

3.6 AC Conducted Emission Measurement

3.6.1 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.

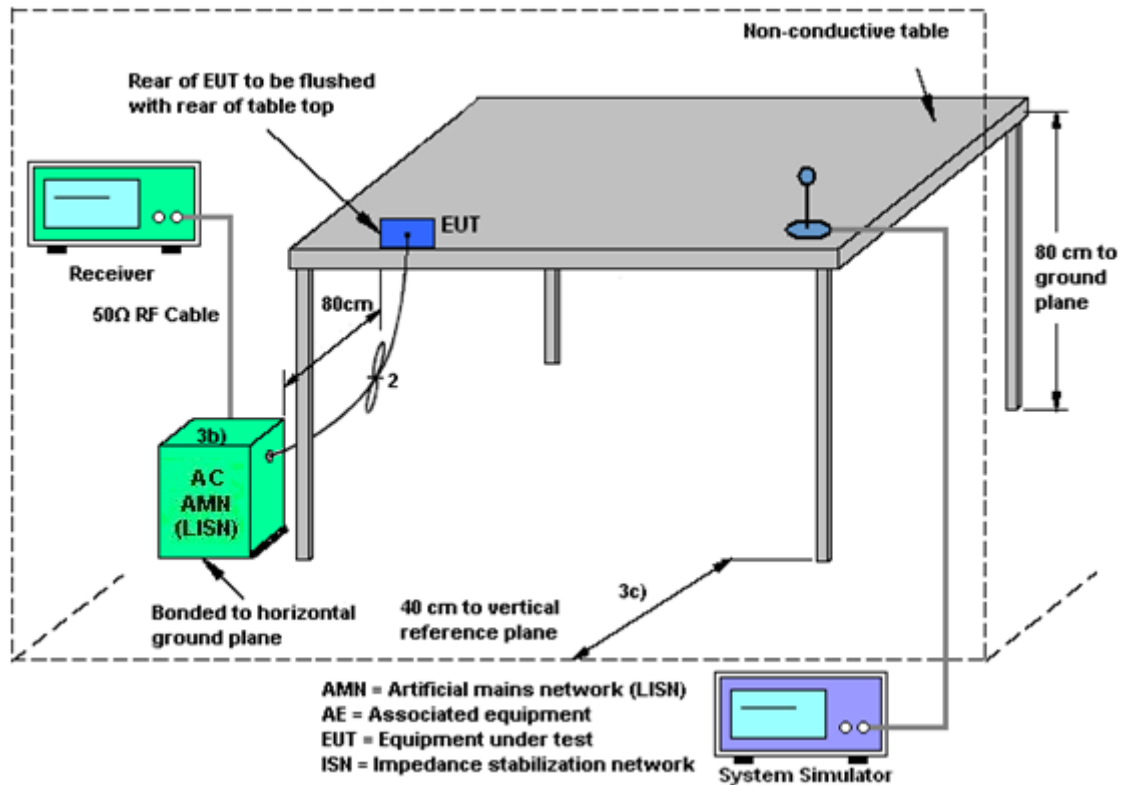
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 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 rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

Refer to FCC KDB 662911 D01 Multiple Transmitter Output v02r01

<CDD Modes >

For power measurements on IEEE 802.11 devices,

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

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

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

For PSD measurements, the directional gain calculation follows F)2)f)ii) of KDB 662911 D01 v02r01.

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

where

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

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

N_{ANT} = the total number of antennas

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

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

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

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

For example: If a device has two antenna, $G_{ANT1} = 3.6$ dBi; $G_{ANT2} = 4.2$ dBi

Directional gain of power measurement = $\max(3.6, 4.2) + 0 = 4.2$ dBi

Directional gain of PSD measurement = $10 \cdot \log[(10^{3.6/20} + 10^{4.2/20})^2 / 2] = 6.92$ dBi



<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 4	Ant. 3	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
2.4 GHz	-2.70	-0.20	-0.20	1.65	0.00	0.00

Calculation example:

The DG for PSD is derived from formula is

$$10 \times \log \left\{ \left[10^{(-2.7\text{dBi} / 20)} + 10^{(-0.2 \text{ dBi} / 20)} \right]^2 / 2 \right\} \\ = 1.65 \text{ dBi}$$



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Nov. 25, 2021~ Dec. 20, 2021	Jan. 03, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 08, 2021	Nov. 25, 2021~ Dec. 20, 2021	Feb. 07, 2022	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 28, 2020	Nov. 25, 2021~ Dec. 20, 2021	Dec. 27, 2021	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Oct. 25, 2021	Nov. 25, 2021~ Dec. 20, 2021	Oct. 24, 2022	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00991	18GHz~40GHz	May 12, 2021	Nov. 25, 2021~ Dec. 20, 2021	May 11, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-30 3	17100018000 55006	1GHz~18GHz	May 06, 2021	Nov. 25, 2021~ Dec. 20, 2021	May 05, 2022	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz-18GHz	Jul. 26, 2021	Nov. 25, 2021~ Dec. 02, 2021	Jul. 25, 2022	Radiation (03CH15-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-10M-700 0-MR	EC1900247	10MHz-7GHz	Dec. 03, 2021	Dec. 03, 2021~ Dec. 20, 2021	Dec. 02, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18-40GHz	Jun. 22, 2021	Nov. 25, 2021~ Dec. 20, 2021	Jun. 21, 2022	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Jul. 15, 2021	Nov. 25, 2021~ Dec. 20, 2021	Jul. 14, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 07, 2021	Nov. 25, 2021~ Dec. 20, 2021	May 06, 2022	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 25, 2021~ Dec. 20, 2021	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 25, 2021~ Dec. 20, 2021	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Nov. 25, 2021~ Dec. 20, 2021	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE, 508405/2E	30MHz~18G	Nov. 15, 2021	Nov. 25, 2021~ Dec. 20, 2021	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 22, 2021	Nov. 25, 2021~ Dec. 20, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 22, 2021	Nov. 25, 2021~ Dec. 20, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Nov. 25, 2021~ Dec. 20, 2021	Mar. 10, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-15 30-6000-40ST	SN4	1.53GHz Low Pass Filter	Jul. 02, 2021	Nov. 25, 2021~ Dec. 20, 2021	Jul. 01, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 OST	SN4	3GHz High Pass Filter	Sep. 15, 2021	Nov. 25, 2021~ Dec. 20, 2021	Sep. 14, 2022	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEP	DTM-303A	TP201996	N/A	Nov. 16, 2021	Nov. 20, 2021 Dec. 23, 2021	Nov. 15, 2022	Conducted (TH05-HY)
Power Meter	DARE	RPR3006W	13I00030SNO 31(NO:182)	10MHz~6GHz	Dec. 30, 2020	Nov. 20, 2021 Dec. 23, 2021	Dec. 29, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Nov. 20, 2021 Dec. 23, 2021	Aug. 29, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW191204(B OX8)	N/A	Jan. 07, 2021	Nov. 20, 2021 Dec. 23, 2021	Jan. 06, 2022	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 15, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Nov. 15, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	TECEP	DTM-303A	TP201973	N/A	Oct. 22, 2021	Nov. 15, 2021	Oct. 21, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	Nov. 15, 2021	Nov. 30, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 15, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Nov. 15, 2021	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Nov. 15, 2021	Dec. 30, 2021	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

Test Engineer:	Benny Ku	Temperature:	21~25	°C
Test Date:	2021/11/20~2022/1/7	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band Single Antenna										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant4	Ant3	Ant4	Ant3		
11b	1Mbps	1	1	2412	13.39	13.29	8.08	8.58	0.50	Pass
11b	1Mbps	1	6	2437	13.34	13.24	8.10	8.10	0.50	Pass
11b	1Mbps	1	11	2462	13.24	13.44	8.10	8.10	0.50	Pass
11b	1Mbps	1	12	2467	13.39	13.49	8.58	8.56	0.50	Pass
11b	1Mbps	1	13	2472	13.24	13.24	7.60	8.10	0.50	Pass

2.4GHz Band MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant4	Ant3	Ant4	Ant3		
11g	6Mbps	2	1	2412	18.48	18.18	16.34	16.36	0.50	Pass
11g	6Mbps	2	6	2437	19.23	18.23	16.36	16.36	0.50	Pass
11g	6Mbps	2	11	2462	18.43	18.23	16.11	15.78	0.50	Pass
11g	6Mbps	2	12	2467	18.53	18.38	16.12	16.36	0.50	Pass
11g	6Mbps	2	13	2472	18.03	17.88	16.34	16.38	0.50	Pass
HT20	MCS0	2	1	2412	19.18	18.88	17.22	17.62	0.50	Pass
HT20	MCS0	2	6	2437	19.73	19.13	17.60	17.62	0.50	Pass
HT20	MCS0	2	11	2462	19.18	18.78	17.34	17.00	0.50	Pass
HT20	MCS0	2	12	2467	19.23	18.93	17.34	17.62	0.50	Pass
HT20	MCS0	2	13	2472	18.78	18.63	16.98	17.02	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band Single Antenna																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	
11b	1Mbps	1	1	2412	18.65	21.75		30.00	30.00	-2.70	-0.20	15.95	21.55	36.00	36.00	Pass
11b	1Mbps	1	6	2437	18.85	21.75		30.00	30.00	-2.70	-0.20	16.15	21.55	36.00	36.00	Pass
11b	1Mbps	1	11	2462	19.15	21.65		30.00	30.00	-2.70	-0.20	16.45	21.45	36.00	36.00	Pass
11b	1Mbps	1	12	2467	19.05	21.75		30.00	30.00	-2.70	-0.20	16.35	21.55	36.00	36.00	Pass
11b	1Mbps	1	13	2472	18.55	18.45		30.00	30.00	-2.70	-0.20	15.85	18.25	36.00	36.00	Pass

2.4GHz Band MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	
11g	6Mbps	2	1	2412	17.75	16.75	20.29	30.00		-0.20		20.09		36.00		Pass
11g	6Mbps	2	6	2437	19.45	19.35	22.41	30.00		-0.20		22.21		36.00		Pass
11g	6Mbps	2	11	2462	16.15	15.85	19.01	30.00		-0.20		18.81		36.00		Pass
11g	6Mbps	2	12	2467	14.85	14.35	17.62	30.00		-0.20		17.42		36.00		Pass
11g	6Mbps	2	13	2472	13.35	12.45	15.93	30.00		-0.20		15.73		36.00		Pass
HT20	MCS0	2	1	2412	17.55	16.65	20.13	30.00		-0.20		19.93		36.00		Pass
HT20	MCS0	2	6	2437	19.45	19.15	22.31	30.00		-0.20		22.11		36.00		Pass
HT20	MCS0	2	11	2462	16.65	16.35	19.51	30.00		-0.20		19.31		36.00		Pass
HT20	MCS0	2	12	2467	14.75	14.35	17.56	30.00		-0.20		17.36		36.00		Pass
HT20	MCS0	2	13	2472	13.15	12.15	15.69	30.00		-0.20		15.49		36.00		Pass
VHT20	MCS0	2	1	2412	17.45	16.55	20.03	30.00		-0.20		19.83		36.00		Pass
VHT20	MCS0	2	6	2437	19.35	19.05	22.21	30.00		-0.20		22.01		36.00		Pass
VHT20	MCS0	2	11	2462	16.55	16.25	19.41	30.00		-0.20		19.21		36.00		Pass
VHT20	MCS0	2	12	2467	14.65	14.25	17.46	30.00		-0.20		17.26		36.00		Pass
VHT20	MCS0	2	13	2472	13.05	12.05	15.59	30.00		-0.20		15.39		36.00		Pass

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band Single Antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant4	Ant3	Worse + 3.01	Ant4	Ant3	Ant4	Ant3	
11b	1Mbps	1	1	2412	-0.77	-0.85		-2.70	-0.20	8.00	8.00	Pass
11b	1Mbps	1	6	2437	-2.47	-0.38		-2.70	-0.20	8.00	8.00	Pass
11b	1Mbps	1	11	2462	-3.01	-0.36		-2.70	-0.20	8.00	8.00	Pass
11b	1Mbps	1	12	2467	-2.85	-1.06		-2.70	-0.20	8.00	8.00	Pass
11b	1Mbps	1	13	2472	-3.99	-4.25		-2.70	-0.20	8.00	8.00	Pass

2.4GHz Band MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant4	Ant3	Worse + 3.01	Ant4	Ant3	Ant4	Ant3	
11g	6Mbps	2	1	2412	-8.04	-8.38	-5.03	1.65		8.00		Pass
11g	6Mbps	2	6	2437	-5.97	-5.53	-2.52	1.65		8.00		Pass
11g	6Mbps	2	11	2462	-9.21	-9.10	-6.09	1.65		8.00		Pass
11g	6Mbps	2	12	2467	-10.12	-10.70	-7.11	1.65		8.00		Pass
11g	6Mbps	2	13	2472	-11.79	-13.07	-8.78	1.65		8.00		Pass
HT20	MCS0	2	1	2412	-8.50	-7.83	-4.82	1.65		8.00		Pass
HT20	MCS0	2	6	2437	-5.66	-6.05	-2.65	1.65		8.00		Pass
HT20	MCS0	2	11	2462	-9.09	-8.20	-5.19	1.65		8.00		Pass
HT20	MCS0	2	12	2467	-10.73	-11.12	-7.72	1.65		8.00		Pass
HT20	MCS0	2	13	2472	-12.45	-12.88	-9.44	1.65		8.00		Pass

Measured power density (dBm) has offset with cable loss.

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band MIMO											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
						Ant4	Ant3	Ant4	Ant3		
HE20	MCS0	2	1	2412	Full	-	-	18.38	18.70	0.50	Pass
HE20	MCS0	2	6	2437	Full	-	-	18.98	18.95	0.50	Pass
HE20	MCS0	2	11	2462	Full	-	-	18.68	17.60	0.50	Pass
HE20	MCS0	2	12	2467	Full	-	-	19.03	18.33	0.50	Pass
HE20	MCS0	2	13	2472	Full	-	-	18.50	18.25	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																	
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	
HE20	MCS0	2	1	2412	Full	17.35	16.45	19.93	30.00		-0.20		19.73		36.00		Pass
HE20	MCS0	2	1	2412	26/0	9.55	9.35	12.46	30.00		-0.20		12.26		36.00		Pass
HE20	MCS0	2	1	2412	52/37	11.95	11.65	14.81	30.00		-0.20		14.61		36.00		Pass
HE20	MCS0	2	1	2412	106/53	14.75	14.35	17.56	30.00		-0.20		17.36		36.00		Pass
HE20	MCS0	2	6	2437	Full	19.25	18.95	22.11	30.00		-0.20		21.91		36.00		Pass
HE20	MCS0	2	6	2437	26/4	11.45	11.25	14.36	30.00		-0.20		14.16		36.00		Pass
HE20	MCS0	2	6	2437	52/39	14.75	14.75	17.76	30.00		-0.20		17.56		36.00		Pass
HE20	MCS0	2	6	2437	106/53	17.05	16.05	19.59	30.00		-0.20		19.39		36.00		Pass
HE20	MCS0	2	11	2462	Full	16.45	16.15	19.31	30.00		-0.20		19.11		36.00		Pass
HE20	MCS0	2	11	2462	26/8	9.45	9.45	12.46	30.00		-0.20		12.26		36.00		Pass
HE20	MCS0	2	11	2462	52/40	12.15	11.95	15.06	30.00		-0.20		14.86		36.00		Pass
HE20	MCS0	2	11	2462	106/54	14.65	14.45	17.56	30.00		-0.20		17.36		36.00		Pass
HE20	MCS0	2	12	2467	Full	14.55	14.15	17.36	30.00		-0.20		17.16		36.00		Pass
HE20	MCS0	2	12	2467	26/8	7.65	6.85	10.28	30.00		-0.20		10.08		36.00		Pass
HE20	MCS0	2	12	2467	52/40	9.65	9.55	12.61	30.00		-0.20		12.41		36.00		Pass
HE20	MCS0	2	12	2467	106/54	12.15	11.95	15.06	30.00		-0.20		14.86		36.00		Pass
HE20	MCS0	2	13	2472	Full	12.95	11.95	15.49	30.00		-0.20		15.29		36.00		Pass
HE20	MCS0	2	13	2472	26/8	5.95	5.05	8.53	30.00		-0.20		8.33		36.00		Pass
HE20	MCS0	2	13	2472	52/40	7.45	5.75	9.69	30.00		-0.20		9.49		36.00		Pass
HE20	MCS0	2	13	2472	106/54	10.25	9.55	12.92	30.00		-0.20		12.72		36.00		Pass

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band MIMO													
Mod.	Data Rate	NtX	CH.	Freq. (MHz)	RU Config	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
						Ant4	Ant3	Worse + 3.01	Ant4	Ant3	Ant4	Ant3	
HE20	MCS0	2	1	2412	Full	-7.64	-7.34	-4.33	1.65		8.00		Pass
HE20	MCS0	2	1	2412	26/0	-8.39	-7.92	-4.91	1.65		8.00		Pass
HE20	MCS0	2	1	2412	52/37	-7.68	-7.55	-4.54	1.65		8.00		Pass
HE20	MCS0	2	1	2412	106/53	-7.89	-7.63	-4.62	1.65		8.00		Pass
HE20	MCS0	2	6	2437	Full	-4.78	-5.00	-1.77	1.65		8.00		Pass
HE20	MCS0	2	6	2437	26/4	-5.72	-5.95	-2.71	1.65		8.00		Pass
HE20	MCS0	2	6	2437	52/39	-5.08	-5.62	-2.07	1.65		8.00		Pass
HE20	MCS0	2	6	2437	106/53	-6.09	-5.79	-2.78	1.65		8.00		Pass
HE20	MCS0	2	11	2462	Full	-7.35	-8.72	-4.34	1.65		8.00		Pass
HE20	MCS0	2	11	2462	26/8	-8.59	-8.02	-5.01	1.65		8.00		Pass
HE20	MCS0	2	11	2462	52/40	-8.16	-8.33	-5.15	1.65		8.00		Pass
HE20	MCS0	2	11	2462	106/54	-8.09	-8.83	-5.08	1.65		8.00		Pass
HE20	MCS0	2	12	2467	Full	-10.16	-10.15	-7.14	1.65		8.00		Pass
HE20	MCS0	2	12	2467	26/8	-10.97	-10.52	-7.51	1.65		8.00		Pass
HE20	MCS0	2	12	2467	52/40	-10.57	-10.83	-7.56	1.65		8.00		Pass
HE20	MCS0	2	12	2467	106/54	-10.54	-10.62	-7.53	1.65		8.00		Pass
HE20	MCS0	2	13	2472	Full	-11.55	-12.52	-8.54	1.65		8.00		Pass
HE20	MCS0	2	13	2472	26/8	-12.76	-12.59	-9.58	1.65		8.00		Pass
HE20	MCS0	2	13	2472	52/40	-12.23	-13.59	-9.22	1.65		8.00		Pass
HE20	MCS0	2	13	2472	106/54	-12.43	-12.26	-9.25	1.65		8.00		Pass

Measured power density (dBm) has offset with cable loss.



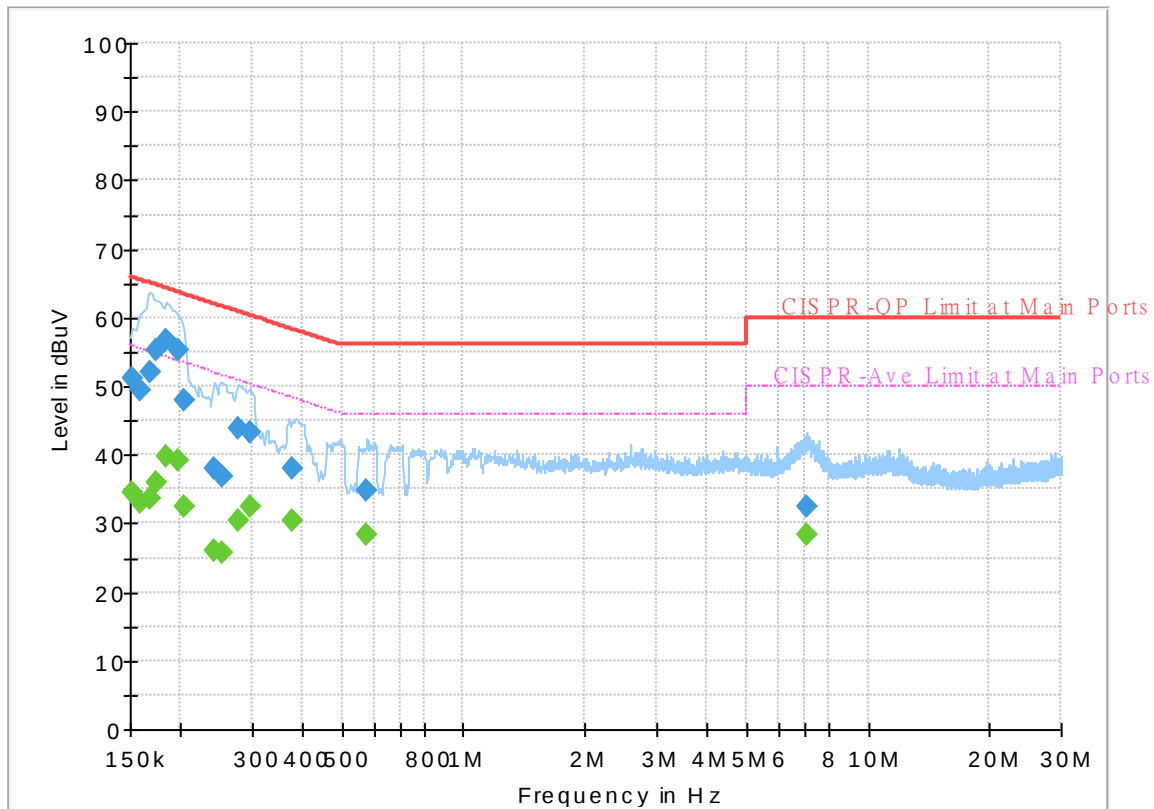
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 161608-03
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final_Result

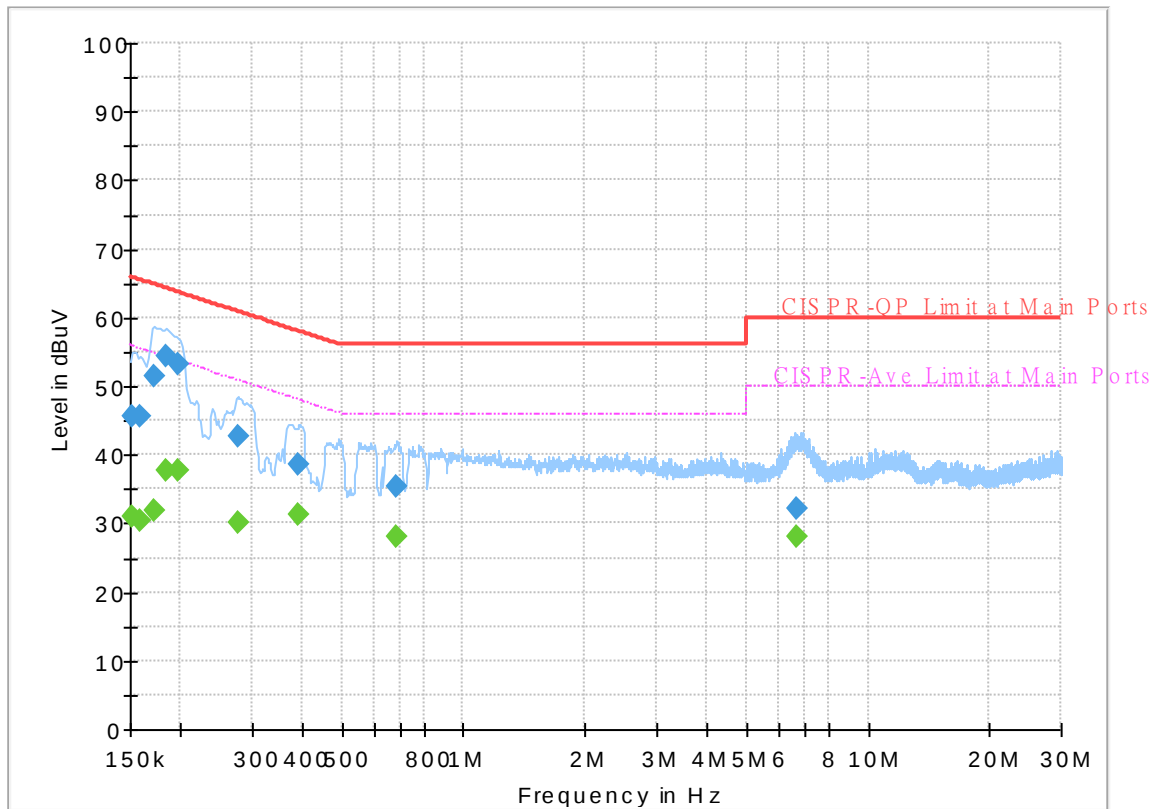
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	34.57	55.88	21.31	L1	OFF	19.7
0.152250	51.07	---	65.88	14.81	L1	OFF	19.7
0.159000	---	33.06	55.52	22.46	L1	OFF	19.7
0.159000	49.46	---	65.52	16.06	L1	OFF	19.7
0.168000	---	33.65	55.06	21.41	L1	OFF	19.7
0.168000	52.02	---	65.06	13.04	L1	OFF	19.7
0.174750	---	35.89	54.73	18.84	L1	OFF	19.7
0.174750	55.33	---	64.73	9.40	L1	OFF	19.7
0.183750	---	39.91	54.31	14.40	L1	OFF	19.7
0.183750	56.65	---	64.31	7.66	L1	OFF	19.7
0.197250	---	39.26	53.73	14.47	L1	OFF	19.7
0.197250	55.37	---	63.73	8.36	L1	OFF	19.7
0.204000	---	32.52	53.45	20.93	L1	OFF	19.7
0.204000	47.95	---	63.45	15.50	L1	OFF	19.7
0.242250	---	26.15	52.02	25.87	L1	OFF	19.7
0.242250	38.02	---	62.02	24.00	L1	OFF	19.7
0.253500	---	25.85	51.64	25.79	L1	OFF	19.7
0.253500	36.76	---	61.64	24.88	L1	OFF	19.7
0.278250	---	30.33	50.87	20.54	L1	OFF	19.7
0.278250	43.98	---	60.87	16.89	L1	OFF	19.7
0.296250	---	32.44	50.35	17.91	L1	OFF	19.7

0.296250	43.20	---	60.35	17.15	L1	OFF	19.7
0.379500	---	30.34	48.29	17.95	L1	OFF	19.7
0.379500	38.11	---	58.29	20.18	L1	OFF	19.7
0.577500	---	28.22	46.00	17.78	L1	OFF	19.9
0.577500	34.89	---	56.00	21.11	L1	OFF	19.9
7.035000	---	28.42	50.00	21.58	L1	OFF	20.1
7.035000	32.48	---	60.00	27.52	L1	OFF	20.1

EUT Information

Report NO : 161608-03
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	31.13	55.88	24.75	N	OFF	19.7
0.152250	45.70	---	65.88	20.18	N	OFF	19.7
0.159000	---	30.45	55.52	25.07	N	OFF	19.7
0.159000	45.51	---	65.52	20.01	N	OFF	19.7
0.172500	---	31.80	54.84	23.04	N	OFF	19.7
0.172500	51.32	---	64.84	13.52	N	OFF	19.7
0.183750	---	37.68	54.31	16.63	N	OFF	19.7
0.183750	54.51	---	64.31	9.80	N	OFF	19.7
0.197250	---	37.62	53.73	16.11	N	OFF	19.7
0.197250	53.26	---	63.73	10.47	N	OFF	19.7
0.276000	---	29.98	50.94	20.96	N	OFF	19.7
0.276000	42.78	---	60.94	18.16	N	OFF	19.7
0.390750	---	31.40	48.05	16.65	N	OFF	19.7
0.390750	38.59	---	58.05	19.46	N	OFF	19.7
0.685500	---	27.99	46.00	18.01	N	OFF	20.0
0.685500	35.35	---	56.00	20.65	N	OFF	20.0
6.666000	---	27.98	50.00	22.02	N	OFF	20.1
6.666000	32.16	---	60.00	27.84	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55.0~60.0%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2378.86	49.25	-24.75	74	46	27.84	16.55	41.14	100	218	P	H
		2387.33	38.94	-15.06	54	35.69	27.83	16.56	41.14	100	218	A	H
	*	2412	110.16	-	-	106.96	27.75	16.6	41.15	100	218	P	H
	*	2412	107.03	-	-	103.83	27.75	16.6	41.15	100	218	A	H
													H
													H
		2387.99	49.24	-24.76	74	46	27.82	16.56	41.14	332	300	P	V
		2387.22	38.46	-15.54	54	35.21	27.83	16.56	41.14	332	300	A	V
	*	2412	107.93	-	-	104.73	27.75	16.6	41.15	332	300	P	V
	*	2412	104.84	-	-	101.64	27.75	16.6	41.15	332	300	A	V
													V
													V
802.11b CH 06 2437MHz		2311.44	48.86	-25.14	74	45.57	27.98	16.43	41.12	100	215	P	H
		2390	37.57	-16.43	54	34.33	27.82	16.56	41.14	100	215	A	H
	*	2437	110.76	-	-	107.62	27.65	16.64	41.15	100	215	P	H
	*	2437	107.68	-	-	104.54	27.65	16.64	41.15	100	215	A	H
		2490.01	49.01	-24.99	74	45.86	27.6	16.72	41.17	100	215	P	H
		2483.53	37.75	-16.25	54	34.61	27.6	16.71	41.17	100	215	A	H
		2324.56	49.72	-24.28	74	46.43	27.95	16.46	41.12	331	300	P	V
		2389.84	37.68	-16.32	54	34.44	27.82	16.56	41.14	331	300	A	V
	*	2437	109.25	-	-	106.11	27.65	16.64	41.15	331	300	P	V
	*	2437	106.13	-	-	102.99	27.65	16.64	41.15	331	300	A	V
		2489.29	49.38	-24.62	74	46.23	27.6	16.72	41.17	331	300	P	V
		2483.98	37.72	-16.28	54	34.58	27.6	16.71	41.17	331	300	A	V



802.11b CH 11 2462MHz	*	2462	111.8	-	-	108.68	27.6	16.68	41.16	109	214	P	H
	*	2462	108.56	-	-	105.44	27.6	16.68	41.16	109	214	A	H
		2484.95	50.33	-23.67	74	47.19	27.6	16.71	41.17	109	214	P	H
		2483.5	40.98	-13.02	54	37.84	27.6	16.71	41.17	109	214	A	H
													H
													H
	*	2462	109.94	-	-	106.82	27.6	16.68	41.16	355	306	P	V
	*	2462	106.74	-	-	103.62	27.6	16.68	41.16	355	306	A	V
		2483.55	50.35	-23.65	74	47.21	27.6	16.71	41.17	355	306	P	V
		2483.5	39.96	-14.04	54	36.82	27.6	16.71	41.17	355	306	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 12 2467MHz	*	2467	111.75	-	-	108.63	27.6	16.68	41.16	100	211	P	H
	*	2467	108.43	-	-	105.31	27.6	16.68	41.16	100	211	A	H
		2483.5	57.21	-16.79	74	54.07	27.6	16.71	41.17	100	211	P	H
		2483.5	50.49	-3.51	54	47.35	27.6	16.71	41.17	100	211	A	H
													H
													H
	*	2467	110.01	-	-	106.89	27.6	16.68	41.16	356	302	P	V
	*	2467	106.88	-	-	103.76	27.6	16.68	41.16	356	302	A	V
		2483.5	52.43	-21.57	74	49.29	27.6	16.71	41.17	356	302	P	V
		2483.5	43.79	-10.21	54	40.65	27.6	16.71	41.17	356	302	A	V
													V
													V
802.11b CH 13 2472MHz	*	2470	109.7	-	-	106.57	27.6	16.69	41.16	100	214	P	H
	*	2470	106.55	-	-	103.42	27.6	16.69	41.16	100	214	A	H
		2485.6	56.71	-17.29	74	53.57	27.6	16.71	41.17	100	214	P	H
		2485.8	51.46	-2.54	54	48.32	27.6	16.71	41.17	100	214	A	H
													H
													H
	*	2472	108.04	-	-	104.91	27.6	16.69	41.16	400	292	P	V
	*	2472	104.93	-	-	101.8	27.6	16.69	41.16	400	292	A	V
		2485.7	53.52	-20.48	74	50.38	27.6	16.71	41.17	400	292	P	V
		2484.95	46.39	-7.61	54	43.25	27.6	16.71	41.17	400	292	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. 4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	40.46	-33.54	74	57.87	31.3	10.15	58.86	-	-	P	H
		10935	51.12	-22.88	74	56.8	40.47	14.72	60.87	-	-	P	H
		10935	41.19	-12.81	54	46.87	40.47	14.72	60.87	-	-	A	H
		14490	49.44	-24.56	74	54.38	41.37	16.86	63.17	-	-	P	H
		14490	42.54	-11.46	54	47.48	41.37	16.86	63.17	-	-	A	H
		18000	58.39	-15.61	74	48.28	48.4	18.95	57.24	-	-	P	H
		18000	48.19	-5.81	54	38.08	48.4	18.95	57.24	-	-	A	H
													H
													H
													H
													H
													H
		4824	40.29	-33.71	74	57.7	31.3	10.15	58.86	-	-	P	V
		11040	50.62	-23.38	74	56.22	40.48	14.78	60.86	-	-	P	V
		11040	41.17	-12.83	54	46.77	40.48	14.78	60.86	-	-	A	V
		14475	50.22	-23.78	74	55.22	41.33	16.85	63.18	-	-	P	V
		14475	42.22	-11.78	54	47.22	41.33	16.85	63.18	-	-	A	V
		18000	58.03	-15.97	74	47.92	48.4	18.95	57.24	-	-	P	V
		18000	48.24	-5.76	54	38.13	48.4	18.95	57.24	-	-	A	V
													V
													V
													V
													V
													V



WIFI Ant. 4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 06 2437MHz		4874	41.76	-32.24	74	59.16	31.3	10.2	58.9	-	-	P	H
		7311	44.2	-29.8	74	53.89	36.32	12.42	58.43	-	-	P	H
		10920	50.5	-23.5	74	56.22	40.44	14.71	60.87	-	-	P	H
		10920	41.17	-12.83	54	46.89	40.44	14.71	60.87	-	-	A	H
		14490	49.19	-24.81	74	54.13	41.37	16.86	63.17	-	-	P	H
		14490	42.23	-11.77	54	47.17	41.37	16.86	63.17	-	-	A	H
		17985	57.62	-16.38	74	47.85	48.1	18.94	57.27	-	-	P	H
		17985	48.18	-5.82	54	38.41	48.1	18.94	57.27	-	-	A	H
													H
													H
													H
													H
		4874	40.06	-33.94	74	57.46	31.3	10.2	58.9	-	-	P	V
		7311	44.54	-29.46	74	54.23	36.32	12.42	58.43	-	-	P	V
		10995	50.44	-23.56	74	55.96	40.59	14.75	60.86	-	-	P	V
		10995	41.22	-12.78	54	46.74	40.59	14.75	60.86	-	-	A	V
		14490	50.17	-23.83	74	55.11	41.37	16.86	63.17	-	-	P	V
		14490	42.15	-11.85	54	47.09	41.37	16.86	63.17	-	-	A	V
		18000	57.93	-16.07	74	47.82	48.4	18.95	57.24	-	-	P	V
		18000	48.39	-5.61	54	38.28	48.4	18.95	57.24	-	-	A	V
													V
													V
													V
													V



WIFI Ant. 4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 11 2462MHz		4924	39.8	-34.2	74	57.1	31.4	10.25	58.95	-	-	P	H
		7386	44.03	-29.97	74	53.62	36.26	12.44	58.29	-	-	P	H
		11535	50.68	-23.32	74	56.34	40.23	15.02	60.91	-	-	P	H
		11535	40.81	-13.19	54	46.47	40.23	15.02	60.91	-	-	A	H
		14475	49.28	-24.72	74	54.28	41.33	16.85	63.18	-	-	P	H
		14475	41.89	-12.11	54	46.89	41.33	16.85	63.18	-	-	A	H
		18000	57.17	-16.83	74	47.06	48.4	18.95	57.24	-	-	P	H
		18000	48.28	-5.72	54	38.17	48.4	18.95	57.24	-	-	A	H
													H
													H
													H
													H
		4924	40.18	-33.82	74	57.48	31.4	10.25	58.95	-	-	P	V
		7386	44.75	-29.25	74	54.34	36.26	12.44	58.29	-	-	P	V
		10635	50.77	-23.23	74	57.31	39.8	14.57	60.91	-	-	P	V
		10635	40.33	-13.67	54	46.87	39.8	14.57	60.91	-	-	A	V
		14475	50.87	-23.13	74	55.87	41.33	16.85	63.18	-	-	P	V
		14475	42.17	-11.83	54	47.17	41.33	16.85	63.18	-	-	A	V
		18000	58.65	-15.35	74	48.54	48.4	18.95	57.24	-	-	P	V
		18000	48.2	-5.8	54	38.09	48.4	18.95	57.24	-	-	A	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



WIFI Ant. 4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 12 2467MHz		4934	43.09	-30.91	74	60.38	31.4	10.26	58.95	-	-	P	H
		7401	44.19	-29.81	74	53.81	36.2	12.45	58.27	-	-	P	H
		11415	50.44	-23.56	74	56.13	40.22	14.96	60.87	-	-	P	H
		11415	41.27	-12.73	54	46.96	40.22	14.96	60.87	-	-	A	H
		14490	50.63	-23.37	74	55.57	41.37	16.86	63.17	-	-	P	H
		14490	42.23	-11.77	54	47.17	41.37	16.86	63.17	-	-	A	H
		17985	58.08	-15.92	74	48.31	48.1	18.94	57.27	-	-	P	H
		17985	48.21	-5.79	54	38.44	48.1	18.94	57.27	-	-	A	H
													H
													H
													H
													H
		4934	42.08	-31.92	74	59.37	31.4	10.26	58.95	-	-	P	V
		7401	45.94	-28.06	74	55.56	36.2	12.45	58.27	-	-	P	V
		10875	50.6	-23.4	74	56.44	40.35	14.69	60.88	-	-	P	V
		10875	40.86	-13.14	54	46.7	40.35	14.69	60.88	-	-	A	V
		14490	49.88	-24.12	74	54.82	41.37	16.86	63.17	-	-	P	V
		14490	42.31	-11.69	54	47.25	41.37	16.86	63.17	-	-	A	V
		18000	58.26	-15.74	74	48.15	48.4	18.95	57.24	-	-	P	V
		18000	48.43	-5.57	54	38.32	48.4	18.95	57.24	-	-	A	V
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WIFI Ant. 4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 13 2472MHz		4944	41.33	-32.67	74	58.63	31.4	10.26	58.96	-	-	P	H
		7416	44.83	-29.17	74	54.35	36.26	12.46	58.24	-	-	P	H
		10995	50.57	-23.43	74	56.09	40.59	14.75	60.86	-	-	P	H
		10995	41.07	-12.93	54	46.59	40.59	14.75	60.86	-	-	A	H
		14475	49.66	-24.34	74	54.66	41.33	16.85	63.18	-	-	P	H
		14475	42.32	-11.68	54	47.32	41.33	16.85	63.18	-	-	A	H
		18000	57.54	-16.46	74	47.43	48.4	18.95	57.24	-	-	P	H
		18000	48.23	-5.77	54	38.12	48.4	18.95	57.24	-	-	A	H
													H
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													H
		4944	39.47	-34.53	74	56.77	31.4	10.26	58.96	-	-	P	V
		7416	44.3	-29.7	74	53.82	36.26	12.46	58.24	-	-	P	V
		11025	50.6	-23.4	74	56.17	40.52	14.77	60.86	-	-	P	V
		11025	41.21	-12.79	54	46.78	40.52	14.77	60.86	-	-	A	V
		14475	49.4	-24.6	74	54.4	41.33	16.85	63.18	-	-	P	V
		14475	42.22	-11.78	54	47.22	41.33	16.85	63.18	-	-	A	V
		18000	58.72	-15.28	74	48.61	48.4	18.95	57.24	-	-	P	V
		18000	48.23	-5.77	54	38.12	48.4	18.95	57.24	-	-	A	V
													V
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Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Emission above 18GHz

2.4GHz WIFI 802.11b (SHF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11b SHF		23152	41.9	-32.1	74	60.27	38.82	-3.12	54.07	-	-	P	H
													H
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													H
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2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		2383.08	49.35	-24.65	74	46.11	27.83	16.55	41.14	140	115	P	H
		2387.175	38.92	-15.08	54	35.67	27.83	16.56	41.14	140	115	A	H
	*	2412	107.58	-	-	104.38	27.75	16.6	41.15	140	115	P	H
	*	2412	104.72	-	-	101.52	27.75	16.6	41.15	140	115	A	H
													H
													H
		2384.865	49.74	-24.26	74	46.49	27.83	16.56	41.14	381	226	P	V
		2386.965	38.1	-15.9	54	34.85	27.83	16.56	41.14	381	226	A	V
	*	2412	103.62	-	-	100.42	27.75	16.6	41.15	381	226	P	V
	*	2412	100.52	-	-	97.32	27.75	16.6	41.15	381	226	A	V
													V
													V
802.11b CH 06 2437MHz		2362.48	48.47	-25.53	74	45.2	27.88	16.52	41.13	100	109	P	H
		2318.16	37.21	-16.79	54	33.93	27.96	16.44	41.12	100	109	A	H
	*	2437	104.75	-	-	101.61	27.65	16.64	41.15	100	109	P	H
	*	2437	101.36	-	-	98.22	27.65	16.64	41.15	100	109	A	H
		2492.26	47.72	-26.28	74	44.57	27.6	16.72	41.17	100	109	P	H
		2483.53	37.14	-16.86	54	34	27.6	16.71	41.17	100	109	A	H
		2311.76	48.79	-25.21	74	45.5	27.98	16.43	41.12	374	227	P	V
		2322.32	37.22	-16.78	54	33.93	27.96	16.45	41.12	374	227	A	V
	*	2437	101.08	-	-	97.94	27.65	16.64	41.15	374	227	P	V
	*	2437	97.63	-	-	94.49	27.65	16.64	41.15	374	227	A	V
		2488.84	47.3	-26.7	74	44.15	27.6	16.72	41.17	374	227	P	V
		2483.53	37.2	-16.8	54	34.06	27.6	16.71	41.17	374	227	A	V



802.11b CH 11 2462MHz	*	2462	104.19	-	-	101.07	27.6	16.68	41.16	132	117	P	H
	*	2462	100.94	-	-	97.82	27.6	16.68	41.16	132	117	A	H
		2496.05	48.75	-25.25	74	45.59	27.6	16.73	41.17	132	117	P	H
		2486.75	37.49	-16.51	54	34.35	27.6	16.71	41.17	132	117	A	H
													H
													H
	*	2462	100.32	-	-	97.2	27.6	16.68	41.16	359	227	P	V
	*	2462	96.85	-	-	93.73	27.6	16.68	41.16	359	227	A	V
		2484.3	49.06	-24.94	74	45.92	27.6	16.71	41.17	359	227	P	V
		2487.5	37.38	-16.62	54	34.23	27.6	16.72	41.17	359	227	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 12 2467MHz	*	2467	104.67	-	-	101.55	27.6	16.68	41.16	225	113	P	H
	*	2467	101.28	-	-	98.16	27.6	16.68	41.16	225	113	A	H
		2483.88	49.43	-24.57	74	46.29	27.6	16.71	41.17	225	113	P	H
		2484.32	41.29	-12.71	54	38.15	27.6	16.71	41.17	225	113	A	H
													H
													H
	*	2467	100.23	-	-	97.11	27.6	16.68	41.16	173	189	P	V
	*	2467	96.64	-	-	93.52	27.6	16.68	41.16	173	189	A	V
		2483.84	48.56	-25.44	74	45.42	27.6	16.71	41.17	173	189	P	V
		2484.32	39.21	-14.79	54	36.07	27.6	16.71	41.17	173	189	A	V
													V
													V
802.11b CH 13 2472MHz	*	2472	104.2	-	-	101.07	27.6	16.69	41.16	100	115	P	H
	*	2472	100.98	-	-	97.85	27.6	16.69	41.16	100	115	A	H
		2486.56	51.14	-22.86	74	48	27.6	16.71	41.17	100	115	P	H
		2485.92	43.43	-10.57	54	40.29	27.6	16.71	41.17	100	115	A	H
													H
													H
	*	2472	100.22	-	-	97.09	27.6	16.69	41.16	400	192	P	V
	*	2472	97.05	-	-	93.92	27.6	16.69	41.16	400	192	A	V
		2484.52	49.13	-24.87	74	45.99	27.6	16.71	41.17	400	192	P	V
		2485.76	39.99	-14.01	54	36.85	27.6	16.71	41.17	400	192	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. 3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	51.14	-22.86	74	68.55	31.3	10.15	58.86	100	76	P	H
		4824	48.58	-5.42	54	65.99	31.3	10.15	58.86	100	76	A	H
		10950	50.1	-23.9	74	55.74	40.5	14.73	60.87	-	-	P	H
		10950	41.13	-12.87	54	46.77	40.5	14.73	60.87	-	-	A	H
		14475	49.56	-24.44	74	54.56	41.33	16.85	63.18	-	-	P	H
		14475	42.18	-11.82	54	47.18	41.33	16.85	63.18	-	-	A	H
		18000	58.06	-15.94	74	47.95	48.4	18.95	57.24	-	-	P	H
		18000	48.33	-5.67	54	38.22	48.4	18.95	57.24	-	-	A	H
													H
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													H
													H
		4824	47.52	-26.48	74	64.93	31.3	10.15	58.86	100	38	P	V
		10980	50.41	-23.59	74	55.97	40.56	14.74	60.86	-	-	P	V
		10980	41.35	-12.65	54	46.91	40.56	14.74	60.86	-	-	A	V
		14475	49.25	-24.75	74	54.25	41.33	16.85	63.18	-	-	P	V
		14475	42.29	-11.71	54	47.29	41.33	16.85	63.18	-	-	A	V
		17970	58.11	-15.89	74	48.69	47.8	18.93	57.31	-	-	P	V
		17970	47.8	-6.2	54	38.38	47.8	18.93	57.31	-	-	A	V
													V
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WIFI Ant. 3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 06 2437MHz		4874	43.72	-30.28	74	61.12	31.3	10.2	58.9	100	89	P	H
		7311	53.98	-20.02	74	63.67	36.32	12.42	58.43	100	139	P	H
		7311	49.05	-4.95	54	58.74	36.32	12.42	58.43	100	139	A	H
		11145	51.1	-22.9	74	56.96	40.17	14.83	60.86	-	-	P	H
		11145	40.9	-13.1	54	46.76	40.17	14.83	60.86	-	-	A	H
		14475	49.07	-24.93	74	54.07	41.33	16.85	63.18	-	-	P	H
		14475	42.32	-11.68	54	47.32	41.33	16.85	63.18	-	-	A	H
		17985	57.46	-16.54	74	47.69	48.1	18.94	57.27	-	-	P	H
		17985	47.94	-6.06	54	38.17	48.1	18.94	57.27	-	-	A	H
													H
													H
													H
		4874	41.27	-32.73	74	58.67	31.3	10.2	58.9	100	121	P	V
		7311	53.73	-20.27	74	63.42	36.32	12.42	58.43	100	260	P	V
		7311	48.85	-5.15	54	58.54	36.32	12.42	58.43	100	260	A	V
		11040	50.47	-23.53	74	56.07	40.48	14.78	60.86	-	-	P	V
		11040	41.28	-12.72	54	46.88	40.48	14.78	60.86	-	-	A	V
		14475	49.2	-24.8	74	54.2	41.33	16.85	63.18	-	-	P	V
		14475	42.09	-11.91	54	47.09	41.33	16.85	63.18	-	-	A	V
		18000	58.57	-15.43	74	48.46	48.4	18.95	57.24	-	-	P	V
		18000	48.14	-5.86	54	38.03	48.4	18.95	57.24	-	-	A	V
													V
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WIFI Ant. 3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11b CH 11 2462MHz		4924	46.17	-27.83	74	63.47	31.4	10.25	58.95	100	121	P	H	
		7386	54.72	-19.28	74	64.31	36.26	12.44	58.29	100	300	P	H	
		7386	50.84	-3.16	54	60.43	36.26	12.44	58.29	100	300	A	H	
		11205	50.73	-23.27	74	56.73	40	14.86	60.86	-	-	P	H	
		11205	40.81	-13.19	54	46.81	40	14.86	60.86	-	-	A	H	
		14490	49.56	-24.44	74	54.5	41.37	16.86	63.17	-	-	P	H	
		14490	42.14	-11.86	54	47.08	41.37	16.86	63.17	-	-	A	H	
		18000	57.81	-16.19	74	47.7	48.4	18.95	57.24	-	-	P	H	
		18000	48.32	-5.68	54	38.21	48.4	18.95	57.24	-	-	A	H	
														H
														H
														H
		4924	45.77	-28.23	74	63.07	31.4	10.25	58.95	100	67	P	V	
		7386	53.24	-20.76	74	62.83	36.26	12.44	58.29	100	262	P	V	
		7386	47.99	-6.01	54	57.58	36.26	12.44	58.29	100	262	A	V	
		11250	49.9	-24.1	74	55.88	40	14.88	60.86	-	-	P	V	
		11250	40.92	-13.08	54	46.9	40	14.88	60.86	-	-	A	V	
		14475	49.11	-24.89	74	54.11	41.33	16.85	63.18	-	-	P	V	
		14475	42.08	-11.92	54	47.08	41.33	16.85	63.18	-	-	A	V	
		18000	57.86	-16.14	74	47.75	48.4	18.95	57.24	-	-	P	V	
		18000	48.1	-5.9	54	37.99	48.4	18.95	57.24	-	-	A	V	
														V
														V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.													



WIFI Ant. 3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 12 2467MHz		4934	46.63	-27.37	74	63.92	31.4	10.26	58.95	100	121	P	H
		7401	55.43	-18.57	74	65.05	36.2	12.45	58.27	100	300	P	H
		7401	50.95	-3.05	54	60.57	36.2	12.45	58.27	100	300	A	H
		11070	50.68	-23.32	74	56.36	40.39	14.79	60.86	-	-	P	H
		11070	41.06	-12.94	54	46.74	40.39	14.79	60.86	-	-	A	H
		14475	49.97	-24.03	74	54.97	41.33	16.85	63.18	-	-	P	H
		14475	42.08	-11.92	54	47.08	41.33	16.85	63.18	-	-	A	H
		18000	58.27	-15.73	74	48.16	48.4	18.95	57.24	-	-	P	H
		18000	48.28	-5.72	54	38.17	48.4	18.95	57.24	-	-	A	H
													H
													H
													H
		4934	44.6	-29.4	74	61.89	31.4	10.26	58.95	100	57	P	V
		7395	53.59	-20.41	74	63.2	36.22	12.45	58.28	100	265	P	V
		7395	49.77	-4.23	54	59.38	36.22	12.45	58.28	100	265	A	V
		10740	50.5	-23.5	74	56.82	39.96	14.62	60.9	-	-	P	V
		10740	40.6	-13.4	54	46.92	39.96	14.62	60.9	-	-	A	V
		14490	50.62	-23.38	74	55.56	41.37	16.86	63.17	-	-	P	V
		14490	42.28	-11.72	54	47.22	41.37	16.86	63.17	-	-	A	V
		17970	58.26	-15.74	74	48.84	47.8	18.93	57.31	-	-	P	V
		17970	47.64	-6.36	54	38.22	47.8	18.93	57.31	-	-	A	V
													V
													V
													V

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3				(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 13 2472MHz		4944	46.26	-27.74	74	63.56	31.4	10.26	58.96	100	129	P	H
		7416	54.44	-19.56	74	63.96	36.26	12.46	58.24	100	300	P	H
		7416	49.85	-4.15	54	59.37	36.26	12.46	58.24	100	300	A	H
		11070	50.73	-23.27	74	56.41	40.39	14.79	60.86	-	-	P	H
		11070	41.2	-12.8	54	46.88	40.39	14.79	60.86	-	-	A	H
		14490	49.35	-24.65	74	54.29	41.37	16.86	63.17	-	-	P	H
		14490	42	-12	54	46.94	41.37	16.86	63.17	-	-	A	H
		18000	58.96	-15.04	74	48.85	48.4	18.95	57.24	-	-	P	H
		18000	48.28	-5.72	54	38.17	48.4	18.95	57.24	-	-	A	H
													H
													H
													H
		4944	45.21	-28.79	74	62.51	31.4	10.26	58.96	100	21	P	V
		7416	52.95	-21.05	74	62.47	36.26	12.46	58.24	100	256	P	V
		7416	48.89	-5.11	54	58.41	36.26	12.46	58.24	100	256	A	V
		11385	50.38	-23.62	74	56.13	40.17	14.95	60.87	-	-	P	V
		11385	41.04	-12.96	54	46.79	40.17	14.95	60.87	-	-	A	V
		14475	50.01	-23.99	74	55.01	41.33	16.85	63.18	-	-	P	V
		14475	42.28	-11.72	54	47.28	41.33	16.85	63.18	-	-	A	V
		18000	57.7	-16.3	74	47.59	48.4	18.95	57.24	-	-	P	V
		18000	48.32	-5.68	54	38.21	48.4	18.95	57.24	-	-	A	V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Emission above 18GHz

2.4GHz WIFI 802.11b (SHF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11b SHF		23352	41.68	-32.32	74	59.9	38.86	-3.05	54.03	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		24896	41.28	-32.72	74	57.79	39.28	-2.81	52.98	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
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2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.485	64.3	-9.7	74	61.06	27.82	16.56	41.14	100	205	P	H
		2390	51.92	-2.08	54	48.68	27.82	16.56	41.14	100	205	A	H
	*	2412	109.88	-	-	106.68	27.75	16.6	41.15	100	205	P	H
	*	2412	102.38	-	-	99.18	27.75	16.6	41.15	100	205	A	H
													H
													H
		2389.38	54.54	-19.46	74	51.3	27.82	16.56	41.14	377	233	P	V
		2390	44.43	-9.57	54	41.19	27.82	16.56	41.14	377	233	A	V
	*	2412	106.38	-	-	103.18	27.75	16.6	41.15	377	233	P	V
	*	2412	98.54	-	-	95.34	27.75	16.6	41.15	377	233	A	V
													V
													V
802.11g CH 06 2437MHz		2390	52.07	-21.93	74	48.83	27.82	16.56	41.14	100	208	P	H
		2378	38.29	-15.71	54	35.05	27.84	16.54	41.14	100	208	A	H
	*	2437	110.97	-	-	107.83	27.65	16.64	41.15	100	208	P	H
	*	2437	103.67	-	-	100.53	27.65	16.64	41.15	100	208	A	H
		2484.07	49.41	-24.59	74	46.27	27.6	16.71	41.17	100	208	P	H
		2483.98	38.46	-15.54	54	35.32	27.6	16.71	41.17	100	208	A	H
		2310.16	49.11	-24.89	74	45.82	27.98	16.43	41.12	400	300	P	V
		2388.4	38.48	-15.52	54	35.24	27.82	16.56	41.14	400	300	A	V
	*	2437	107.28	-	-	104.14	27.65	16.64	41.15	400	300	P	V
	*	2437	98.59	-	-	95.45	27.65	16.64	41.15	400	300	A	V
		2483.89	49.19	-24.81	74	46.05	27.6	16.71	41.17	400	300	P	V
		2483.98	38.56	-15.44	54	35.42	27.6	16.71	41.17	400	300	A	V



802.11g CH 11 2462MHz	*	2462	110.87	-	-	107.75	27.6	16.68	41.16	111	217	P	H
	*	2462	103.18	-	-	100.06	27.6	16.68	41.16	111	217	A	H
		2483.76	63.59	-10.41	74	60.45	27.6	16.71	41.17	111	217	P	H
		2483.64	51.44	-2.56	54	48.3	27.6	16.71	41.17	111	217	A	H
													H
													H
	*	2462	103.76	-	-	100.64	27.6	16.68	41.16	184	306	P	V
	*	2462	96.01	-	-	92.89	27.6	16.68	41.16	184	306	A	V
		2483.92	51.62	-22.38	74	48.48	27.6	16.71	41.17	184	306	P	V
		2483.68	40.39	-13.61	54	37.25	27.6	16.71	41.17	184	306	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 12 2467MHz	*	2467	109.55	-	-	106.43	27.6	16.68	41.16	106	218	P	H
	*	2467	101.75	-	-	98.63	27.6	16.68	41.16	106	218	A	H
		2484.32	62.01	-11.99	74	58.87	27.6	16.71	41.17	106	218	P	H
		2483.68	52.13	-1.87	54	48.99	27.6	16.71	41.17	106	218	A	H
													H
													H
	*	2467	98.59	-	-	95.47	27.6	16.68	41.16	247	304	P	V
	*	2467	90.52	-	-	87.4	27.6	16.68	41.16	247	304	A	V
		2484.28	48.71	-25.29	74	45.57	27.6	16.71	41.17	247	304	P	V
		2483.64	39.49	-14.51	54	36.35	27.6	16.71	41.17	247	304	A	V
													V
													V
802.11g CH 13 2472MHz	*	2472	107.47	-	-	104.34	27.6	16.69	41.16	100	212	P	H
	*	2472	100.12	-	-	96.99	27.6	16.69	41.16	100	212	A	H
		2485.28	62.66	-11.34	74	59.52	27.6	16.71	41.17	100	212	P	H
		2483.8	51.04	-2.96	54	47.9	27.6	16.71	41.17	100	212	A	H
													H
													H
	*	2472	103.59	-	-	100.46	27.6	16.69	41.16	354	303	P	V
	*	2472	95.75	-	-	92.62	27.6	16.69	41.16	354	303	A	V
		2483.8	52.26	-21.74	74	49.12	27.6	16.71	41.17	354	303	P	V
		2483.52	42.55	-11.45	54	39.41	27.6	16.71	41.17	354	303	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. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	40.15	-33.85	74	57.56	31.3	10.15	58.86	-	-	P	H
		7250	52.27	-21.73	74	62.1	36.3	12.4	58.53	100	301	P	H
		7250	39.88	-14.12	54	49.71	36.3	12.4	58.53	100	301	A	H
		10965	52.12	-21.88	74	57.71	40.53	14.74	60.86	-	-	P	H
		10965	42.05	-11.95	54	47.64	40.53	14.74	60.86	-	-	A	H
		14500	51.18	-22.82	74	56.09	41.4	16.86	63.17	-	-	P	H
		14500	41.16	-12.84	54	46.07	41.4	16.86	63.17	-	-	A	H
		18000	58.87	-15.13	74	48.76	48.4	18.95	57.24	-	-	P	H
		18000	48.83	-5.17	54	38.72	48.4	18.95	57.24	-	-	A	H
													H
													H
													H
		4824	39.3	-34.7	74	56.71	31.3	10.15	58.86	-	-	P	V
		7250	53.51	-20.49	74	63.34	36.3	12.4	58.53	100	260	P	V
		7250	39.73	-14.27	54	49.56	36.3	12.4	58.53	100	260	A	V
		10605	50.62	-23.38	74	57.18	39.8	14.56	60.92	-	-	P	V
		10605	40.66	-13.34	54	47.22	39.8	14.56	60.92	-	-	A	V
		14500	51.77	-22.23	74	56.68	41.4	16.86	63.17	-	-	P	V
		14505	41.71	-12.29	54	46.61	41.4	16.87	63.17	-	-	A	V
		18000	59.24	-14.76	74	49.13	48.4	18.95	57.24	-	-	P	V
		18000	49.22	-4.78	54	39.11	48.4	18.95	57.24	-	-	A	V
													V
													V
													V



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 06 2437MHz		4874	50.32	-23.68	74	67.72	31.3	10.2	58.9	100	97	P	H
		4874	38.89	-15.11	54	56.29	31.3	10.2	58.9	100	97	A	H
		7311	62.06	-11.94	74	71.75	36.32	12.42	58.43	100	139	P	H
		7311	49.1	-4.9	54	58.79	36.32	12.42	58.43	100	139	A	H
		10980	51.32	-22.68	74	56.88	40.56	14.74	60.86	-	-	P	H
		10980	40.28	-13.72	54	45.84	40.56	14.74	60.86	-	-	A	H
		14490	50.82	-23.18	74	55.76	41.37	16.86	63.17	-	-	P	H
		14490	40.8	-13.2	54	45.74	41.37	16.86	63.17	-	-	A	H
		17985	58.53	-15.47	74	48.76	48.1	18.94	57.27	-	-	P	H
		17985	48.48	-5.52	54	38.71	48.1	18.94	57.27	-	-	A	H
													H
													H
		4874	47.82	-26.18	74	65.22	31.3	10.2	58.9	400	200	P	V
		4874	36.22	-17.78	54	53.62	31.3	10.2	58.9	400	200	A	V
		7311	60.85	-13.15	74	70.54	36.32	12.42	58.43	100	257	P	V
		7311	47.46	-6.54	54	57.15	36.32	12.42	58.43	100	257	A	V
		10935	51.6	-22.4	74	57.28	40.47	14.72	60.87	-	-	P	V
		10935	41.59	-12.41	54	47.27	40.47	14.72	60.87	-	-	A	V
		14490	50.62	-23.38	74	55.56	41.37	16.86	63.17	-	-	P	V
		14490	40.6	-13.4	54	45.54	41.37	16.86	63.17	-	-	A	V
		18000	59.27	-14.73	74	49.16	48.4	18.95	57.24	-	-	P	V
		18000	49.26	-4.74	54	39.15	48.4	18.95	57.24	-	-	A	V
													V
													V



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 11 2462MHz		4924	40.96	-33.04	74	58.26	31.4	10.25	58.95	-	-	P	H
		7386	46.77	-27.23	74	56.36	36.26	12.44	58.29	-	-	P	H
		10995	52.1	-21.9	74	57.62	40.59	14.75	60.86	-	-	P	H
		10995	42.09	-11.91	54	47.61	40.59	14.75	60.86	-	-	A	H
		14475	51.54	-22.46	74	56.54	41.33	16.85	63.18	-	-	P	H
		14475	41.52	-12.48	54	46.52	41.33	16.85	63.18	-	-	A	H
		17985	59.13	-14.87	74	49.36	48.1	18.94	57.27	-	-	P	H
		17985	49.12	-4.88	54	39.35	48.1	18.94	57.27	-	-	A	H
													H
													H
													H
													H
		4924	41.32	-32.68	74	58.62	31.4	10.25	58.95	-	-	P	V
		7386	46.64	-27.36	74	56.23	36.26	12.44	58.29	-	-	P	V
		10920	51.06	-22.94	74	56.78	40.44	14.71	60.87	-	-	P	V
		10920	41.02	-12.98	54	46.74	40.44	14.71	60.87	-	-	A	V
		14500	51.26	-22.74	74	56.17	41.4	16.86	63.17	-	-	P	V
		14500	41.23	-12.77	54	46.14	41.4	16.86	63.17	-	-	A	V
		18000	59.27	-14.73	74	49.16	48.4	18.95	57.24	-	-	P	V
		18000	49.24	-4.76	54	39.13	48.4	18.95	57.24	-	-	A	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
i802.11g CH 12 2467MHz		4934	40.4	-33.6	74	57.69	31.4	10.26	58.95	-	-	P	H
		7401	45.63	-28.37	74	55.25	36.2	12.45	58.27	-	-	P	H
		10770	51.96	-22.04	74	58.13	40.08	14.64	60.89	-	-	P	H
		10770	41.94	-12.06	54	48.11	40.08	14.64	60.89	-	-	A	H
		14500	50.68	-23.32	74	55.59	41.4	16.86	63.17	-	-	P	H
		14500	40.66	-13.34	54	45.57	41.4	16.86	63.17	-	-	A	H
		18000	58.54	-15.46	74	48.43	48.4	18.95	57.24	-	-	P	H
		18000	48.66	-5.34	54	38.55	48.4	18.95	57.24	-	-	A	H
													H
													H
													H
													H
		4934	40.66	-33.34	74	57.95	31.4	10.26	58.95	-	-	P	V
		7401	45.22	-28.78	74	54.84	36.2	12.45	58.27	-	-	P	V
		10950	51.51	-22.49	74	57.15	40.5	14.73	60.87	-	-	P	V
		10950	41.5	-12.5	54	47.14	40.5	14.73	60.87	-	-	A	V
		14500	51.93	-22.07	74	56.84	41.4	16.86	63.17	-	-	P	V
		14500	41.91	-12.09	54	46.82	41.4	16.86	63.17	-	-	A	V
		18000	58.86	-15.14	74	48.75	48.4	18.95	57.24	-	-	P	V
		18000	48.87	-5.13	54	38.76	48.4	18.95	57.24	-	-	A	V
													V
													V
													V
													V



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 13 2472MHz		4944	40.57	-33.43	74	57.87	31.4	10.26	58.96	-	-	P	H
		7416	45.28	-28.72	74	54.8	36.26	12.46	58.24	-	-	P	H
		10890	51.76	-22.24	74	57.56	40.38	14.7	60.88	-	-	P	H
		10890	41.73	-12.27	54	47.53	40.38	14.7	60.88	-	-	A	H
		14500	51	-23	74	55.91	41.4	16.86	63.17	-	-	P	H
		14500	40.98	-13.02	54	45.89	41.4	16.86	63.17	-	-	A	H
		17985	59.16	-14.84	74	49.39	48.1	18.94	57.27	-	-	P	H
		17985	49.09	-4.91	54	39.32	48.1	18.94	57.27	-	-	A	H
													H
													H
													H
													H
		4944	40.23	-33.77	74	57.53	31.4	10.26	58.96	-	-	P	V
		7416	44.83	-29.17	74	54.35	36.26	12.46	58.24	-	-	P	V
		10635	51.22	-22.78	74	57.76	39.8	14.57	60.91	-	-	P	V
		10635	41.18	-12.82	54	47.72	39.8	14.57	60.91	-	-	A	V
		14475	51.13	-22.87	74	56.13	41.33	16.85	63.18	-	-	P	V
		14475	41.1	-12.9	54	46.1	41.33	16.85	63.18	-	-	A	V
		18000	59.74	-14.26	74	49.63	48.4	18.95	57.24	-	-	P	V
		18000	49.72	-4.28	54	39.61	48.4	18.95	57.24	-	-	A	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		2389.905	64.69	-9.31	74	61.45	27.82	16.56	41.14	100	209	P	H
		2389.905	51.41	-2.59	54	48.17	27.82	16.56	41.14	100	209	A	H
	*	2412	108.75	-	-	105.55	27.75	16.6	41.15	100	209	P	H
	*	2412	101.32	-	-	98.12	27.75	16.6	41.15	100	209	A	H
													H
													H
		2390	52.35	-21.65	74	49.11	27.82	16.56	41.14	259	322	P	V
		2390	41.27	-12.73	54	38.03	27.82	16.56	41.14	259	322	A	V
	*	2412	99.28	-	-	96.08	27.75	16.6	41.15	259	322	P	V
	*	2412	91.22	-	-	88.02	27.75	16.6	41.15	259	322	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2389.04	53.54	-20.46	74	50.3	27.82	16.56	41.14	125	209	P	H
		2389.36	38.66	-15.34	54	35.42	27.82	16.56	41.14	125	209	A	H
	*	2437	111.05	-	-	107.91	27.65	16.64	41.15	125	209	P	H
	*	2437	103.79	-	-	100.65	27.65	16.64	41.15	125	209	A	H
		2484.07	50.69	-23.31	74	47.55	27.6	16.71	41.17	125	209	P	H
		2483.62	38.95	-15.05	54	35.81	27.6	16.71	41.17	125	209	A	H
		2364.88	48.79	-25.21	74	45.53	27.87	16.52	41.13	400	298	P	V
		2367.76	38.44	-15.56	54	35.19	27.86	16.53	41.14	400	298	A	V
	*	2437	105.17	-	-	102.03	27.65	16.64	41.15	400	298	P	V
	*	2437	96.62	-	-	93.48	27.65	16.64	41.15	400	298	A	V
		2483.53	50.01	-23.99	74	46.87	27.6	16.71	41.17	400	298	P	V
		2484.88	38.75	-15.25	54	35.61	27.6	16.71	41.17	400	298	A	V



802.11n HT20 CH 11 2462MHz	*	2462	110.81	-	-	107.69	27.6	16.68	41.16	110	219	P	H
	*	2462	102.46	-	-	99.34	27.6	16.68	41.16	110	219	A	H
		2484.84	63.11	-10.89	74	59.97	27.6	16.71	41.17	110	219	P	H
		2483.56	51.13	-2.87	54	47.99	27.6	16.71	41.17	110	219	A	H
													H
													H
	*	2462	106.37	-	-	103.25	27.6	16.68	41.16	400	303	P	V
	*	2462	98.61	-	-	95.49	27.6	16.68	41.16	400	303	A	V
		2483.6	55.61	-18.39	74	52.47	27.6	16.71	41.17	400	303	P	V
		2483.56	44.67	-9.33	54	41.53	27.6	16.71	41.17	400	303	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 12 2467MHz	*	2467	108.52	-	-	105.4	27.6	16.68	41.16	100	214	P	H
	*	2467	100.63	-	-	97.51	27.6	16.68	41.16	100	214	A	H
		2485.04	62.86	-11.14	74	59.72	27.6	16.71	41.17	100	214	P	H
		2485.04	51.57	-2.43	54	48.43	27.6	16.71	41.17	100	214	A	H
													H
													H
	*	2467	102.16	-	-	99.04	27.6	16.68	41.16	244	316	P	V
	*	2467	93.98	-	-	90.86	27.6	16.68	41.16	244	316	A	V
		2483.6	50.17	-23.83	74	47.03	27.6	16.71	41.17	244	316	P	V
		2484.4	40.68	-13.32	54	37.54	27.6	16.71	41.17	244	316	A	V
													V
													V
802.11n HT20 CH 13 2472MHz	*	2472	107.35	-	-	104.22	27.6	16.69	41.16	100	214	P	H
	*	2472	99.23	-	-	96.1	27.6	16.69	41.16	100	214	A	H
		2486.12	62.2	-11.8	74	59.06	27.6	16.71	41.17	100	214	P	H
		2483.6	51.06	-2.94	54	47.92	27.6	16.71	41.17	100	214	A	H
													H
													H
	*	2472	103.87	-	-	100.74	27.6	16.69	41.16	400	297	P	V
	*	2472	95.6	-	-	92.47	27.6	16.69	41.16	400	297	A	V
		2483.6	52.66	-21.34	74	49.52	27.6	16.71	41.17	400	297	P	V
		2483.52	43.89	-10.11	54	40.75	27.6	16.71	41.17	400	297	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. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		4824	41.35	-32.65	74	58.76	31.3	10.15	58.86	-	-	P	H
		10890	51.34	-22.66	74	57.14	40.38	14.7	60.88	-	-	P	H
		10890	41.33	-12.67	54	47.13	40.38	14.7	60.88	-	-	A	H
		14490	50.68	-23.32	74	55.62	41.37	16.86	63.17	-	-	P	H
		14490	40.67	-13.33	54	45.61	41.37	16.86	63.17	-	-	A	H
		18000	59.02	-14.98	74	48.91	48.4	18.95	57.24	-	-	P	H
		18000	49.01	-4.99	54	38.9	48.4	18.95	57.24	-	-	A	H
										-	-		H
													H
													H
													H
													H
		4824	40.16	-33.84	74	57.57	31.3	10.15	58.86	-	-	P	V
		10890	52.13	-21.87	74	57.93	40.38	14.7	60.88	-	-	P	V
		10890	42.11	-11.89	54	47.91	40.38	14.7	60.88	-	-	A	V
		14475	51.28	-22.72	74	56.28	41.33	16.85	63.18	-	-	P	V
		14475	41.26	-12.74	54	46.26	41.33	16.85	63.18	-	-	A	V
		17985	58.69	-15.31	74	48.92	48.1	18.94	57.27	-	-	P	V
		17985	48.73	-5.27	54	38.96	48.1	18.94	57.27	-	-	A	V
													V
													V
													V
													V
													V



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 06 2437MHz		4874	50.66	-23.34	74	68.06	31.3	10.2	58.9	100	72	P	H
		4874	39.37	-14.63	54	56.77	31.3	10.2	58.9	100	72	A	H
		7311	63.54	-10.46	74	73.23	36.32	12.42	58.43	100	138	P	H
		7311	50.23	-3.77	54	59.92	36.32	12.42	58.43	100	138	A	H
		10815	51.54	-22.46	74	57.54	40.23	14.66	60.89	-	-	P	H
		10815	41.53	-12.47	54	47.53	40.23	14.66	60.89	-	-	A	H
		14490	51.07	-22.93	74	56.01	41.37	16.86	63.17	-	-	P	H
		14490	41.08	-12.92	54	46.02	41.37	16.86	63.17	-	-	A	H
		18000	59.54	-14.46	74	49.43	48.4	18.95	57.24	-	-	P	H
		18000	49.53	-4.47	54	39.42	48.4	18.95	57.24	-	-	A	H
													H
													H
		4874	48.23	-25.77	74	65.63	31.3	10.2	58.9	400	252	P	V
		4874	35.97	-18.03	54	53.37	31.3	10.2	58.9	400	252	A	V
		7311	60.8	-13.2	74	70.49	36.32	12.42	58.43	100	264	P	V
		7311	48.67	-5.33	54	58.36	36.32	12.42	58.43	100	264	A	V
		10800	51.2	-22.8	74	57.24	40.2	14.65	60.89	-	-	P	V
		10800	41.19	-12.81	54	47.23	40.2	14.65	60.89	-	-	A	V
		14475	51.88	-22.12	74	56.88	41.33	16.85	63.18	-	-	P	V
		14475	41.87	-12.13	54	46.87	41.33	16.85	63.18	-	-	A	V
		17985	59.4	-14.6	74	49.63	48.1	18.94	57.27	-	-	P	V
		17985	49.38	-4.62	54	39.61	48.1	18.94	57.27	-	-	A	V
													V
													V



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 11 2462MHz		4924	42.11	-31.89	74	59.41	31.4	10.25	58.95	-	-	P	H
		7386	47.52	-26.48	74	57.11	36.26	12.44	58.29	-	-	P	H
		10875	51.3	-22.7	74	57.14	40.35	14.69	60.88	-	-	P	H
		10875	41.33	-12.67	54	47.17	40.35	14.69	60.88	-	-	A	H
		14475	50.94	-23.06	74	55.94	41.33	16.85	63.18	-	-	P	H
		14475	40.93	-13.07	54	45.93	41.33	16.85	63.18	-	-	A	H
		18000	58.92	-15.08	74	48.81	48.4	18.95	57.24	-	-	P	H
		18000	48.93	-5.07	54	38.82	48.4	18.95	57.24	-	-	A	H
													H
													H
													H
													H
		4924	41.48	-32.52	74	58.78	31.4	10.25	58.95	-	-	P	V
		7386	46.76	-27.24	74	56.35	36.26	12.44	58.29	-	-	P	V
		10650	52.31	-21.69	74	58.84	39.8	14.58	60.91	-	-	P	V
		10650	42.3	-11.7	54	48.83	39.8	14.58	60.91	-	-	A	V
		14475	50.77	-23.23	74	55.77	41.33	16.85	63.18	-	-	P	V
		14475	40.75	-13.25	54	45.75	41.33	16.85	63.18	-	-	A	V
		18000	59.04	-14.96	74	48.93	48.4	18.95	57.24	-	-	P	V
		18000	49.03	-4.97	54	38.92	48.4	18.95	57.24	-	-	A	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 12 2467MHz		4934	40.52	-33.48	74	57.81	31.4	10.26	58.95	-	-	P	H
		7401	45.1	-28.9	74	54.72	36.2	12.45	58.27	-	-	P	H
		10890	51.85	-22.15	74	57.65	40.38	14.7	60.88	-	-	P	H
		10890	41.57	-12.43	54	47.37	40.38	14.7	60.88	-	-	A	H
		14475	50.76	-23.24	74	55.76	41.33	16.85	63.18	-	-	P	H
		14475	40.74	-13.26	54	45.74	41.33	16.85	63.18	-	-	A	H
		18000	60.03	-13.97	74	49.92	48.4	18.95	57.24	-	-	P	H
		18000	50.02	-3.98	54	39.91	48.4	18.95	57.24	-	-	A	H
													H
													H
													H
													H
		4934	40.74	-33.26	74	58.03	31.4	10.26	58.95	-	-	P	V
		7401	44.88	-29.12	74	54.5	36.2	12.45	58.27	-	-	P	V
		10965	51.22	-22.78	74	56.81	40.53	14.74	60.86	-	-	P	V
		10965	41.2	-12.8	54	46.79	40.53	14.74	60.86	-	-	A	V
		14475	50.68	-23.32	74	55.68	41.33	16.85	63.18	-	-	P	V
		14475	40.62	-13.38	54	45.62	41.33	16.85	63.18	-	-	A	V
		18000	59.24	-14.76	74	49.13	48.4	18.95	57.24	-	-	P	V
		18000	49.23	-4.77	54	39.12	48.4	18.95	57.24	-	-	A	V
													V
													V
													V
													V



WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 13 2472MHz		4944	40.15	-33.85	74	57.45	31.4	10.26	58.96	-	-	P	H
		7416	46.31	-27.69	74	55.83	36.26	12.46	58.24	-	-	P	H
		10935	51.7	-22.3	74	57.38	40.47	14.72	60.87	-	-	P	H
		10935	41.68	-12.32	54	47.36	40.47	14.72	60.87	-	-	A	H
		14475	51.48	-22.52	74	56.48	41.33	16.85	63.18	-	-	P	H
		14475	41.43	-12.57	54	46.43	41.33	16.85	63.18	-	-	A	H
		18000	58.72	-15.28	74	48.61	48.4	18.95	57.24	-	-	P	H
		18000	48.78	-5.22	54	38.67	48.4	18.95	57.24	-	-	A	H
													H
													H
													H
													H
		4944	40.63	-33.37	74	57.93	31.4	10.26	58.96	-	-	P	V
		7416	45.76	-28.24	74	55.28	36.26	12.46	58.24	-	-	P	V
		10830	51.43	-22.57	74	57.38	40.26	14.67	60.88	-	-	P	V
		10830	41.41	-12.59	54	47.36	40.26	14.67	60.88	-	-	A	V
		14475	50.56	-23.44	74	55.56	41.33	16.85	63.18	-	-	P	V
		14475	40.54	-13.46	54	45.54	41.33	16.85	63.18	-	-	A	V
		18000	60.24	-13.76	74	50.13	48.4	18.95	57.24	-	-	P	V
		18000	50.22	-3.78	54	40.11	48.4	18.95	57.24	-	-	A	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Emission above 18GHz

2.4GHz WIFI 802.11g (SHF)

[illegible]

Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

[illegible]



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. 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) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. 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 D. Radiated Spurious Emission Plots

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55.0~60.0%

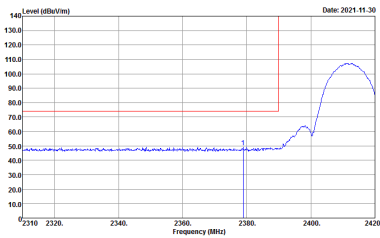
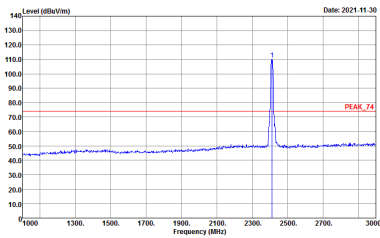
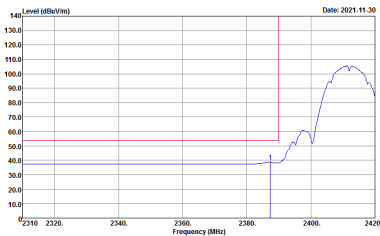
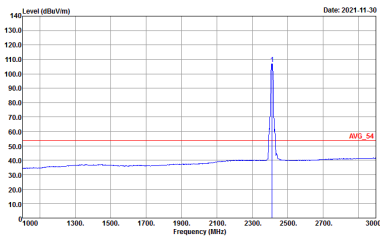
Note symbol

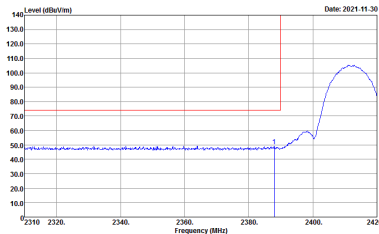
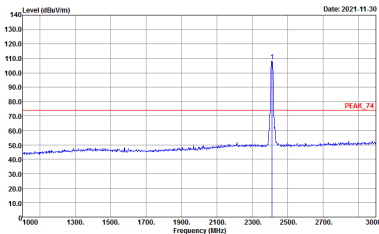
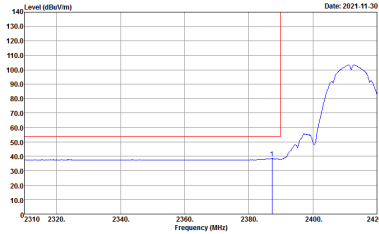
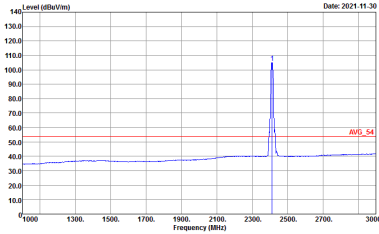
-L	Low channel location
-R	High channel location



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

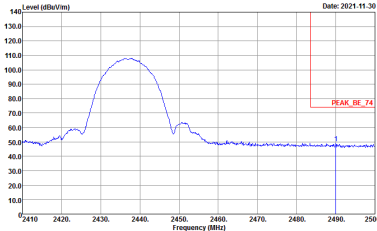
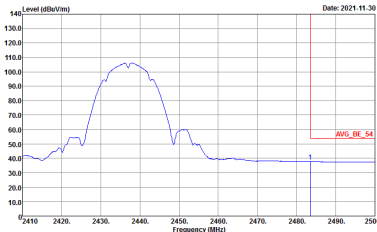
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
4	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

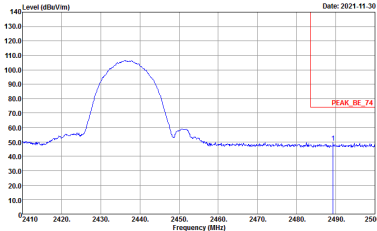
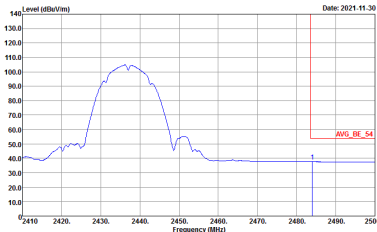


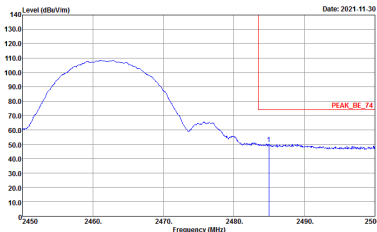
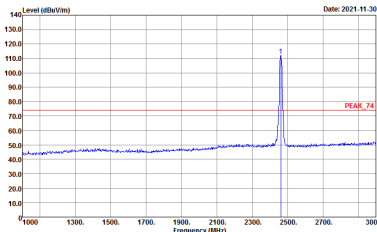
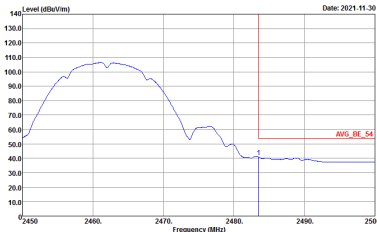
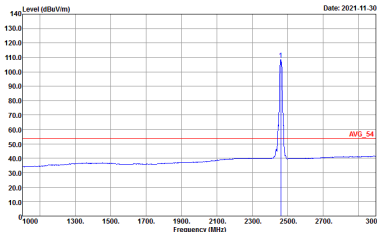
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



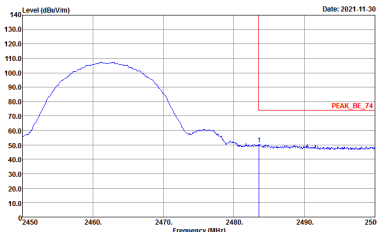
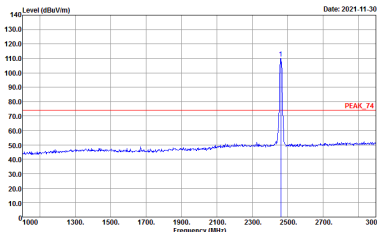
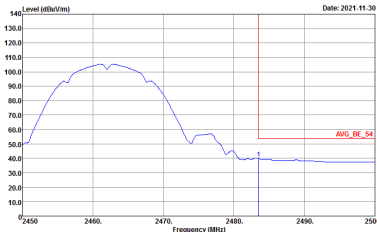
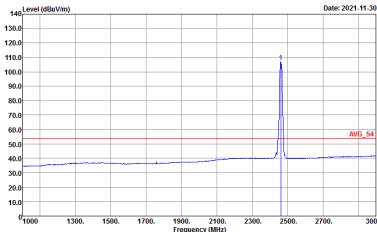
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
4	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

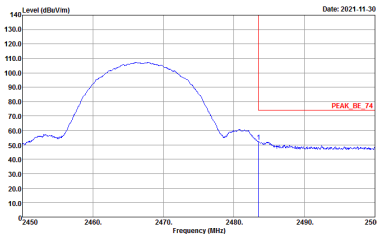
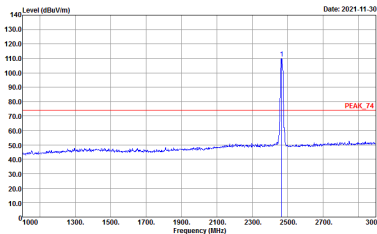
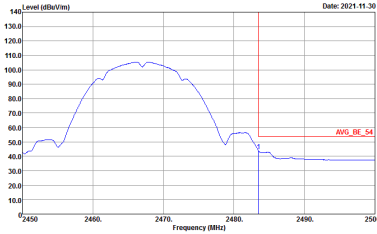
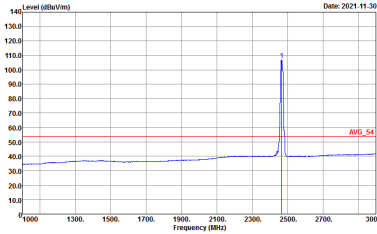
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : : AVG_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

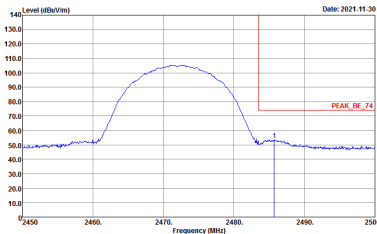
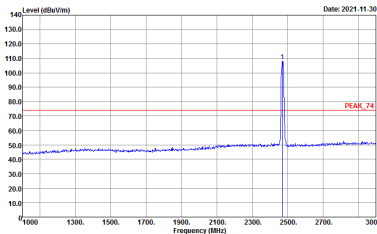
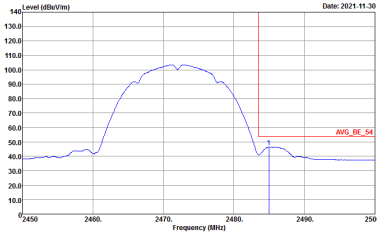
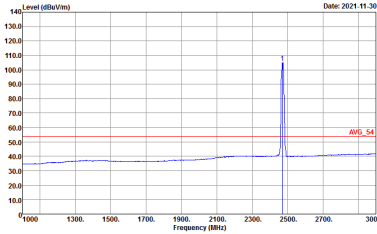


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
4	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

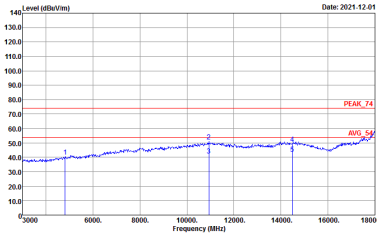
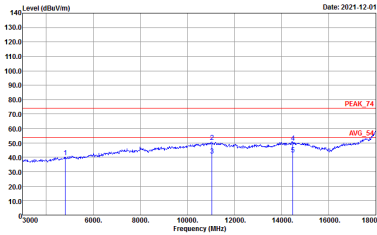


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
4	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

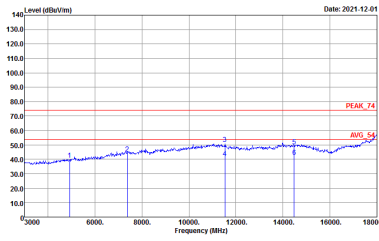
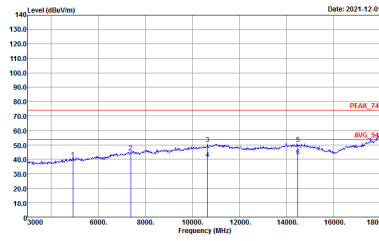


2.4GHz 2400~2483.5MHz
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL Detector : Peak



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
4	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL Detector : Peak

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 VERTICAL Detector : Peak



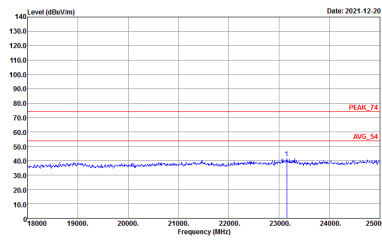
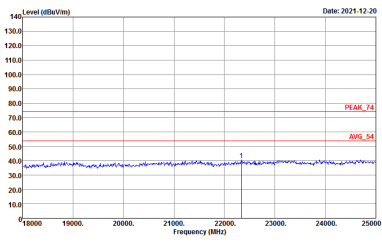
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH12 2467MHz	
4	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 VERTICAL Detector : Peak



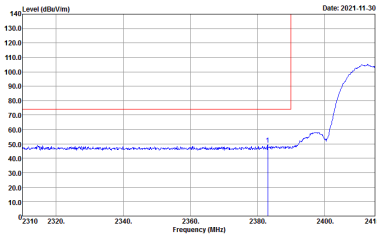
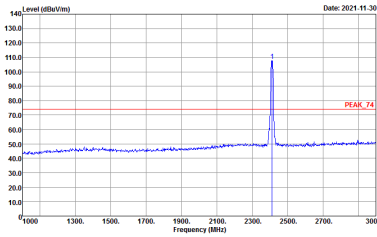
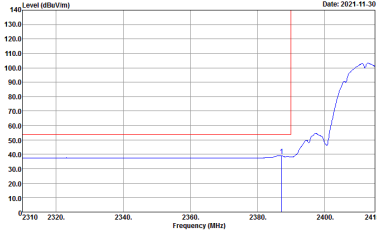
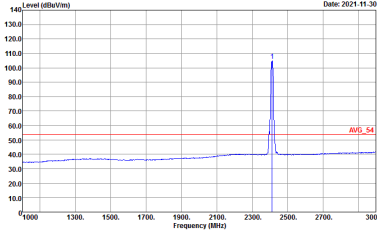
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH13 2472MHz	
4	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 VERTICAL Detector : Peak



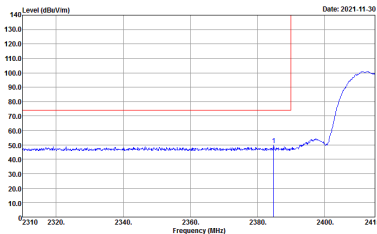
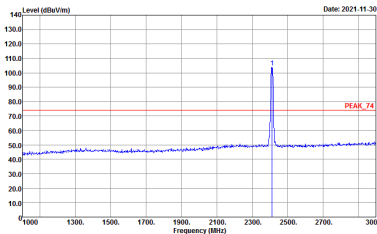
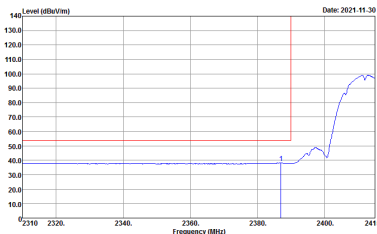
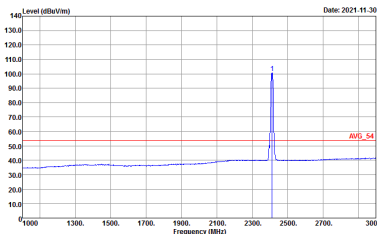
Emission above 18GHz
2.4GHz WIFI 802.11b (SHF @ 1m)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11b SHF	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK_74 1m SHF HORN_0099L_21051 HORIZONTAL Detector : Peak	 Site : 03CH16-HY Condition : PEAK_74 1m SHF HORN_0099L_21051 VERTICAL Detector : Peak

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	
3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

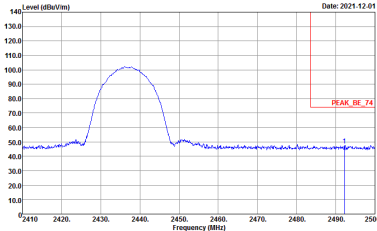
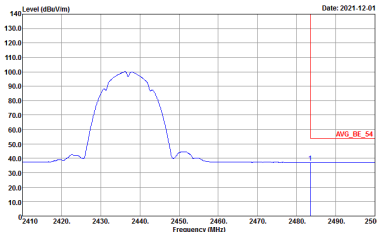


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
3	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

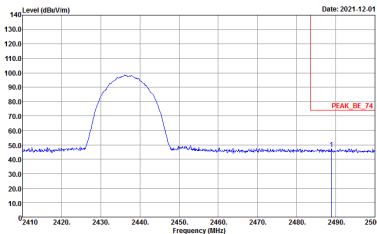
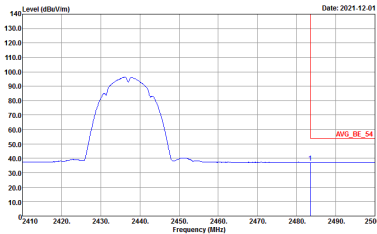


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

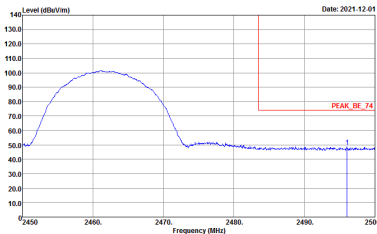
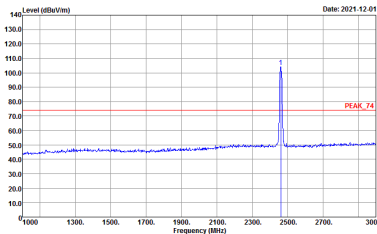
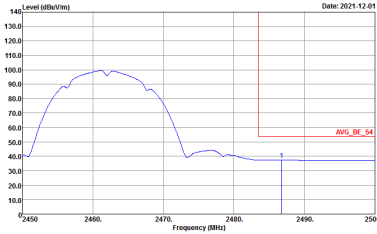
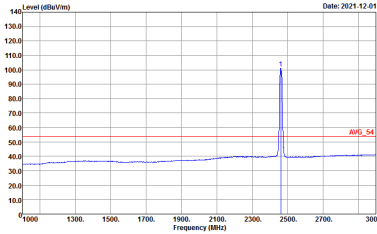


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

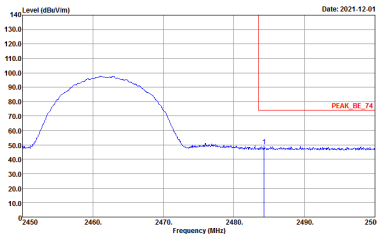
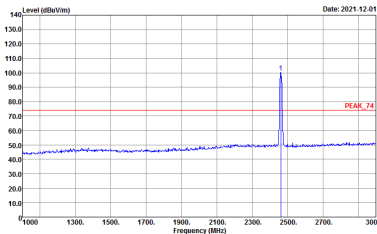
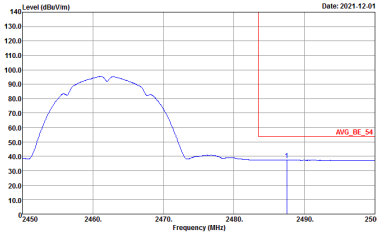
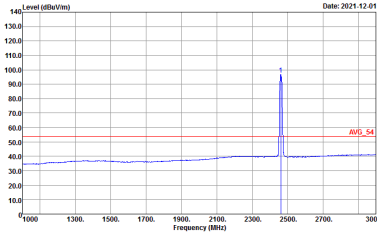


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



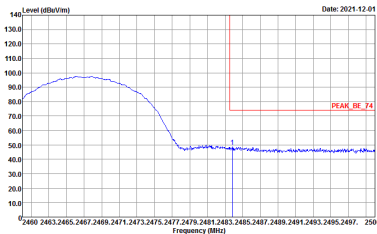
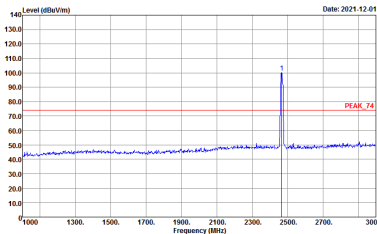
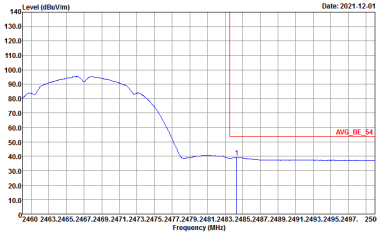
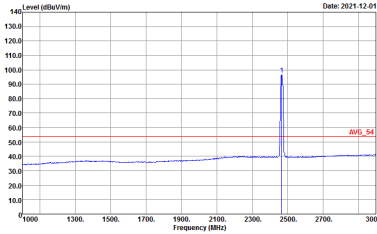
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



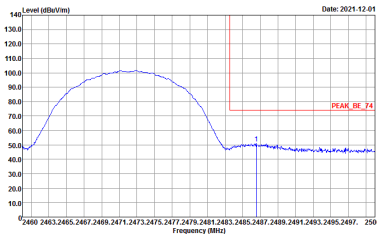
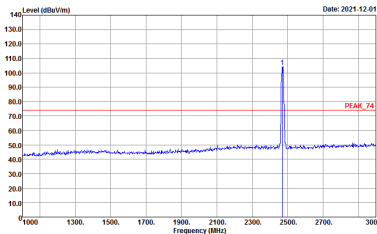
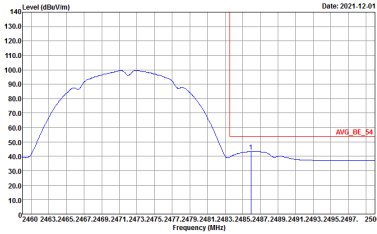
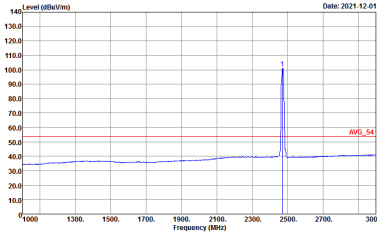
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto



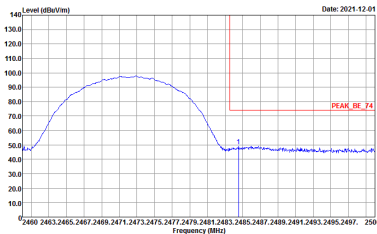
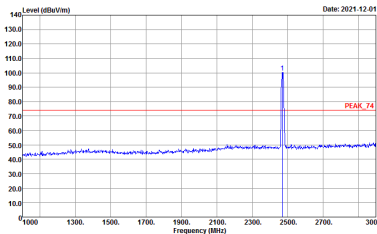
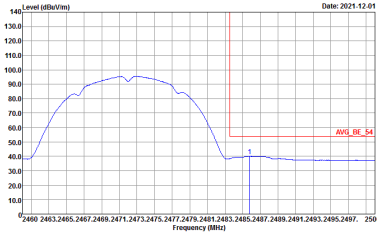
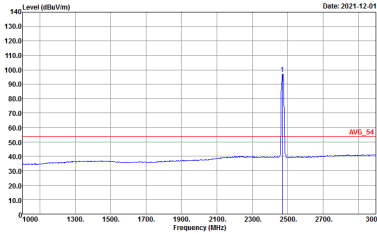
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
3	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : : PEAK_F4 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH15-HY Condition : : AVG_F4 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : : AV6_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : : AV6_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



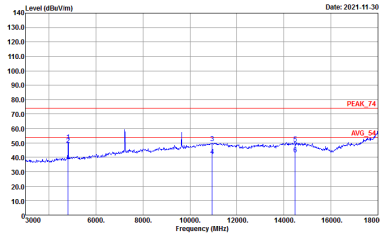
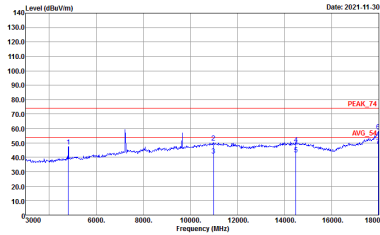
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : : AVG_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : : AVG_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



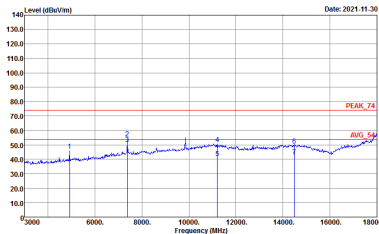
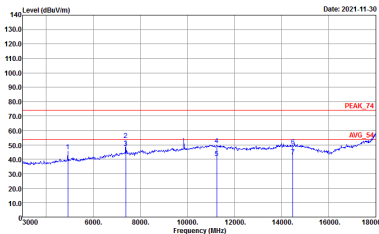
2.4GHz 2400~2483.5MHz
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL Detector : Peak



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-11-30 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-11-30 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 VERTICAL Detector : Peak



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 VERTICAL Detector : Peak



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH12 2467MHz	
3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-11-30 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-11-30 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL Detector : Peak



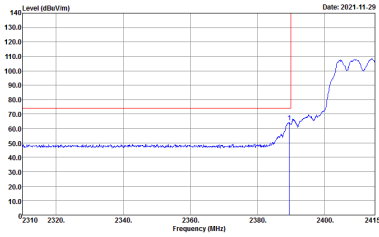
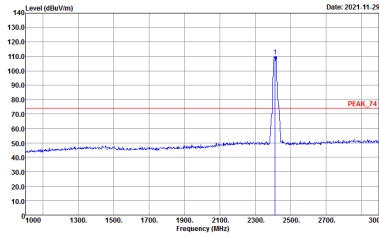
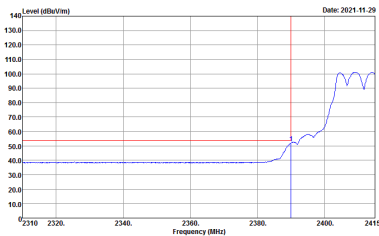
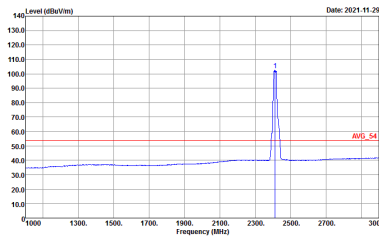
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH13 2472MHz	
3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-11-30 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-11-30 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL Detector : Peak



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

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11b SHF	
3	Horizontal	Vertical
Peak Avg.	Horizontal Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 18000 to 25000 MHz. The plot shows a noisy baseline around 30-40 dBuV/m. Two horizontal red lines are present: one at approximately 75 dBuV/m labeled 'PEAK_74' and another at approximately 55 dBuV/m labeled 'AVG_54'. A blue vertical line is at 2312 MHz. The date is 2021-12-18. Site : 03CH16-HY Condition : PEAK_74 1m SHF HORN_0099L_21051 HORIZONTAL Detector : Peak	Vertical Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 18000 to 25000 MHz. The plot shows a noisy baseline around 30-40 dBuV/m. Two horizontal red lines are present: one at approximately 75 dBuV/m labeled 'PEAK_74' and another at approximately 55 dBuV/m labeled 'AVG_54'. A blue vertical line is at 2312 MHz. The date is 2021-12-18. Site : 03CH16-HY Condition : PEAK_74 1m SHF HORN_0099L_21051 VERTICAL Detector : Peak

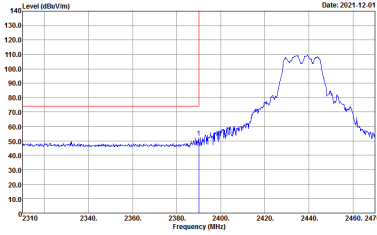
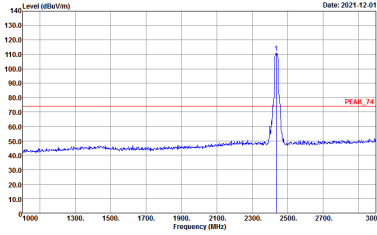
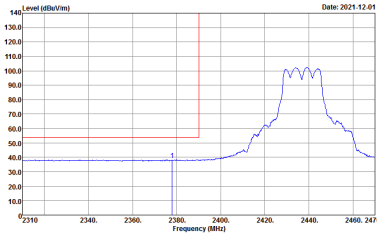
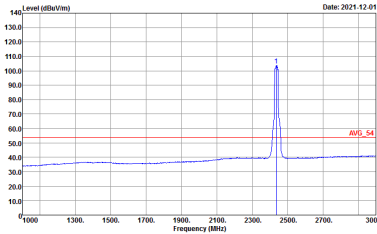
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

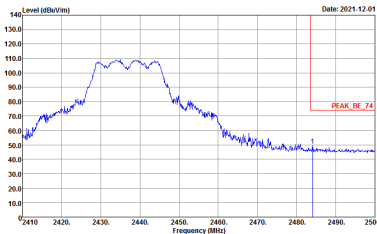
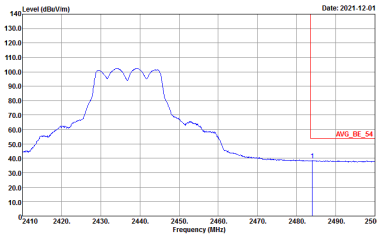


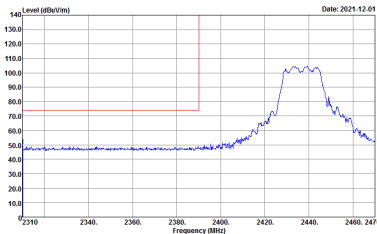
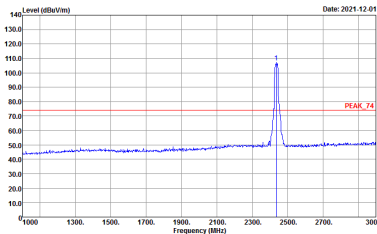
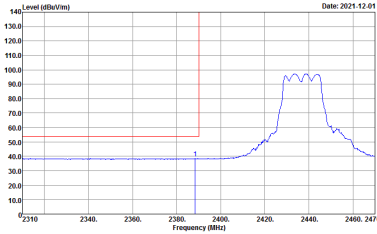
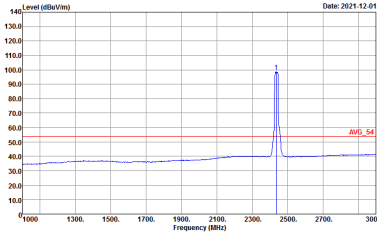
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



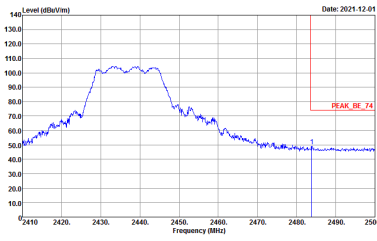
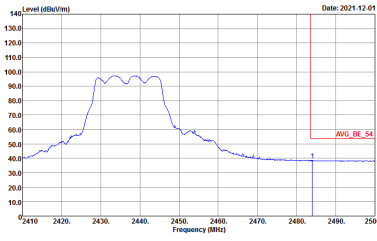
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_8E_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

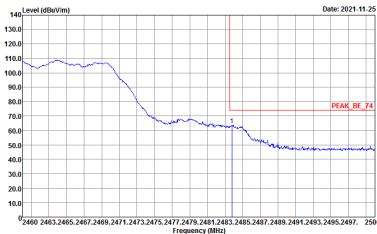
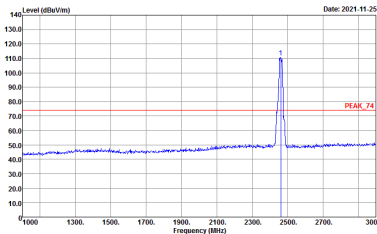
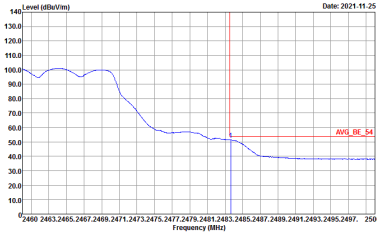
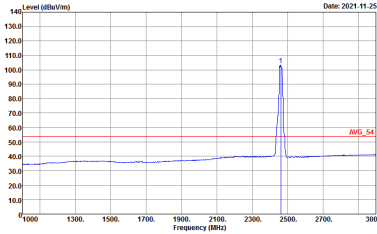


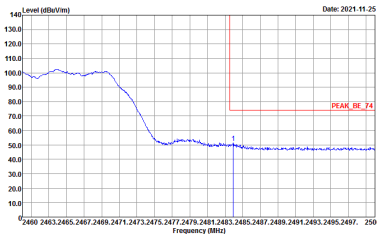
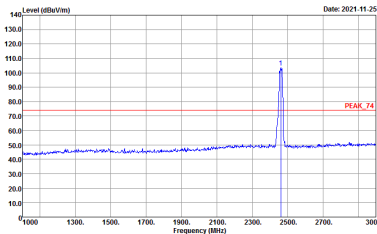
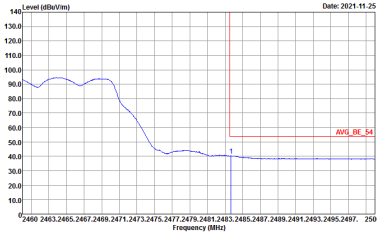
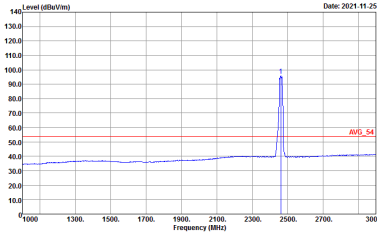
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

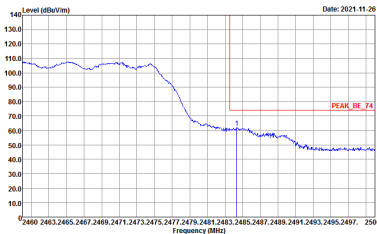
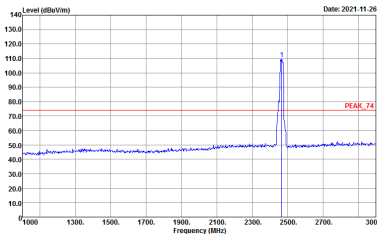
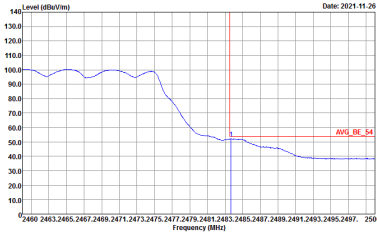
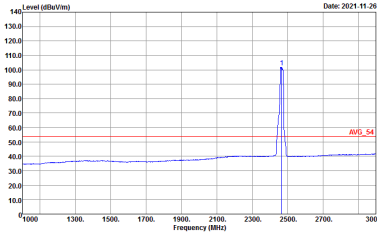
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

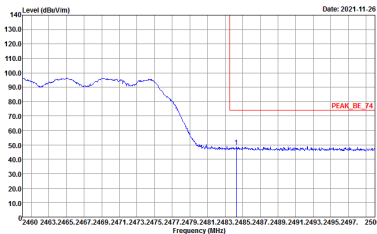
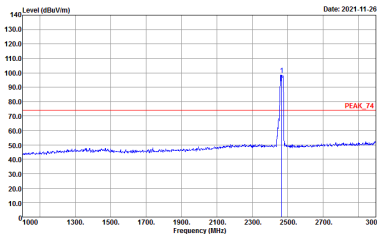
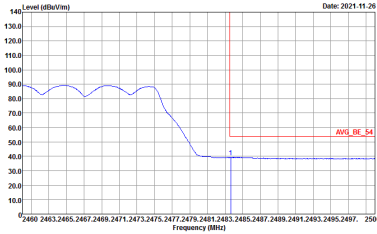
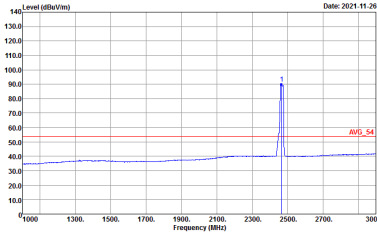


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left Blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

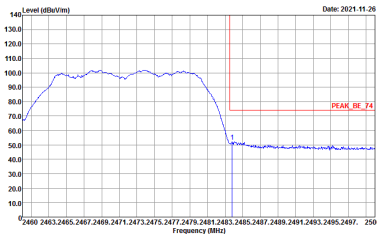
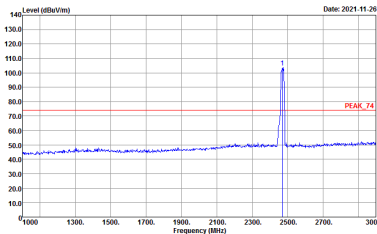
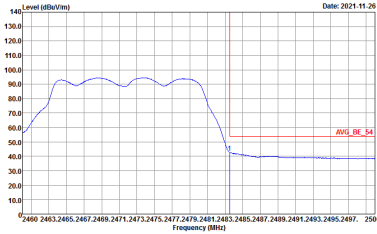
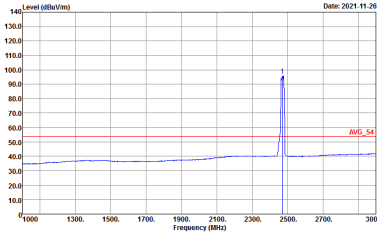
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : : AVG_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

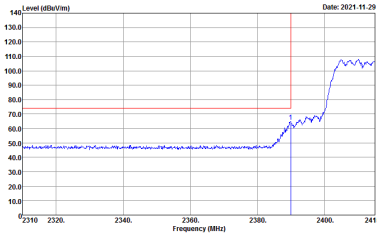
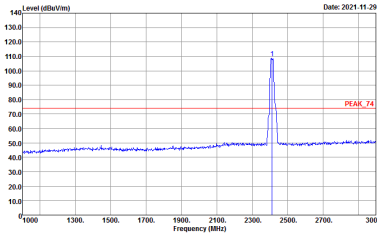
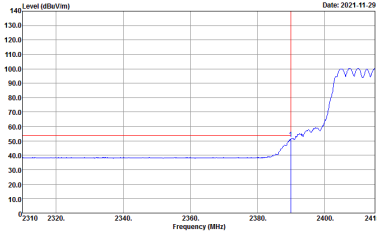
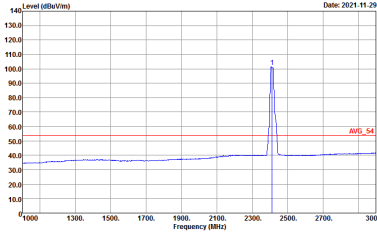
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : : AV6_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : : AV6_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

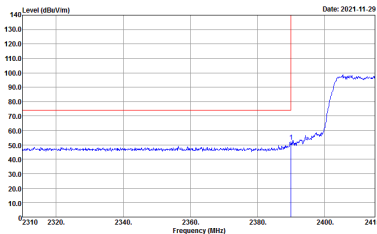
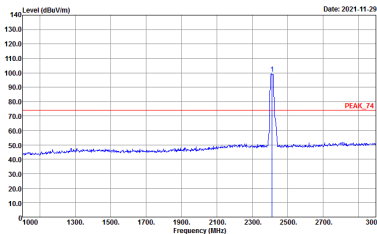
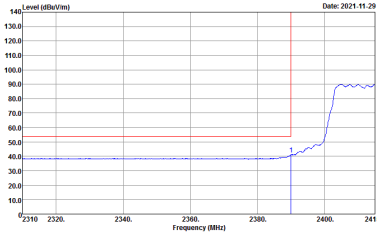
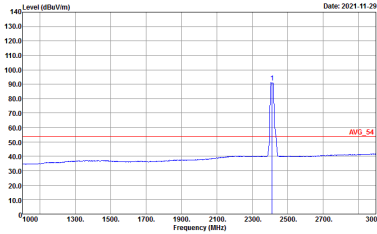


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
4+3	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : : PEAK_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : : AV6_BE_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : : AV6_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : : AV6_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : : AV6_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

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

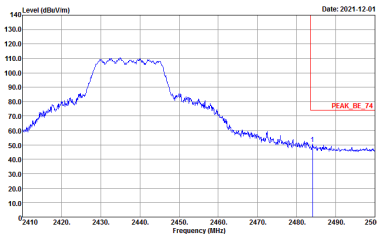
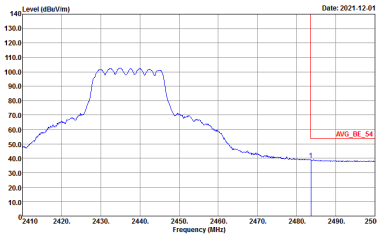
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
4+3	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

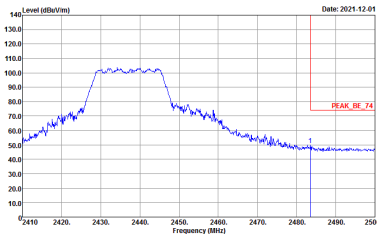
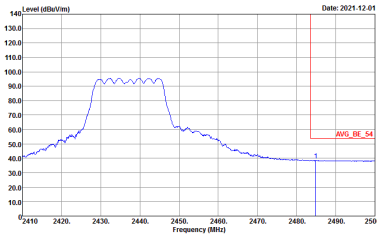


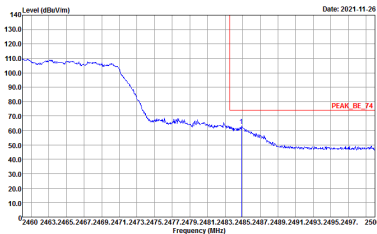
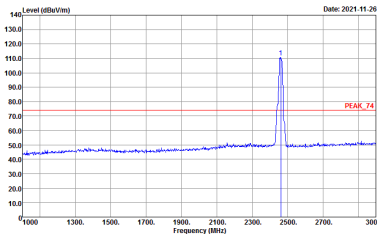
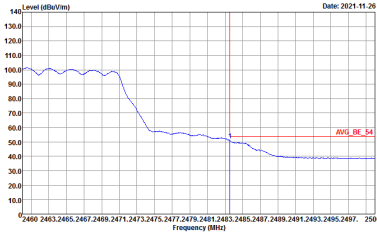
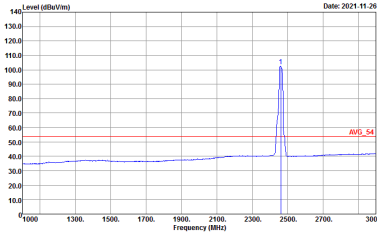
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

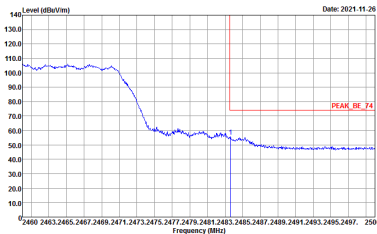
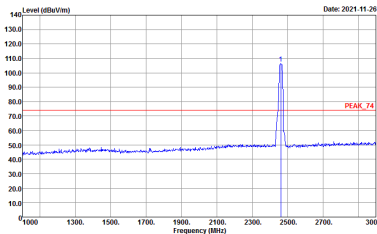
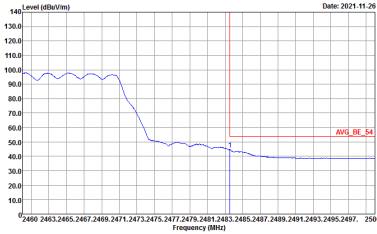
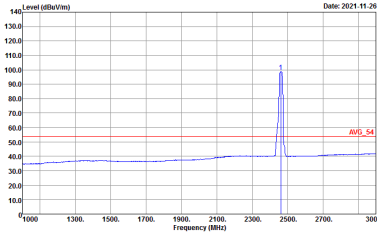


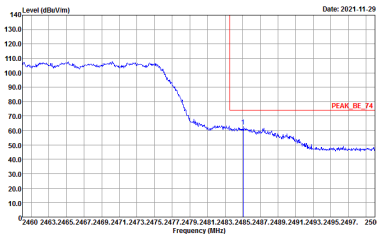
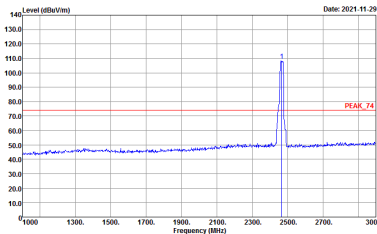
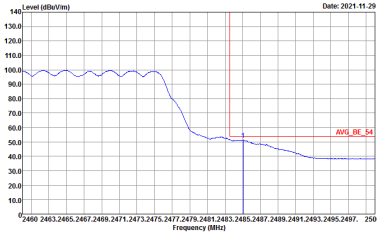
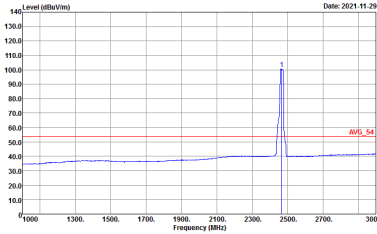
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_9C_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

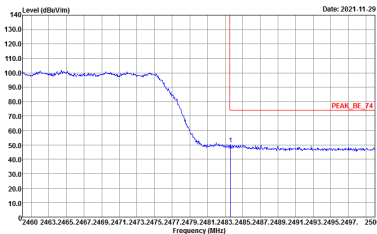
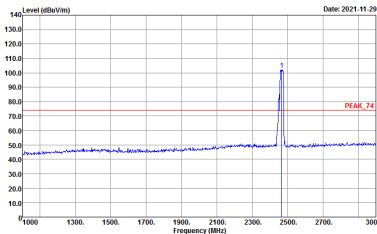
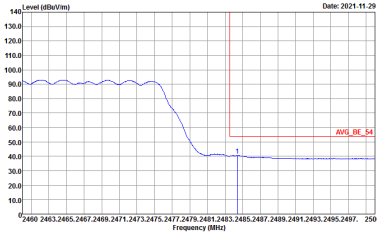
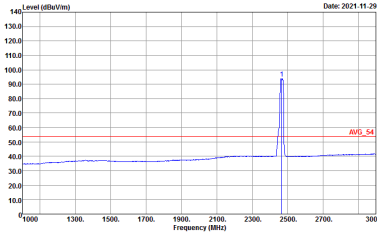


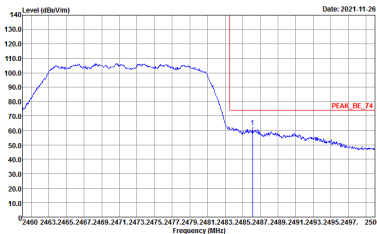
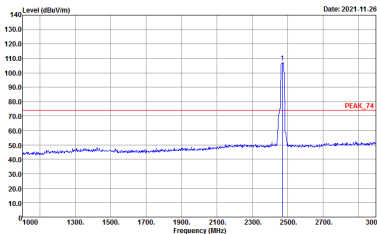
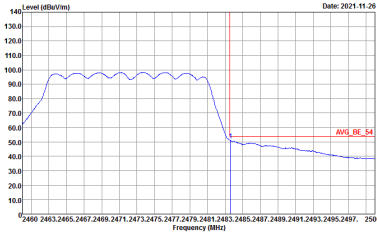
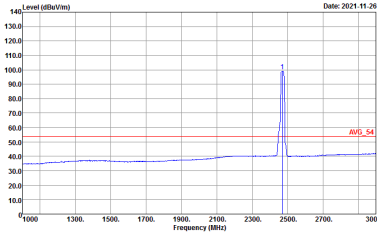
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left Blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AV6_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

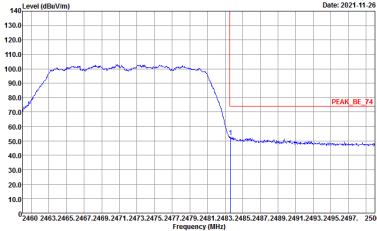
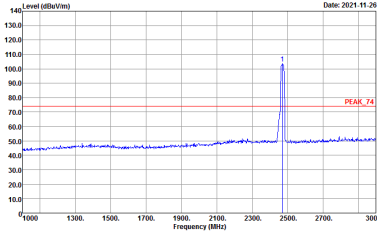
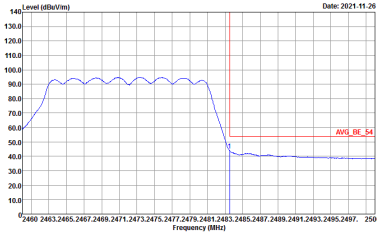
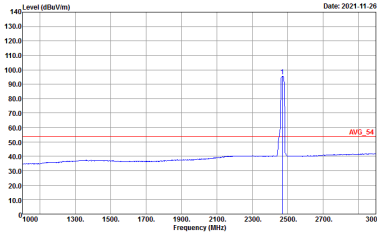
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : : AV6_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : : AV6_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
4+3	Horizontal	Fundamental
Peak	 Level (dBuV/m) Date: 2021-11-29 Frequency (MHz) PEAK_BE_74 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Level (dBuV/m) Date: 2021-11-29 Frequency (MHz) PEAK_74 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Level (dBuV/m) Date: 2021-11-29 Frequency (MHz) AVG_BE_54 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Level (dBuV/m) Date: 2021-11-29 Frequency (MHz) AVG_54 Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : : AV6_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : : AV6_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

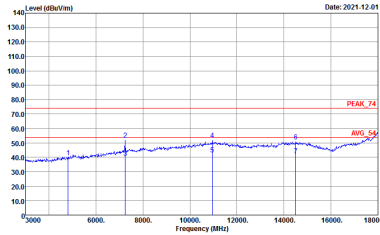
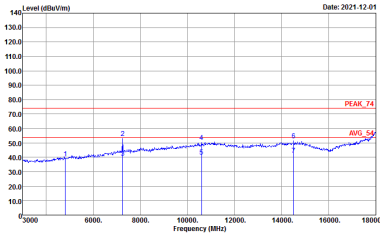
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK_74 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : : AV6_BE_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : : AV6_54 3m 91200_1620_20211025 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 91200_1620_20211025 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



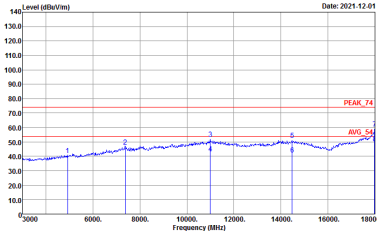
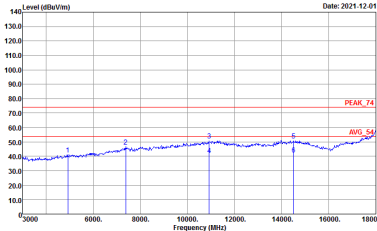
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL Detector : Peak

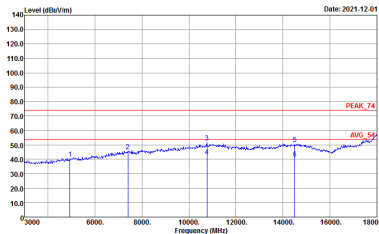
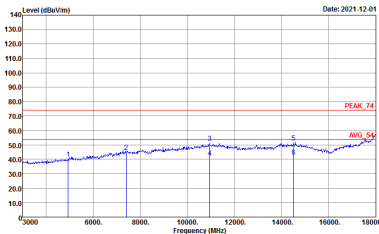


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL Detector : Peak



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 VERTICAL Detector : Peak



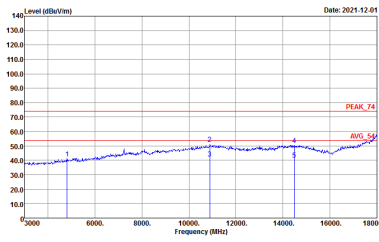
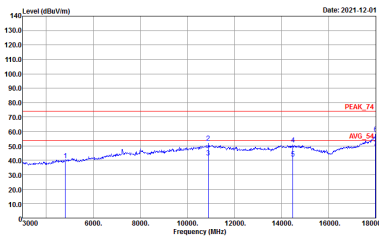
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH12 2467MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 VERTICAL Detector : Peak



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH13 2472MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 VERTICAL Detector : Peak



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

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL Detector : Peak



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 VERTICAL Detector : Peak



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_1620_20211025 VERTICAL Detector : Peak



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH12 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL Detector : Peak



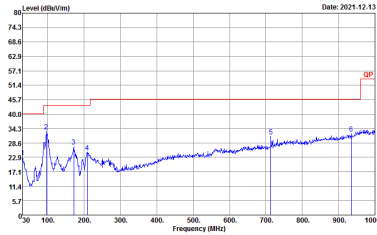
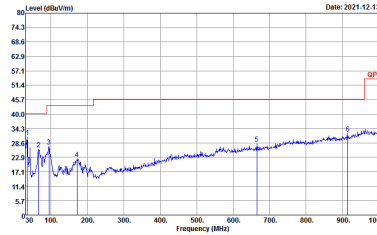
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2021-12-01 Site : 03CH15-HY Condition : PEAK_74 3m 91200_1620_20211025 VERTICAL Detector : Peak



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

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g SHF	
4+3	Horizontal	Vertical
Peak Avg.	Horizontal Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 18000 to 25000 MHz. The plot shows a blue signal line with a peak at approximately 2450 MHz. A red horizontal line indicates the peak level at 74 dBuV/m, and another red line indicates the average level at 54 dBuV/m. The date is 2021-12-18. Site : 03CH16-HY Condition : PEAK_74 1m SHF HORN_0099L_21051 HORIZONTAL Detector : Peak	Vertical Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 18000 to 25000 MHz. The plot shows a blue signal line with a peak at approximately 2450 MHz. A red horizontal line indicates the peak level at 74 dBuV/m, and another red line indicates the average level at 54 dBuV/m. The date is 2021-12-18. Site : 03CH16-HY Condition : PEAK_74 1m SHF HORN_0099L_21051 VERTICAL Detector : Peak

Emission below 1GHz
2.4GHz WIFI 802.11g (LF)

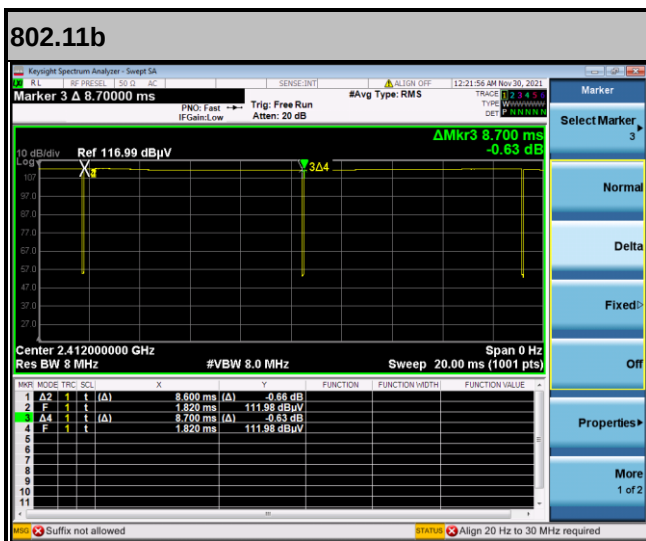
WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g LF	
4+3	Horizontal	Vertical
QP / Peak	 Site : 03CH15-HY Condition : QP 3m 81LO6_41912_20210208 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : QP 3m 81LO6_41912_20210208 VERTICAL Detector : Peak



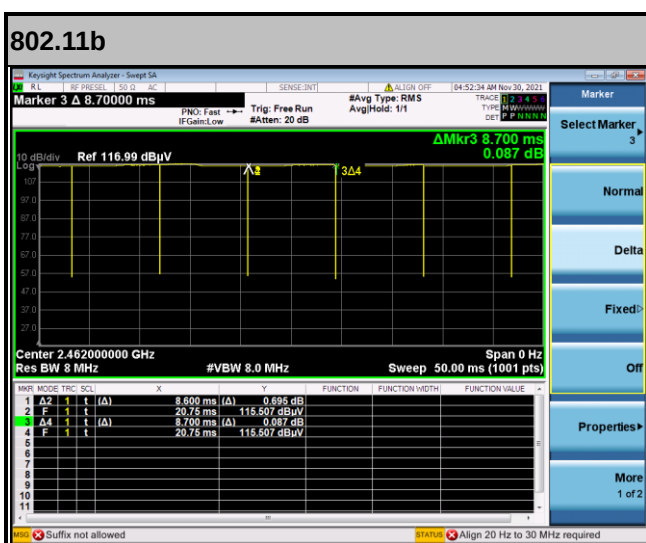
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
4	802.11b	98.85	-	-	10Hz
3	802.11b	98.85	-	-	10Hz
4+3	802.11g	93.46	1430	0.70	1kHz
4+3	2.4GHz 802.11n HT20	93.06	1340	0.75	1kHz

<Ant. 4>

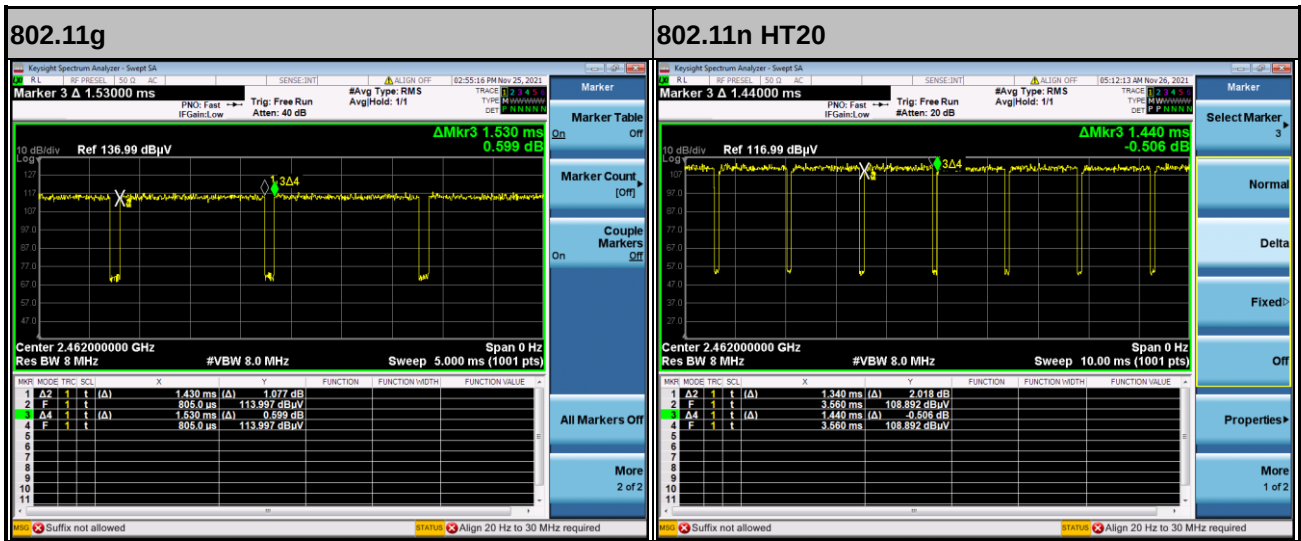


<Ant. 3>





MIMO<Ant. 4+3>



—THE END—