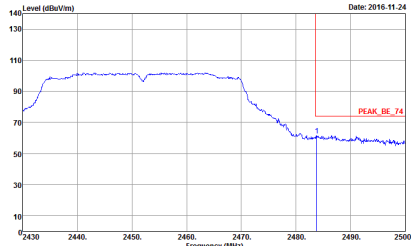
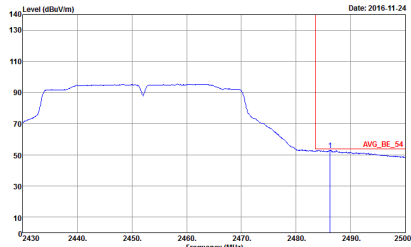


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 2016-11-24 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17	Left blank
Avg.	 Date: 2016-11-24 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 17	Left blank

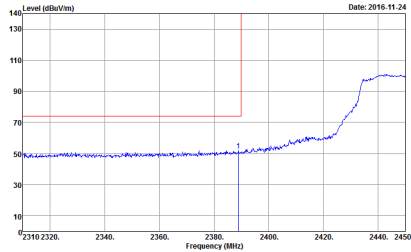
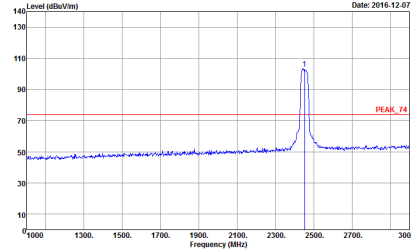
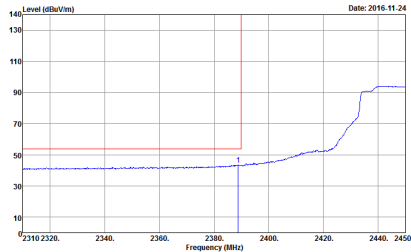
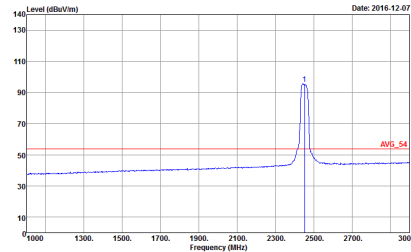


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18

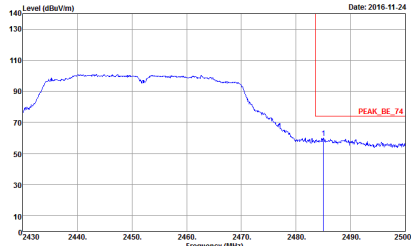
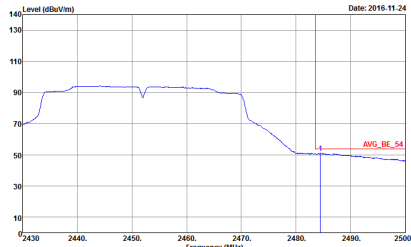


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	Left blank

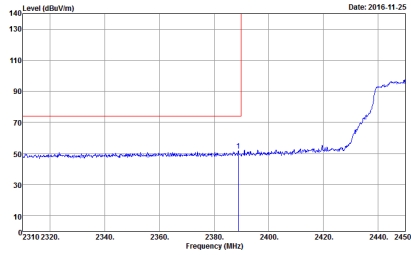
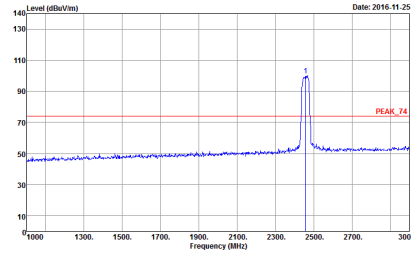
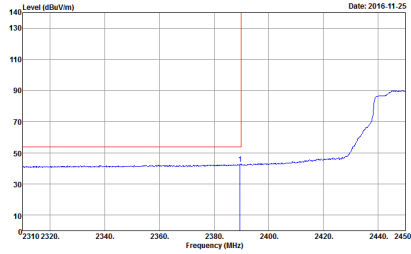
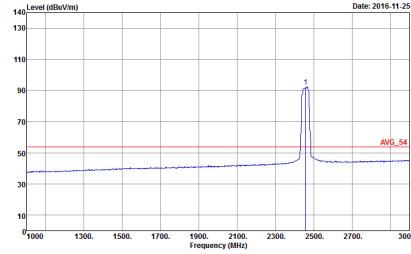


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 18	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 18
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 18	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N0303-01 Mode : 18

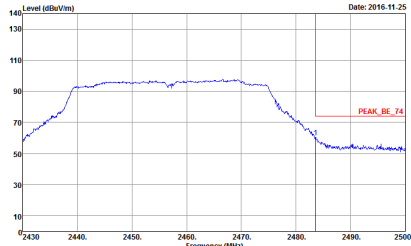
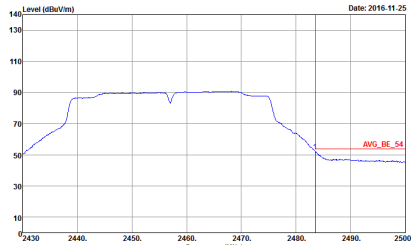


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 18	Left blank

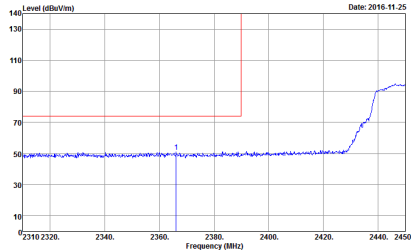
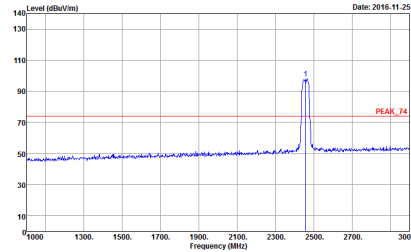
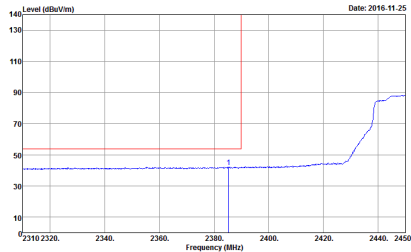
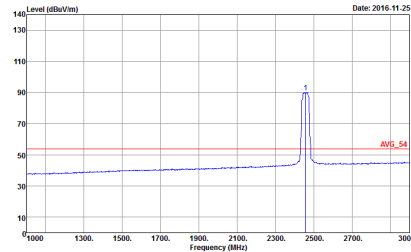


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH10 2457MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32

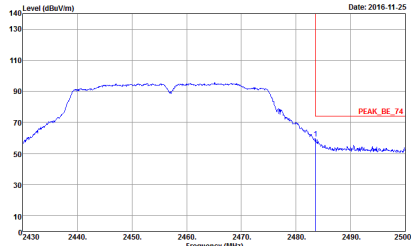
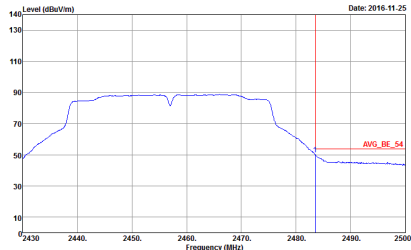


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH10 2457MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 2016-11-25 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32	Left blank
Avg.	 Date: 2016-11-25 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32	Left blank

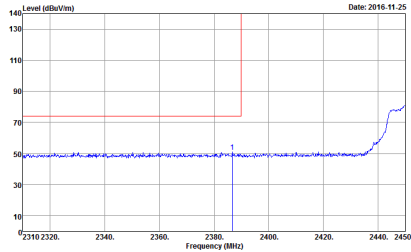
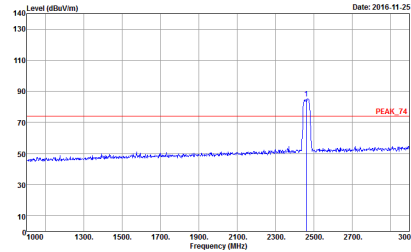
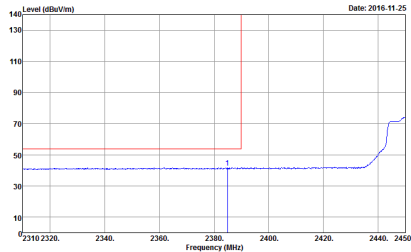
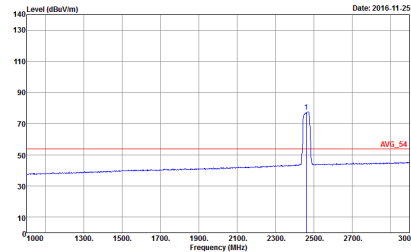


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH10 2457MHz - L	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 2370 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the noise floor at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32	 Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 2457 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the noise floor at approximately 75 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the noise floor at approximately 75 dBuV/m. Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32	 Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the noise floor at approximately 75 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32

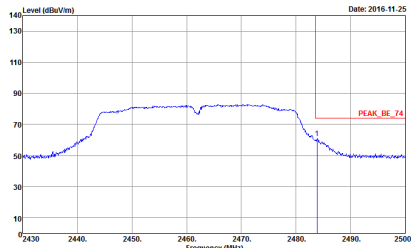
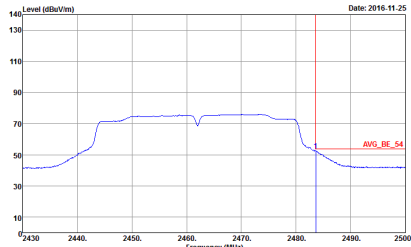


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH10 2457MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 32	Left blank

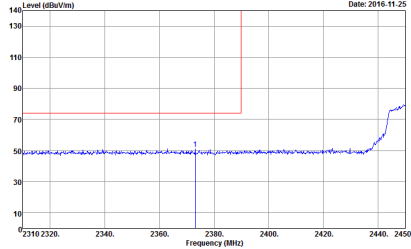
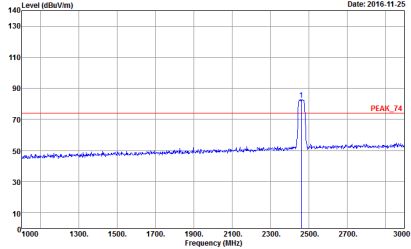
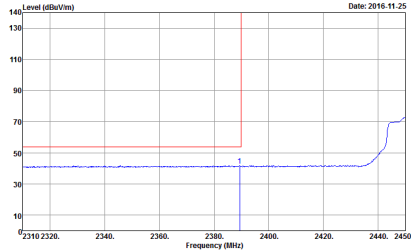
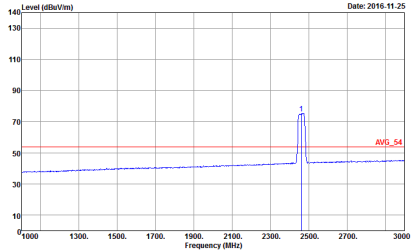


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH11 2462MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 33	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 33
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 33	 Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 33



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH11 2462MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 33	Left blank
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 33	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH11 2462MHz - L	
1	Vertical	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a sharp peak at approximately 2462 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the noise floor at approximately 70 dBuV/m. Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 33	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a sharp peak at approximately 2462 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the noise floor at approximately 70 dBuV/m. Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 33
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a sharp peak at approximately 2462 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the noise floor at approximately 70 dBuV/m. Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 33	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a sharp peak at approximately 2462 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the noise floor at approximately 70 dBuV/m. Site : 03CH10-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N0303-01 Mode : 33