

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.

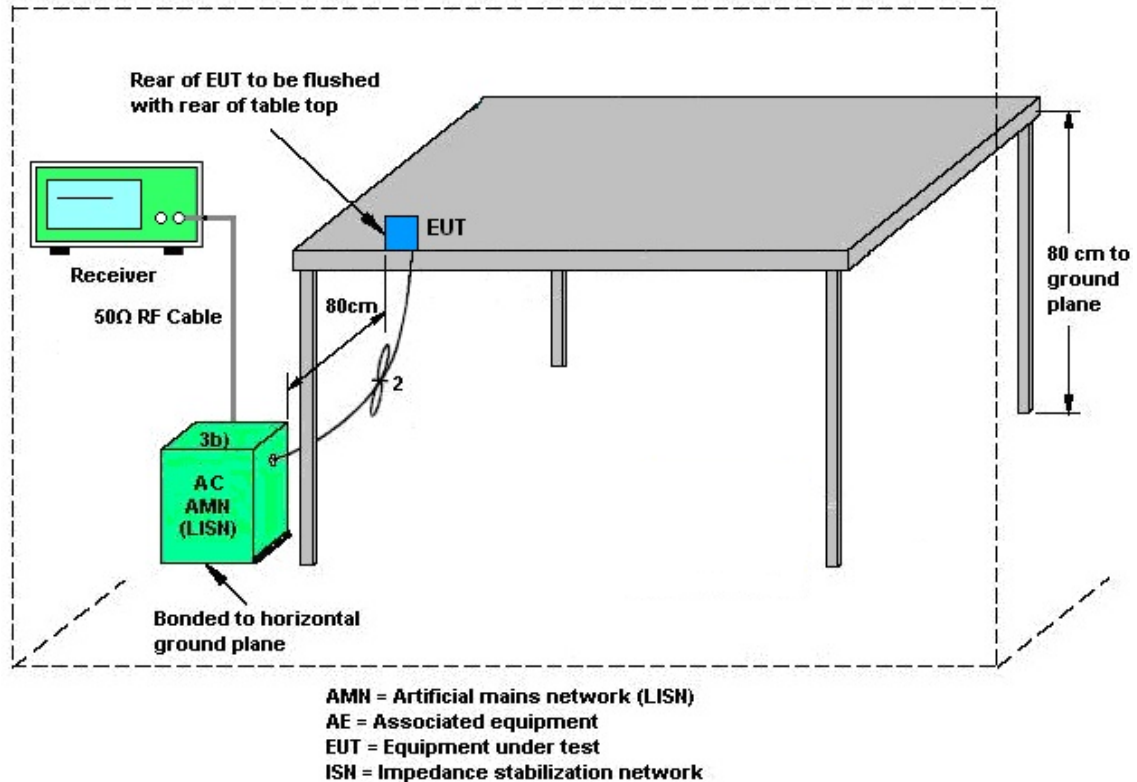
3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Procedures

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

3.6.4 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

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

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

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

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

<CDD Modes>						
			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 4 (dBi)	Ant. 3 (dBi)				
2.4 GHz	-1.10	-1.40	-1.10	1.76	0.00	0.00

Power Limit Reduction = $DG(\text{Power}) - 6\text{dBi}$, (min = 0)

PSD Limit Reduction = $DG(\text{PSD}) - 6\text{dBi}$, (min = 0)



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Nov. 03, 2020	Jun. 11, 2021~ Jul. 06, 2021	Nov. 02, 2021	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00991	18GHz~40GHz	May 12, 2021	Jun. 11, 2021~ Jul. 06, 2021	May 11, 2022	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 11, 2020	Jun. 11, 2021~ Jul. 06, 2021	Oct. 10, 2021	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Jun. 11, 2021~ Jul. 06, 2021	Jan. 03, 2022	Radiation (03CH11-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Oct. 27, 2020	Jun. 11, 2021~ Jul. 06, 2021	Oct. 26, 2021	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY532700 80	1GHz~26.5GHz	Nov. 12, 2020	Jun. 11, 2021~ Jul. 06, 2021	Nov. 11, 2021	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 22, 2021	Jul. 05, 2021~ Jul. 06, 2021	Jun. 21, 2022	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 02, 2020	Jun. 11, 2021~ Jul. 06, 2021	Dec. 01, 2021	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 86	10Hz~44GHz	Oct. 23, 2020	Jun. 11, 2021~ Jul. 06, 2021	Oct. 22, 2021	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY541300 85	20MHz~8.4GHz	Nov. 02, 2020	Jun. 11, 2021~ Jul. 06, 2021	Nov. 01, 2021	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1~4m	N/A	Jun. 11, 2021~ Jul. 06, 2021	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jun. 11, 2021~ Jul. 06, 2021	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-00105 3	N/A	N/A	Jun. 11, 2021~ Jul. 06, 2021	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	9kHz-30MHz	Mar. 11, 2021	Jun. 11, 2021~ Jul. 06, 2021	Mar. 10, 2022	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 11, 2021	Jun. 11, 2021~ Jul. 06, 2021	Mar. 10, 2022	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	30M-18G	Mar. 11, 2021	Jun. 11, 2021~ Jul. 06, 2021	Mar. 10, 2022	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 11, 2021	Jun. 11, 2021~ Jul. 06, 2021	Mar. 10, 2022	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000 -60SS	SN3	3GHz High Pass Filter	Sep. 14, 2020	Jun. 11, 2021~ Jul. 06, 2021	Sep. 13, 2021	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN1	1.53GHz Low Pass Filter	Sep. 14, 2020	Jun. 11, 2021~ Jul. 06, 2021	Sep. 13, 2021	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP140325	N/A	Nov. 18, 2020	Jun. 11, 2021~ Jul. 06, 2021	Nov. 17, 2021	Radiation (03CH11-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	TR-32	HE17XB2468	N/A	Mar. 09, 2021	Jun. 23, 2021~ Jul. 01, 2021	Mar. 08, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO12	10MHz~6GHz	Dec. 16, 2020	Jun. 23, 2021~ Jul. 01, 2021	Dec. 15, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Jun. 23, 2021~ Jul. 01, 2021	Jul. 21, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF058	EC130048 4	N/A	May 31, 2021	Jun. 23, 2021~ Jul. 01, 2021	May 30, 2022	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F3170400 33	N/A	N/A	Jun. 29, 2021	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 29, 2021	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 02, 2020	Jun. 29, 2021	Nov. 01, 2021	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 17, 2021	Jun. 29, 2021	Mar. 16, 2022	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 01, 2021	Jun. 29, 2021	Jan. 31, 2022	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Jun. 29, 2021	Sep. 10, 2021	Conduction (CO07-HY)

5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7 dB
---	--------

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1 dB
---	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Richard Qiu	Temperature:	23.5~25.1	°C
Test Date:	2021/6/23~2021/7/1	Relative Humidity:	46.5~58.7	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

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		
11b	1Mbps	2	1	2412	13.49	13.29	9.02	8.56	0.50	Pass
11b	1Mbps	2	6	2437	13.34	13.19	9.01	8.06	0.50	Pass
11b	1Mbps	2	11	2462	13.64	13.39	8.56	8.56	0.50	Pass
11b	1Mbps	2	12	2467	13.64	13.44	8.56	8.56	0.50	Pass
11b	1Mbps	2	13	2472	12.99	12.99	8.06	8.06	0.50	Pass
11g	6Mbps	2	1	2412	17.33	17.03	16.31	16.32	0.50	Pass
11g	6Mbps	2	6	2437	17.18	16.83	16.32	16.30	0.50	Pass
11g	6Mbps	2	11	2462	17.48	17.08	15.74	15.90	0.50	Pass
11g	6Mbps	2	12	2467	17.53	17.08	16.08	16.29	0.50	Pass
11g	6Mbps	2	13	2472	16.93	16.78	16.08	16.30	0.50	Pass
HT20	MCS0	2	1	2412	18.23	17.98	17.28	17.58	0.50	Pass
HT20	MCS0	2	6	2437	18.23	17.88	17.56	17.58	0.50	Pass
HT20	MCS0	2	11	2462	18.23	17.98	16.66	17.58	0.50	Pass
HT20	MCS0	2	12	2467	18.23	18.08	17.54	17.58	0.50	Pass
HT20	MCS0	2	13	2472	17.93	17.78	17.30	17.20	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant4	Ant3	SUM	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	
11b	1Mbps	2	1	2412	22.95	22.95	25.96	30.00		-1.10		24.86		36.00		Pass
11b	1Mbps	2	6	2437	22.95	22.85	25.91	30.00		-1.10		24.81		36.00		Pass
11b	1Mbps	2	11	2462	22.95	22.95	25.96	30.00		-1.10		24.86		36.00		Pass
11b	1Mbps	2	12	2467	22.95	22.75	25.86	30.00		-1.10		24.76		36.00		Pass
11b	1Mbps	2	13	2472	20.25	20.15	23.21	30.00		-1.10		22.11		36.00		Pass
11g	6Mbps	2	1	2412	21.35	20.45	23.93	30.00		-1.10		22.83		36.00		Pass
11g	6Mbps	2	6	2437	21.05	20.75	23.91	30.00		-1.10		22.81		36.00		Pass
11g	6Mbps	2	11	2462	20.55	20.25	23.41	30.00		-1.10		22.31		36.00		Pass
11g	6Mbps	2	12	2467	19.45	18.85	22.17	30.00		-1.10		21.07		36.00		Pass
11g	6Mbps	2	13	2472	17.25	16.45	19.88	30.00		-1.10		18.78		36.00		Pass
HT20	MCS0	2	1	2412	20.55	19.65	23.13	30.00		-1.10		22.03		36.00		Pass
HT20	MCS0	2	6	2437	21.15	20.65	23.92	30.00		-1.10		22.82		36.00		Pass
HT20	MCS0	2	11	2462	19.95	19.45	22.72	30.00		-1.10		21.62		36.00		Pass
HT20	MCS0	2	12	2467	18.75	18.35	21.56	30.00		-1.10		20.46		36.00		Pass
HT20	MCS0	2	13	2472	16.15	15.95	19.06	30.00		-1.10		17.96		36.00		Pass
VHT20	MCS0	2	1	2412	20.55	19.55	23.09	30.00		-1.10		21.99		36.00		Pass
VHT20	MCS0	2	6	2437	21.05	20.65	23.86	30.00		-1.10		22.76		36.00		Pass
VHT20	MCS0	2	11	2462	19.85	19.45	22.66	30.00		-1.10		21.56		36.00		Pass
VHT20	MCS0	2	12	2467	18.65	18.35	21.51	30.00		-1.10		20.41		36.00		Pass
VHT20	MCS0	2	13	2472	16.15	15.85	19.01	30.00		-1.10		17.91		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)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant4	Ant3	Worse + 3.01	Ant4	Ant3	Ant4	Ant3	
11b	1Mbps	2	1	2412	0.45	0.66	3.67	1.76		8.00		Pass
11b	1Mbps	2	6	2437	1.06	1.24	4.25	1.76		8.00		Pass
11b	1Mbps	2	11	2462	1.01	0.89	4.02	1.76		8.00		Pass
11b	1Mbps	2	12	2467	0.69	-0.06	3.70	1.76		8.00		Pass
11b	1Mbps	2	13	2472	-1.04	-2.17	1.97	1.76		8.00		Pass
11g	6Mbps	2	1	2412	-3.72	-5.10	-0.71	1.76		8.00		Pass
11g	6Mbps	2	6	2437	-3.82	-3.99	-0.81	1.76		8.00		Pass
11g	6Mbps	2	11	2462	-4.24	-5.04	-1.23	1.76		8.00		Pass
11g	6Mbps	2	12	2467	-5.54	-6.04	-2.53	1.76		8.00		Pass
11g	6Mbps	2	13	2472	-8.05	-8.55	-5.04	1.76		8.00		Pass
HT20	MCS0	2	1	2412	-4.62	-5.07	-1.61	1.76		8.00		Pass
HT20	MCS0	2	6	2437	-4.51	-4.11	-1.10	1.76		8.00		Pass
HT20	MCS0	2	11	2462	-5.87	-5.68	-2.67	1.76		8.00		Pass
HT20	MCS0	2	12	2467	-6.52	-6.50	-3.49	1.76		8.00		Pass
HT20	MCS0	2	13	2472	-8.04	-9.64	-5.03	1.76		8.00		Pass

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

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	20.55	19.65	23.13	30.00		-1.10		22.03		36.00		Pass
HE20	MCS0	2	1	2412	26/0	12.25	12.35	15.31	30.00		-1.10		14.21		36.00		Pass
HE20	MCS0	2	1	2412	52/37	13.95	13.75	16.86	30.00		-1.10		15.76		36.00		Pass
HE20	MCS0	2	1	2412	106/53	17.15	16.45	19.82	30.00		-1.10		18.72		36.00		Pass
HE20	MCS0	2	6	2437	Full	20.95	20.65	23.81	30.00		-1.10		22.71		36.00		Pass
HE20	MCS0	2	6	2437	26/4	14.95	14.85	17.91	30.00		-1.10		16.81		36.00		Pass
HE20	MCS0	2	6	2437	52/39	17.05	16.55	19.82	30.00		-1.10		18.72		36.00		Pass
HE20	MCS0	2	6	2437	106/53	18.95	18.45	21.72	30.00		-1.10		20.62		36.00		Pass
HE20	MCS0	2	11	2462	Full	19.85	19.35	22.62	30.00		-1.10		21.52		36.00		Pass
HE20	MCS0	2	11	2462	26/8	11.55	12.05	14.82	30.00		-1.10		13.72		36.00		Pass
HE20	MCS0	2	11	2462	52/40	13.75	13.65	16.71	30.00		-1.10		15.61		36.00		Pass
HE20	MCS0	2	11	2462	106/54	16.35	16.75	19.56	30.00		-1.10		18.46		36.00		Pass
HE20	MCS0	2	12	2467	Full	18.55	18.35	21.46	30.00		-1.10		20.36		36.00		Pass
HE20	MCS0	2	12	2467	26/8	11.05	11.15	14.11	30.00		-1.10		13.01		36.00		Pass
HE20	MCS0	2	12	2467	52/40	13.35	13.05	16.21	30.00		-1.10		15.11		36.00		Pass
HE20	MCS0	2	12	2467	106/54	15.05	15.45	18.26	30.00		-1.10		17.16		36.00		Pass
HE20	MCS0	2	13	2472	Full	16.05	15.85	18.96	30.00		-1.10		17.86		36.00		Pass
HE20	MCS0	2	13	2472	26/8	7.25	8.95	11.19	30.00		-1.10		10.09		36.00		Pass
HE20	MCS0	2	13	2472	52/40	11.75	11.35	14.56	30.00		-1.10		13.46		36.00		Pass
HE20	MCS0	2	13	2472	106/54	14.15	14.35	17.26	30.00		-1.10		16.16		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	-5.45	-6.19	-2.44	1.76		8.00		Pass
HE20	MCS0	2	1	2412	26/0	-5.62	-5.78	-2.61	1.76		8.00		Pass
HE20	MCS0	2	1	2412	52/37	-5.78	-5.47	-2.46	1.76		8.00		Pass
HE20	MCS0	2	1	2412	106/53	-5.48	-5.55	-2.47	1.76		8.00		Pass
HE20	MCS0	2	6	2437	Full	-3.97	-3.50	-0.49	1.76		8.00		Pass
HE20	MCS0	2	6	2437	26/4	-3.74	-3.64	-0.63	1.76		8.00		Pass
HE20	MCS0	2	6	2437	52/39	-3.63	-3.83	-0.62	1.76		8.00		Pass
HE20	MCS0	2	6	2437	106/53	-3.61	-4.27	-0.60	1.76		8.00		Pass
HE20	MCS0	2	11	2462	Full	-6.02	-5.97	-2.96	1.76		8.00		Pass
HE20	MCS0	2	11	2462	26/8	-6.09	-6.01	-3.00	1.76		8.00		Pass
HE20	MCS0	2	11	2462	52/40	-6.23	-6.31	-3.22	1.76		8.00		Pass
HE20	MCS0	2	11	2462	106/54	-6.44	-6.29	-3.28	1.76		8.00		Pass
HE20	MCS0	2	12	2467	Full	-7.40	-6.89	-3.88	1.76		8.00		Pass
HE20	MCS0	2	12	2467	26/8	-7.38	-7.02	-4.01	1.76		8.00		Pass
HE20	MCS0	2	12	2467	52/40	-7.39	-6.96	-3.95	1.76		8.00		Pass
HE20	MCS0	2	12	2467	106/54	-7.44	-6.97	-3.96	1.76		8.00		Pass
HE20	MCS0	2	13	2472	Full	-8.65	-9.63	-5.64	1.76		8.00		Pass
HE20	MCS0	2	13	2472	26/8	-10.23	-8.85	-5.84	1.76		8.00		Pass
HE20	MCS0	2	13	2472	52/40	-8.94	-8.95	-5.93	1.76		8.00		Pass
HE20	MCS0	2	13	2472	106/54	-8.74	-8.82	-5.73	1.76		8.00		Pass

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



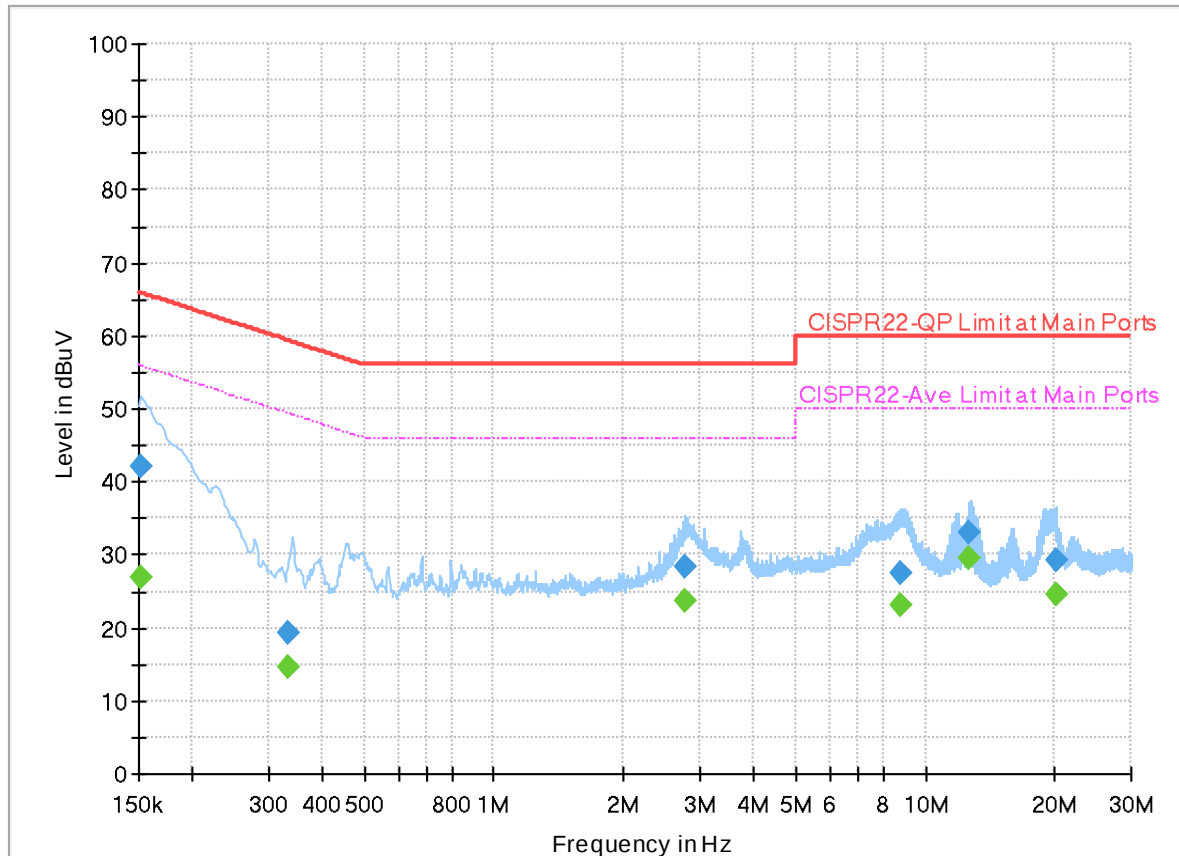
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	Temperature :	23~26℃
		Relative Humidity :	40~50%

EUT Information

Report NO : 0D2942-05
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



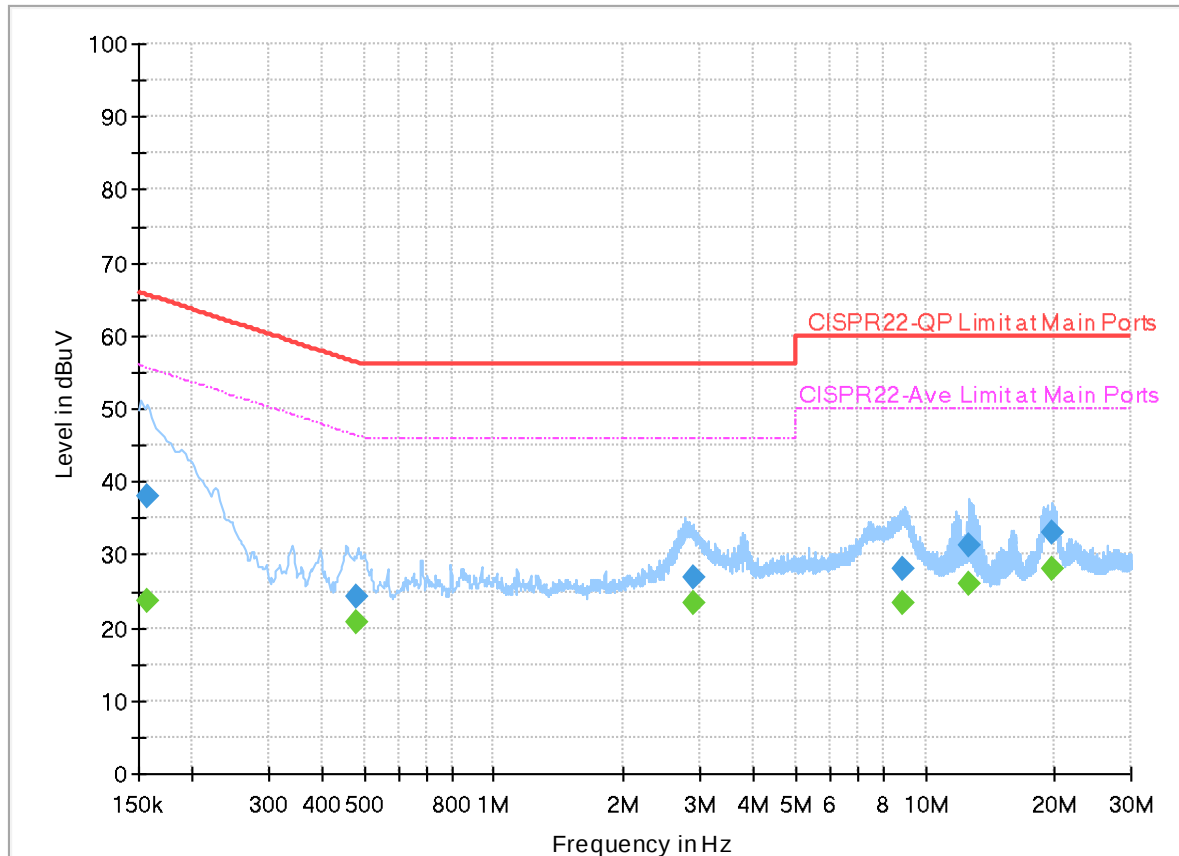
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.151620	---	26.99	55.91	28.92	L1	OFF	20.0
0.151620	42.19	---	65.91	23.72	L1	OFF	20.0
0.334680	---	14.57	49.33	34.76	L1	OFF	20.0
0.334680	19.41	---	59.33	39.92	L1	OFF	20.0
2.780340	---	23.71	46.00	22.29	L1	OFF	20.1
2.780340	28.50	---	56.00	27.50	L1	OFF	20.1
8.764530	---	23.23	50.00	26.77	L1	OFF	20.1
8.764530	27.60	---	60.00	32.40	L1	OFF	20.1
12.679350	---	29.44	50.00	20.56	L1	OFF	20.2
12.679350	32.92	---	60.00	27.08	L1	OFF	20.2
20.043240	---	24.48	50.00	25.52	L1	OFF	20.2
20.043240	29.13	---	60.00	30.87	L1	OFF	20.2

EUT Information

Report NO : 0D2942-05
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)
0.156750	---	23.55	55.63	32.08	N	OFF	20.0
0.156750	38.12	---	65.63	27.51	N	OFF	20.0
0.481380	---	20.78	46.32	25.54	N	OFF	20.0
0.481380	24.26	---	56.32	32.06	N	OFF	20.0
2.890500	---	23.46	46.00	22.54	N	OFF	20.1
2.890500	26.92	---	56.00	29.08	N	OFF	20.1
8.902860	---	23.31	50.00	26.69	N	OFF	20.1
8.902860	28.04	---	60.00	31.96	N	OFF	20.1
12.687000	---	26.12	50.00	23.88	N	OFF	20.2
12.687000	31.15	---	60.00	28.85	N	OFF	20.2
19.783050	---	28.20	50.00	21.80	N	OFF	20.3
19.783050	32.97	---	60.00	27.03	N	OFF	20.3



Appendix C. Radiated Spurious Emission

Test Engineer :	Harvey Guo, Fu Chen and Troye Hsieh	Temperature :	18.1~24.5°C
		Relative Humidity :	56.5~69.9%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2379.51	52.64	-21.36	74	41.51	27.54	17.05	33.46	100	49	P	H
		2389.38	43.31	-10.69	54	32.19	27.52	17.06	33.46	100	49	A	H
	*	2412	108.76	-	-	97.61	27.5	17.09	33.44	100	49	P	H
	*	2412	105.83	-	-	94.68	27.5	17.09	33.44	100	49	A	H
													H
													H
		2388.96	53.82	-20.18	74	42.7	27.52	17.06	33.46	299	255	P	V
		2389.695	44.42	-9.58	54	33.3	27.52	17.06	33.46	299	255	A	V
	*	2412	113.92	-	-	102.77	27.5	17.09	33.44	299	255	P	V
	*	2412	110.78	-	-	99.63	27.5	17.09	33.44	299	255	A	V
													V
													V
802.11b CH 06 2437MHz		2332.24	52.67	-21.33	74	41.5	27.64	17.01	33.48	100	48	P	H
		2390	41.77	-12.23	54	30.65	27.52	17.06	33.46	100	48	A	H
	*	2437	109.72	-	-	98.52	27.5	17.13	33.43	100	48	P	H
	*	2437	106.57	-	-	95.37	27.5	17.13	33.43	100	48	A	H
		2488.64	52.56	-21.44	74	41.34	27.42	17.21	33.41	100	48	P	H
		2485.68	41.87	-12.13	54	30.65	27.43	17.2	33.41	100	48	A	H
		2341.84	53.41	-20.59	74	42.25	27.62	17.02	33.48	300	255	P	V
		2388.56	41.81	-12.19	54	30.69	27.52	17.06	33.46	300	255	A	V
	*	2437	114.34	-	-	103.14	27.5	17.13	33.43	300	255	P	V
	*	2437	111.3	-	-	100.1	27.5	17.13	33.43	300	255	A	V
		2484.64	52.72	-21.28	74	41.5	27.43	17.2	33.41	300	255	P	V
		2485.04	41.93	-12.07	54	30.71	27.43	17.2	33.41	300	255	A	V



802.11b CH 11 2462MHz	*	2462	103.39	-	-	92.16	27.48	17.17	33.42	100	51	P	H
	*	2462	100.31	-	-	89.08	27.48	17.17	33.42	100	51	A	H
		2486.64	52.91	-21.09	74	41.69	27.43	17.2	33.41	100	51	P	H
		2483.52	42.25	-11.75	54	31.03	27.43	17.2	33.41	100	51	A	H
													H
													H
	*	2462	110.18	-	-	98.95	27.48	17.17	33.42	306	252	P	V
	*	2462	106.87	-	-	95.64	27.48	17.17	33.42	306	252	A	V
		2485	53.9	-20.1	74	42.68	27.43	17.2	33.41	306	252	P	V
		2483.52	42.94	-11.06	54	31.72	27.43	17.2	33.41	306	252	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)
802.11b CH 12 2467MHz	*	2467	108.03	-	-	96.81	27.47	17.17	33.42	100	138	P	H
	*	2467	104.83	-	-	93.61	27.47	17.17	33.42	100	138	A	H
		2483.56	56.11	-17.89	74	44.89	27.43	17.2	33.41	100	138	P	H
		2484.56	48.67	-5.33	54	37.45	27.43	17.2	33.41	100	138	A	H
													H
													H
	*	2467	110.88	-	-	99.66	27.47	17.17	33.42	242	360	P	V
	*	2467	107.88	-	-	96.66	27.47	17.17	33.42	242	360	A	V
		2484.48	58.61	-15.39	74	47.39	27.43	17.2	33.41	242	360	P	V
		2484.6	51.67	-2.33	54	40.45	27.43	17.2	33.41	242	360	A	V
													V
													V
802.11b CH 13 2472MHz	*	2472	105.45	-	-	94.22	27.46	17.18	33.41	100	126	P	H
	*	2472	102.43	-	-	91.2	27.46	17.18	33.41	100	126	A	H
		2487.68	55.77	-18.23	74	44.55	27.42	17.21	33.41	100	126	P	H
		2486.4	46.48	-7.52	54	35.26	27.43	17.2	33.41	100	126	A	H
													H
													H
	*	2472	110.85	-	-	99.62	27.46	17.18	33.41	102	277	P	V
	*	2472	108.29	-	-	97.06	27.46	17.18	33.41	102	277	A	V
		2486	57.98	-16.02	74	46.76	27.43	17.2	33.41	102	277	P	V
		2486.56	51.67	-2.33	54	40.45	27.43	17.2	33.41	102	277	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+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	37.37	-36.63	74	61.31	31	11.22	66.16	100	0	P	H
		17970	58.31	-15.69	74	52.79	46.8	23.87	65.15	100	0	P	H
		17970	48.48	-5.52	54	42.96	46.8	23.87	65.15	100	0	A	H
													H
													H
													H
		4824	38.09	-35.91	74	62.03	31	11.22	66.16	100	0	P	V
		17970	58.56	-15.44	74	53.04	46.8	23.87	65.15	100	0	P	V
		17970	48.67	-5.33	54	43.15	46.8	23.87	65.15	100	0	A	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	39	-35	74	62.36	31.43	11.33	66.12	100	0	P	H
		7311	41.98	-32.02	74	57.86	36.4	13.44	65.72	100	0	P	H
		17985	58.62	-15.38	74	52.75	47.1	23.89	65.12	100	0	P	H
		17985	48.79	-5.21	54	42.92	47.1	23.89	65.12	100	0	A	H
													H
													H
		4874	38.47	-35.53	74	61.83	31.43	11.33	66.12	100	0	P	V
		7311	47.04	-26.96	74	62.92	36.4	13.44	65.72	100	0	P	V
		17985	57.75	-16.25	74	51.88	47.1	23.89	65.12	100	0	P	V
		17985	49	-5	54	43.13	47.1	23.89	65.12	100	0	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)
802.11b CH 11 2462MHz		4924	39.75	-34.25	74	62.93	31.47	11.43	66.08	100	0	P	H
		7386	41.57	-32.43	74	57.39	36.4	13.54	65.76	100	0	P	H
		17970	57.97	-16.03	74	52.45	46.8	23.87	65.15	100	0	P	H
		17970	47.71	-6.29	54	42.19	46.8	23.87	65.15	100	0	A	H
													H
													H
		4924	39.44	-34.56	74	62.62	31.47	11.43	66.08	100	0	P	V
		7386	47.9	-26.1	74	63.72	36.4	13.54	65.76	100	0	P	V
		17970	57.76	-16.24	74	52.24	46.8	23.87	65.15	100	0	P	V
		17970	48.65	-5.35	54	43.13	46.8	23.87	65.15	100	0	A	V
													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)
802.11b CH 12 2467MHz		4934	38.49	-35.51	74	61.83	31.29	11.45	66.08	100	0	P	H
		7401	42.2	-31.8	74	58.01	36.4	13.56	65.77	100	0	P	H
		17970	59.13	-14.87	74	53.61	46.8	23.87	65.15	100	0	P	H
		17970	48.45	-5.55	54	42.93	46.8	23.87	65.15	100	0	A	H
													H
													H
		4934	38.07	-35.93	74	61.41	31.29	11.45	66.08	100	0	P	V
		7401	47.17	-26.83	74	62.98	36.4	13.56	65.77	100	0	P	V
		17970	57.53	-16.47	74	52.01	46.8	23.87	65.15	100	0	P	V
		17970	48.66	-5.34	54	43.14	46.8	23.87	65.15	100	0	A	V
													V
													V
802.11b CH 13 2472MHz		4944	39.64	-34.36	74	63.13	31.11	11.47	66.07	100	0	P	H
		7416	41.2	-32.8	74	56.88	36.46	13.64	65.78	100	0	P	H
		17970	58.37	-15.63	74	52.85	46.8	23.87	65.15	100	0	P	H
		17970	48.49	-5.51	54	42.97	46.8	23.87	65.15	100	0	A	H
													H
													H
		4944	39.44	-34.56	74	62.93	31.11	11.47	66.07	100	0	P	V
		7416	43	-31	74	58.68	36.46	13.64	65.78	100	0	P	V
		17985	58.78	-15.22	74	52.91	47.1	23.89	65.12	100	0	P	V
		17985	48.87	-5.13	54	43	47.1	23.89	65.12	100	0	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 (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		2389.8	58.18	-15.82	74	47.06	27.52	17.06	33.46	100	127	P	H
		2390	48.58	-5.42	54	37.46	27.52	17.06	33.46	100	127	A	H
	*	2412	110.49	-	-	99.34	27.5	17.09	33.44	100	127	P	H
	*	2412	102.84	-	-	91.69	27.5	17.09	33.44	100	127	A	H
													H
													H
		2389.695	61.87	-12.13	74	50.75	27.52	17.06	33.46	299	271	P	V
		2390	51.68	-2.32	54	40.56	27.52	17.06	33.46	299	271	A	V
	*	2412	114.13	-	-	102.98	27.5	17.09	33.44	299	271	P	V
	*	2412	105.89	-	-	94.74	27.5	17.09	33.44	299	271	A	V
													V
													V
802.11g CH 06 2437MHz		2375.44	53.22	-20.78	74	42.08	27.55	17.05	33.46	100	128	P	H
		2389.2	43	-11	54	31.88	27.52	17.06	33.46	100	128	A	H
	*	2437	111.24	-	-	100.04	27.5	17.13	33.43	100	128	P	H
	*	2437	103.24	-	-	92.04	27.5	17.13	33.43	100	128	A	H
		2484.88	53.58	-20.42	74	42.36	27.43	17.2	33.41	100	128	P	H
		2490.72	43.06	-10.94	54	31.83	27.42	17.21	33.4	100	128	A	H
		2389.68	55.34	-18.66	74	44.22	27.52	17.06	33.46	292	274	P	V
		2310.8	43	-11	54	31.82	27.68	16.99	33.49	292	274	A	V
	*	2437	114.53	-	-	103.33	27.5	17.13	33.43	292	274	P	V
	*	2437	106.86	-	-	95.66	27.5	17.13	33.43	292	274	A	V
		2485.36	54.86	-19.14	74	43.64	27.43	17.2	33.41	292	274	P	V
		2485.6	43.52	-10.48	54	32.3	27.43	17.2	33.41	292	274	A	V



802.11g CH 11 2462MHz	*	2462	108.03	-	-	96.8	27.48	17.17	33.42	110	140	P	H
	*	2462	100.58	-	-	89.35	27.48	17.17	33.42	110	140	A	H
		2484.15	56.81	-17.19	74	45.59	27.43	17.2	33.41	110	140	P	H
		2483.5	46.19	-7.81	54	34.97	27.43	17.2	33.41	110	140	A	H
													H
													H
	*	2462	113.23	-	-	102	27.48	17.17	33.42	100	276	P	V
	*	2462	105.44	-	-	94.21	27.48	17.17	33.42	100	276	A	V
		2484.05	62.35	-11.65	74	51.13	27.43	17.2	33.41	100	276	P	V
		2483.5	52.25	-1.75	54	41.03	27.43	17.2	33.41	100	276	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	107.47	-	-	96.25	27.47	17.17	33.42	100	126	P	H
	*	2467	99.77	-	-	88.55	27.47	17.17	33.42	100	126	A	H
		2485.55	55.3	-18.7	74	44.08	27.43	17.2	33.41	100	126	P	H
		2484.85	46.2	-7.8	54	34.98	27.43	17.2	33.41	100	126	A	H
													H
													H
	*	2467	111.82	-	-	100.6	27.47	17.17	33.42	300	278	P	V
	*	2467	104.44	-	-	93.22	27.47	17.17	33.42	300	278	A	V
		2484.45	59.89	-14.11	74	48.67	27.43	17.2	33.41	300	278	P	V
		2483.55	50.71	-3.29	54	39.49	27.43	17.2	33.41	300	278	A	V
													V
													V
802.11g CH 13 2472MHz	*	2472	105.47	-	-	94.24	27.46	17.18	33.41	117	127	P	H
	*	2472	97.78	-	-	86.55	27.46	17.18	33.41	117	127	A	H
		2485.8	57.29	-16.71	74	46.07	27.43	17.2	33.41	117	127	P	H
		2484.9	47.77	-6.23	54	36.55	27.43	17.2	33.41	117	127	A	H
													H
													H
	*	2472	108.91	-	-	97.68	27.46	17.18	33.41	301	274	P	V
	*	2472	101.24	-	-	90.01	27.46	17.18	33.41	301	274	A	V
		2483.55	61.8	-12.2	74	50.58	27.43	17.2	33.41	301	274	P	V
		2483.5	52.07	-1.93	54	40.85	27.43	17.2	33.41	301	274	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	41.36	-32.64	74	65.3	31	11.22	66.16	100	0	P	H
		17970	57.53	-16.47	74	52.01	46.8	23.87	65.15	100	0	P	H
		17970	49.03	-4.97	54	43.51	46.8	23.87	65.15	100	0	A	H
													H
													H
													H
		4824	38.17	-35.83	74	62.11	31	11.22	66.16	100	0	P	V
		17955	57.88	-16.12	74	52.69	46.5	23.86	65.17	100	0	P	V
		17955	48.51	-5.49	54	43.32	46.5	23.86	65.17	100	0	A	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	39.07	-34.93	74	62.43	31.43	11.33	66.12	100	0	P	H
		7311	43.89	-30.11	74	59.77	36.4	13.44	65.72	100	0	P	H
		17955	58.1	-15.9	74	52.91	46.5	23.86	65.17	100	0	P	H
		17955	48.79	-5.21	54	43.6	46.5	23.86	65.17	100	0	A	H
													H
													H
		4874	39.15	-34.85	74	62.51	31.43	11.33	66.12	100	0	P	V
		7311	43.52	-30.48	74	59.4	36.4	13.44	65.72	100	0	P	V
		17970	58.1	-15.9	74	52.58	46.8	23.87	65.15	100	0	P	V
		17970	48.75	-5.25	54	43.23	46.8	23.87	65.15	100	0	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 11 2462MHz		4924	40.59	-33.41	74	63.77	31.47	11.43	66.08	100	0	P	H
		7386	41.31	-32.69	74	57.13	36.4	13.54	65.76	100	0	P	H
		17865	57.67	-16.33	74	54.59	44.63	23.76	65.31	100	0	P	H
		17865	46.75	-7.25	54	43.67	44.63	23.76	65.31	100	0	A	H
													H
													H
		4924	41.49	-32.51	74	64.67	31.47	11.43	66.08	100	0	P	V
		7386	42.53	-31.47	74	58.35	36.4	13.54	65.76	100	0	P	V
		17955	58.72	-15.28	74	53.53	46.5	23.86	65.17	100	0	P	V
		17955	48.63	-5.37	54	43.44	46.5	23.86	65.17	100	0	A	V
													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		4934	42.41	-31.59	74	65.75	31.29	11.45	66.08	100	0	P	H
		7401	41.96	-32.04	74	57.77	36.4	13.56	65.77	100	0	P	H
		17970	58.29	-15.71	74	52.77	46.8	23.87	65.15	100	0	P	H
		17970	49.04	-4.96	54	43.52	46.8	23.87	65.15	100	0	A	H
													H
													H
		4934	42.07	-31.93	74	65.41	31.29	11.45	66.08	100	0	P	V
		7401	42.59	-31.41	74	58.4	36.4	13.56	65.77	100	0	P	V
		17970	58.8	-15.2	74	53.28	46.8	23.87	65.15	100	0	P	V
		17970	48.75	-5.25	54	43.23	46.8	23.87	65.15	100	0	A	V
													V
													V
802.11g CH 13 2472MHz		4944	43.21	-30.79	74	66.7	31.11	11.47	66.07	100	0	P	H
		7416	42.56	-31.44	74	58.24	36.46	13.64	65.78	100	0	P	H
		17940	58.24	-15.76	74	53.39	46.2	23.84	65.19	100	0	P	H
		17940	48.36	-5.64	54	43.51	46.2	23.84	65.19	100	0	A	H
													H
													H
		4944	39.41	-34.59	74	62.9	31.11	11.47	66.07	100	0	P	V
		7416	43.48	-30.52	74	59.16	36.46	13.64	65.78	100	0	P	V
		17955	58.32	-15.68	74	53.13	46.5	23.86	65.17	100	0	P	V
		17955	48.41	-5.59	54	43.22	46.5	23.86	65.17	100	0	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 (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		2389.38	60.09	-13.91	74	48.97	27.52	17.06	33.46	103	129	P	H
		2390	49.2	-4.8	54	38.08	27.52	17.06	33.46	103	129	A	H
	*	2412	108.8	-	-	97.65	27.5	17.09	33.44	103	129	P	H
	*	2412	101.54	-	-	90.39	27.5	17.09	33.44	103	129	A	H
													H
													H
		2389.8	63.22	-10.78	74	52.1	27.52	17.06	33.46	299	268	P	V
		2389.8	51.41	-2.59	54	40.29	27.52	17.06	33.46	299	268	A	V
	*	2412	112.13	-	-	100.98	27.5	17.09	33.44	299	268	P	V
	*	2412	104.38	-	-	93.23	27.5	17.09	33.44	299	268	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2390	54.04	-19.96	74	42.92	27.52	17.06	33.46	101	128	P	H
		2387.92	43.04	-10.96	54	31.92	27.52	17.06	33.46	101	128	A	H
	*	2437	109.93	-	-	98.73	27.5	17.13	33.43	101	128	P	H
	*	2437	102.36	-	-	91.16	27.5	17.13	33.43	101	128	A	H
		2490.48	53.25	-20.75	74	42.02	27.42	17.21	33.4	101	128	P	H
		2483.92	43.28	-10.72	54	32.06	27.43	17.2	33.41	101	128	A	H
		2387.76	55.41	-18.59	74	44.29	27.52	17.06	33.46	291	274	P	V
		2371.6	43.27	-10.73	54	32.13	27.56	17.04	33.46	291	274	A	V
	*	2437	112.83	-	-	101.63	27.5	17.13	33.43	291	274	P	V
	*	2437	105.64	-	-	94.44	27.5	17.13	33.43	291	274	A	V
		2483.52	57.2	-16.8	74	45.98	27.43	17.2	33.41	291	274	P	V
		2483.6	44.18	-9.82	54	32.96	27.43	17.2	33.41	291	274	A	V



802.11n HT20 CH 11 2462MHz	*	2462	107.62	-	-	96.39	27.48	17.17	33.42	107	140	P	H
	*	2462	99.63	-	-	88.4	27.48	17.17	33.42	107	140	A	H
		2483.95	56.75	-17.25	74	45.53	27.43	17.2	33.41	107	140	P	H
		2483.8	46.33	-7.67	54	35.11	27.43	17.2	33.41	107	140	A	H
													H
													H
	*	2462	112.44	-	-	101.21	27.48	17.17	33.42	295	274	P	V
	*	2462	104.16	-	-	92.93	27.48	17.17	33.42	295	274	A	V
		2483.55	61.02	-12.98	74	49.8	27.43	17.2	33.41	295	274	P	V
		2483.5	50.44	-3.56	54	39.22	27.43	17.2	33.41	295	274	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	104.78	-	-	93.56	27.47	17.17	33.42	114	127	P	H
	*	2467	97.48	-	-	86.26	27.47	17.17	33.42	114	127	A	H
		2484.7	55.53	-18.47	74	44.31	27.43	17.2	33.41	114	127	P	H
		2484.15	45.75	-8.25	54	34.53	27.43	17.2	33.41	114	127	A	H
													H
													H
	*	2467	110.94	-	-	99.72	27.47	17.17	33.42	103	294	P	V
	*	2467	103.25	-	-	92.03	27.47	17.17	33.42	103	294	A	V
		2483.9	61.31	-12.69	74	50.09	27.43	17.2	33.41	103	294	P	V
		2483.65	51.34	-2.66	54	40.12	27.43	17.2	33.41	103	294	A	V
													V
													V
802.11n HT20 CH 13 2472MHz	*	2472	102.61	-	-	91.38	27.46	17.18	33.41	118	128	P	H
	*	2472	95.07	-	-	83.84	27.46	17.18	33.41	118	128	A	H
		2484.7	56.35	-17.65	74	45.13	27.43	17.2	33.41	118	128	P	H
		2484.2	46.67	-7.33	54	35.45	27.43	17.2	33.41	118	128	A	H
													H
													H
	*	2472	106.65	-	-	95.42	27.46	17.18	33.41	116	269	P	V
	*	2472	99.58	-	-	88.35	27.46	17.18	33.41	116	269	A	V
		2483.95	60.87	-13.13	74	49.65	27.43	17.2	33.41	116	269	P	V
		2483.5	51.39	-2.61	54	40.17	27.43	17.2	33.41	116	269	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	40.89	-33.11	74	64.83	31	11.22	66.16	100	0	P	H
		17955	59.61	-14.39	74	54.42	46.5	23.86	65.17	100	0	P	H
		17955	48.46	-5.54	54	43.27	46.5	23.86	65.17	100	0	A	H
													H
													H
													H
		4824	39.91	-34.09	74	63.85	31	11.22	66.16	100	0	P	V
		17955	59.19	-14.81	74	54	46.5	23.86	65.17	100	0	P	V
		17955	48.49	-5.51	54	43.3	46.5	23.86	65.17	100	0	A	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4874	40.08	-33.92	74	63.44	31.43	11.33	66.12	100	0	P	H
		7311	42.94	-31.06	74	58.82	36.4	13.44	65.72	100	0	P	H
		17955	57.88	-16.12	74	52.69	46.5	23.86	65.17	100	0	P	H
		17955	48.6	-5.4	54	43.41	46.5	23.86	65.17	100	0	A	H
													H
													H
		4874	39.45	-34.55	74	62.81	31.43	11.33	66.12	100	0	P	V
		7311	43.43	-30.57	74	59.31	36.4	13.44	65.72	100	0	P	V
		17955	58.83	-15.17	74	53.64	46.5	23.86	65.17	100	0	P	V
		17955	48.52	-5.48	54	43.33	46.5	23.86	65.17	100	0	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	42.59	-31.41	74	65.77	31.47	11.43	66.08	100	0	P	H
		7386	41.87	-32.13	74	57.69	36.4	13.54	65.76	100	0	P	H
		17955	59.27	-14.73	74	54.08	46.5	23.86	65.17	100	0	P	H
		17955	48.91	-5.09	54	43.72	46.5	23.86	65.17	100	0	A	H
													H
													H
		4924	43.58	-30.42	74	66.76	31.47	11.43	66.08	100	0	P	V
		7386	42.52	-31.48	74	58.34	36.4	13.54	65.76	100	0	P	V
		17955	59.04	-14.96	74	53.85	46.5	23.86	65.17	100	0	P	V
		17955	48.71	-5.29	54	43.52	46.5	23.86	65.17	100	0	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		4934	40.88	-33.12	74	64.22	31.29	11.45	66.08	100	0	P	H
		7401	42.24	-31.76	74	58.05	36.4	13.56	65.77	100	0	P	H
		17985	58.19	-15.81	74	52.32	47.1	23.89	65.12	100	0	P	H
		17985	49.04	-4.96	54	43.17	47.1	23.89	65.12	100	0	A	H
													H
													H
		4934	39.15	-34.85	74	62.49	31.29	11.45	66.08	100	0	P	V
		7401	41.31	-32.69	74	57.12	36.4	13.56	65.77	100	0	P	V
		17955	59.58	-14.42	74	54.39	46.5	23.86	65.17	100	0	P	V
		17955	47.91	-6.09	54	42.72	46.5	23.86	65.17	100	0	A	V
													V
													V
802.11n HT20 CH 13 2472MHz		4944	39.74	-34.26	74	63.23	31.11	11.47	66.07	100	0	P	H
		7416	40.77	-33.23	74	56.45	36.46	13.64	65.78	100	0	P	H
		17970	58.35	-15.65	74	52.83	46.8	23.87	65.15	100	0	P	H
		17970	48.23	-5.77	54	42.71	46.8	23.87	65.15	100	0	A	H
													H
													H
		4944	39.35	-34.65	74	62.84	31.11	11.47	66.07	100	0	P	V
		7416	42.13	-31.87	74	57.81	36.46	13.64	65.78	100	0	P	V
		17970	58.18	-15.82	74	52.66	46.8	23.87	65.15	100	0	P	V
		17970	48.62	-5.38	54	43.1	46.8	23.87	65.15	100	0	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

2.4GHz WIFI 802.11g (SHF)

[illegible]

Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

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)
2.4GHz 802.11g LF		63.95	21.09	-18.91	40	40.62	11.77	1.24	32.54	-	-	P	H
		96.93	27.66	-15.84	43.5	43.14	15.51	1.51	32.5	-	-	P	H
		204.6	22.22	-21.28	43.5	37.56	14.99	2.19	32.52	-	-	P	H
		829.28	29.4	-16.6	46	28.3	28.25	4.33	31.48	-	-	P	H
		888.45	30.37	-15.63	46	27.93	29.16	4.53	31.25	-	-	P	H
		954.41	30.89	-15.11	46	26.14	30.89	4.71	30.85	100	0	P	H
													H
													H
													H
													H
													H
													H
		44.55	31.72	-8.28	40	46.31	16.88	1.05	32.52	100	191	Q	V
		63.95	31.25	-8.75	40	50.78	11.77	1.24	32.54	-	-	P	V
		94.02	27.35	-16.15	43.5	43.24	15.13	1.49	32.51	-	-	P	V
		806	28.92	-17.08	46	28.02	28.22	4.26	31.58	-	-	P	V
		888.45	30.34	-15.66	46	27.9	29.16	4.53	31.25	-	-	P	V
		957.32	32.63	-13.37	46	27.72	31.02	4.72	30.83	-	-	P	V
													V
													V
													V
													V
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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”.



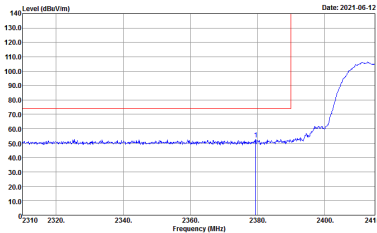
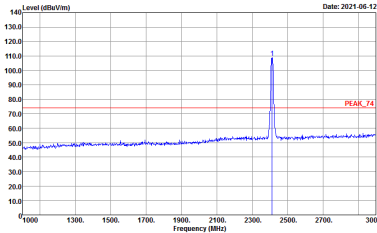
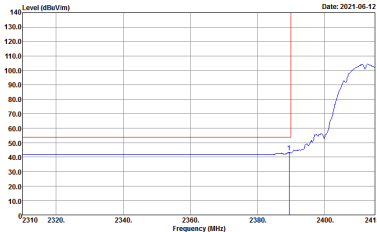
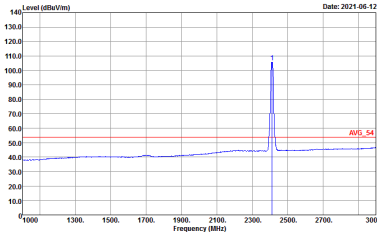
Appendix D. Radiated Spurious Emission Plots

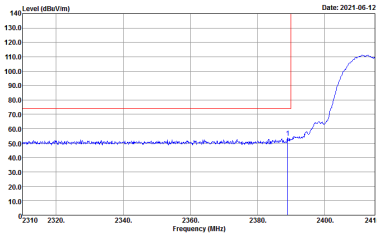
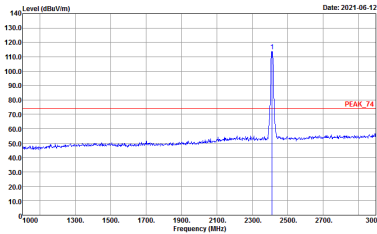
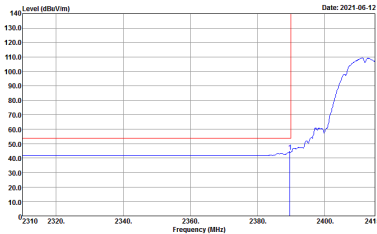
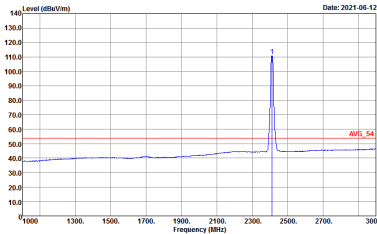
Test Engineer :	Harvey Guo, Fu Chen and Troye Hsieh	Temperature :	18.1~24.5°C
		Relative Humidity :	56.5~69.9%

Note symbol

-L	Low channel location
-R	High channel location

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

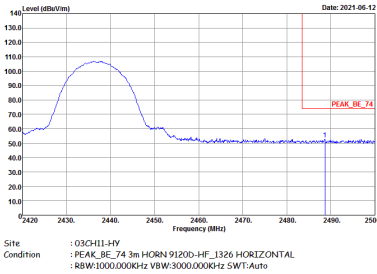
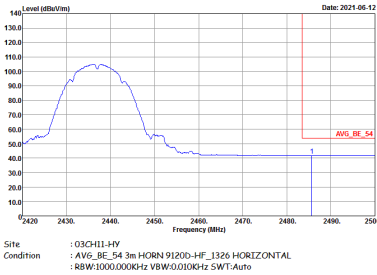
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AV6_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AV6_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
4+3	Horizontal	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

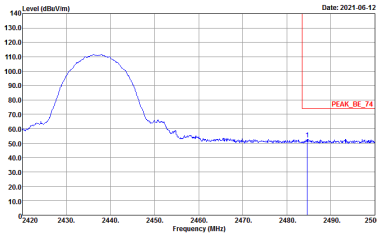
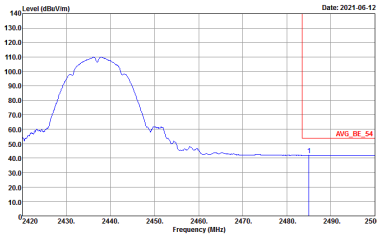


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

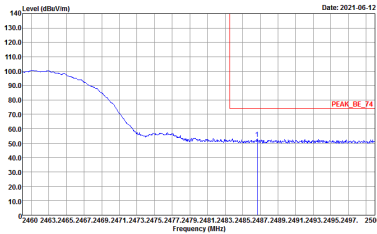
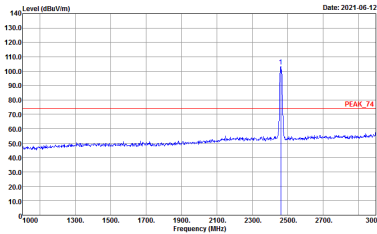
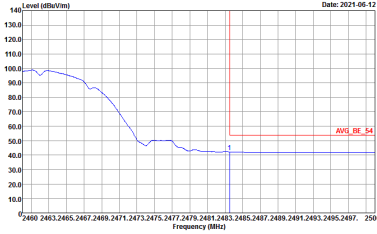
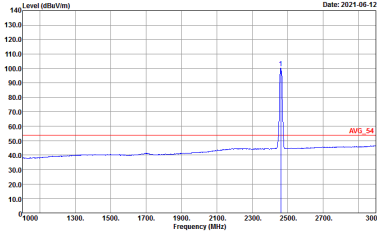


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

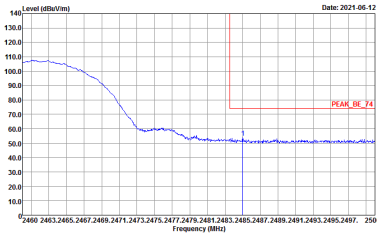
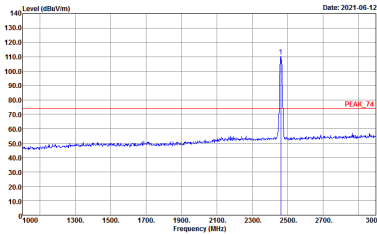
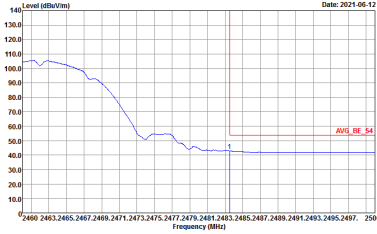
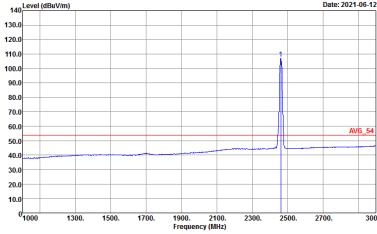


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

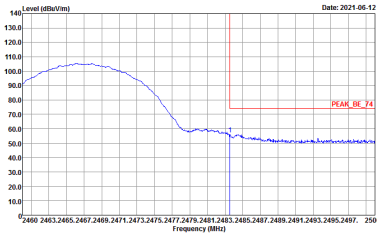
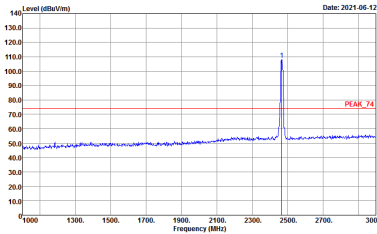
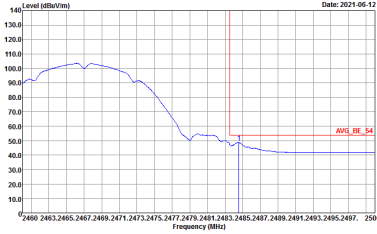
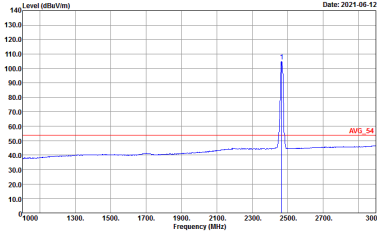


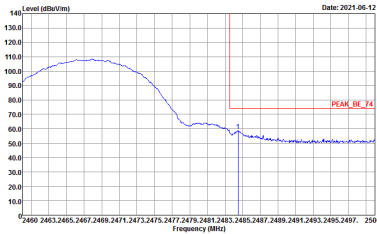
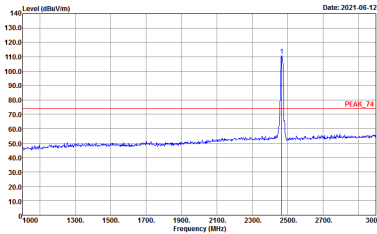
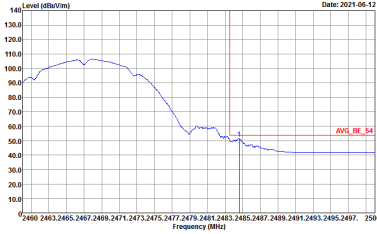
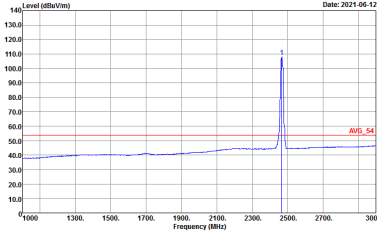
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

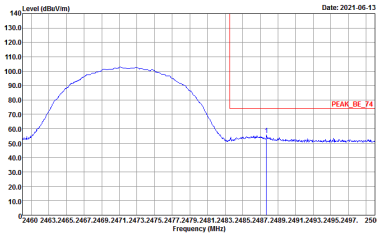
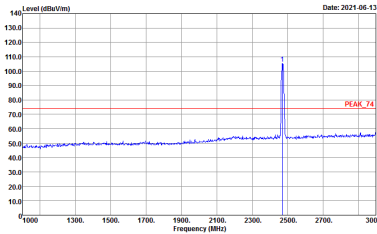
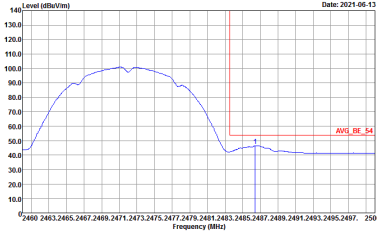
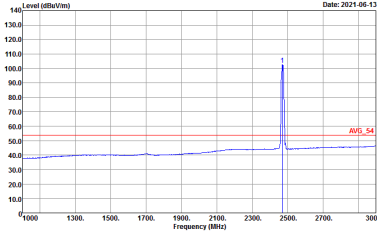


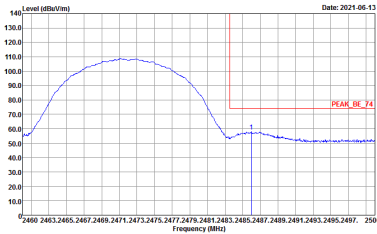
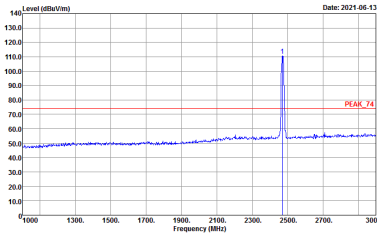
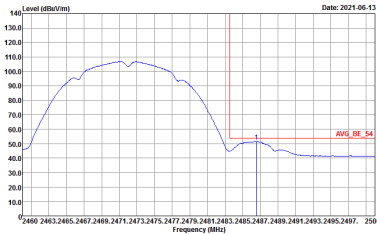
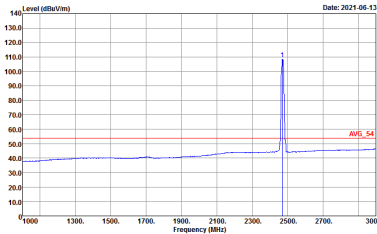
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AV6_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AV6_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		



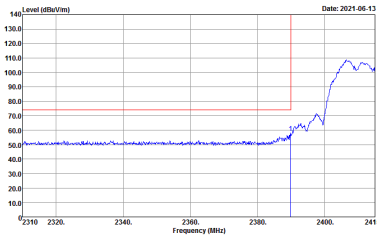
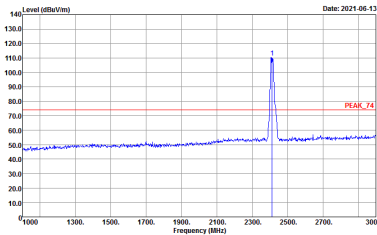
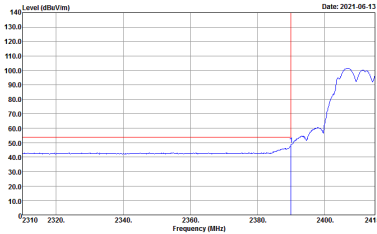
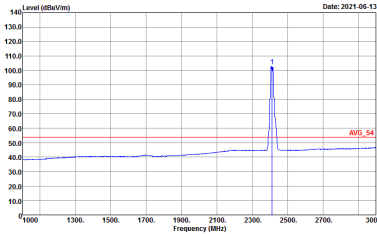
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

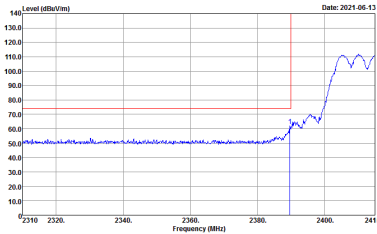
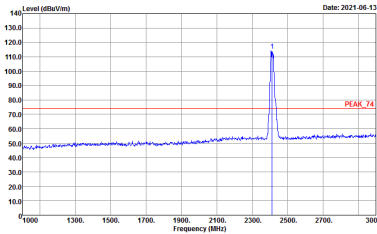
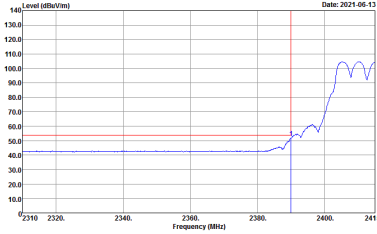
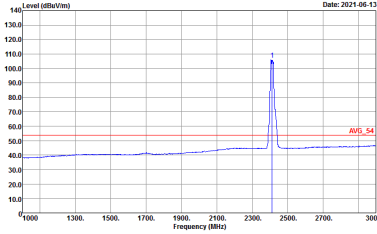
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

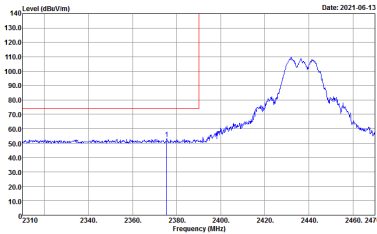
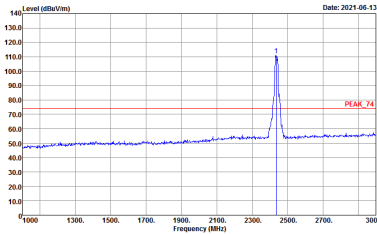
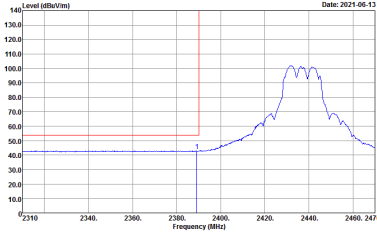
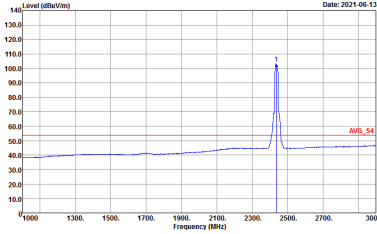
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI1-HY Condition : AV6_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CHI1-HY Condition : AV6_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto

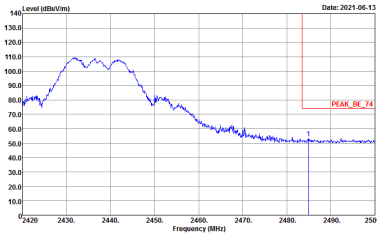
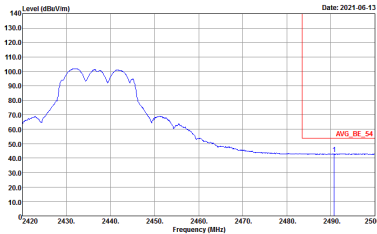
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

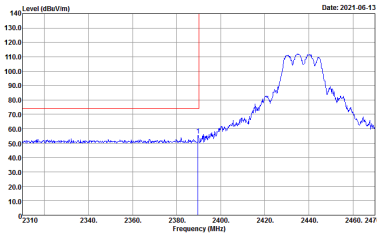
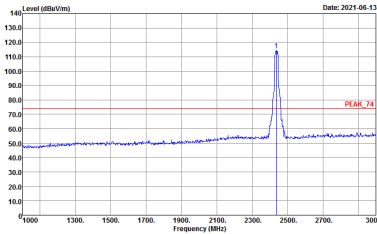
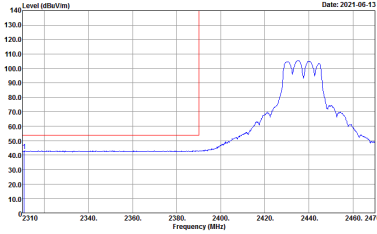
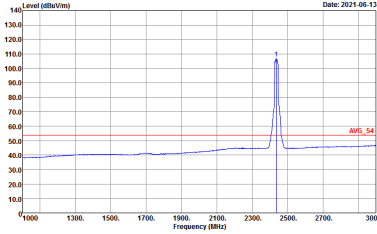
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AV6_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : AV6_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

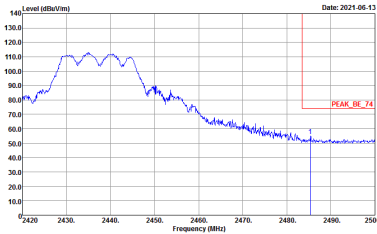
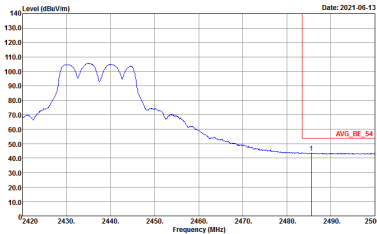
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI1-HY Condition : AV6_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI1-HY Condition : AV6_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		



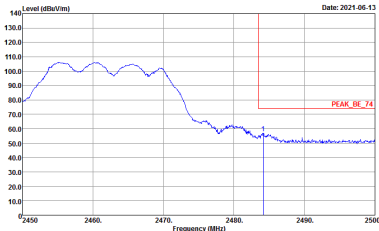
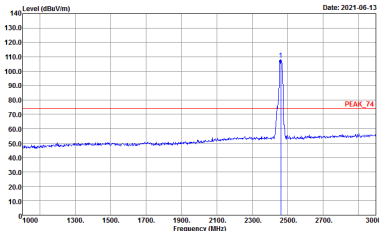
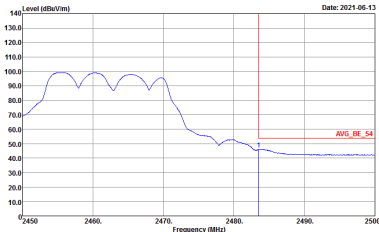
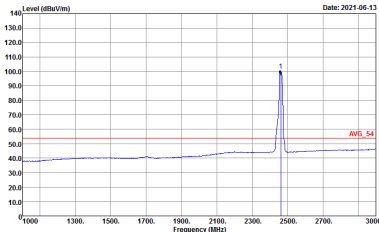
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000kHz VBW:10000Hz 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 : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AV6_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : AV6_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

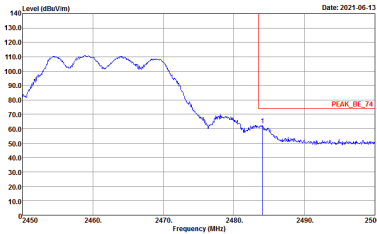
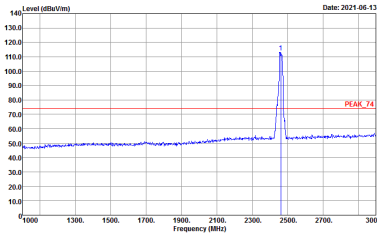
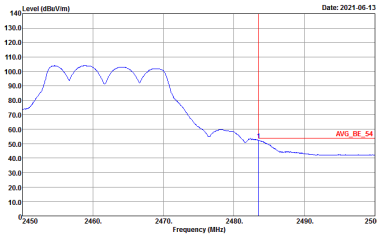
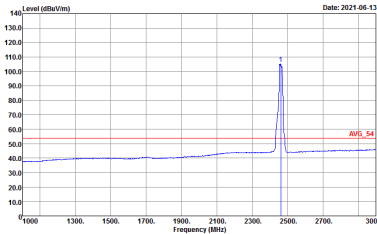


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left Blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left Blank

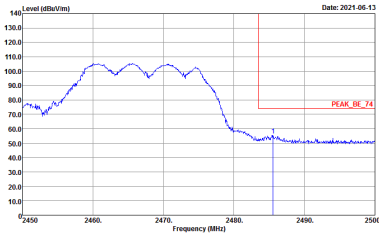
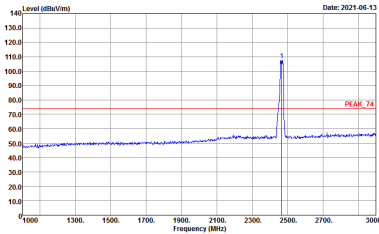
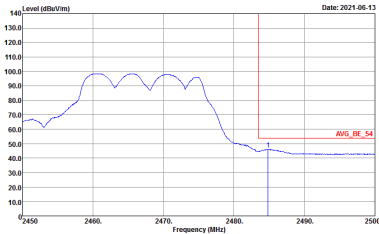
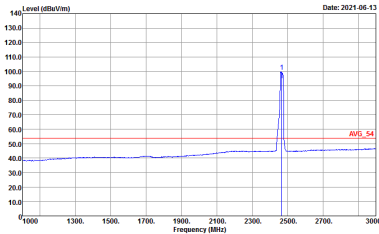


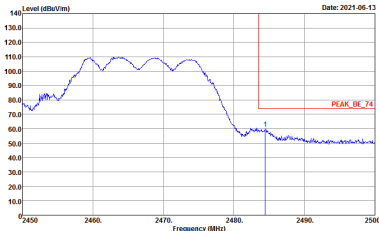
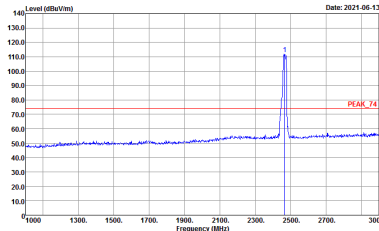
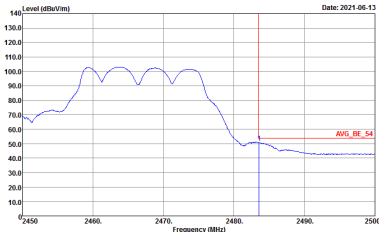
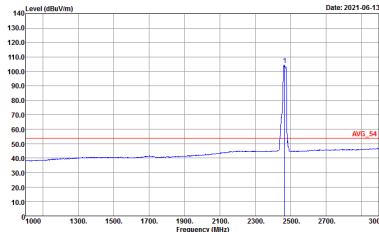
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



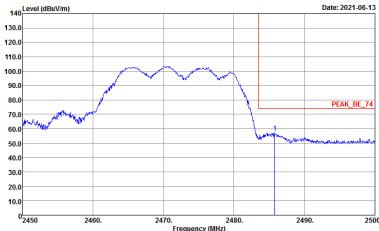
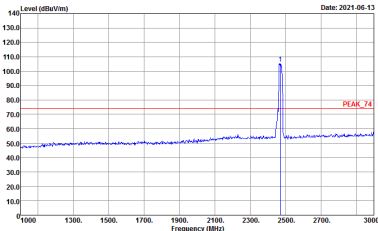
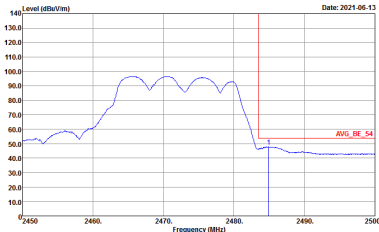
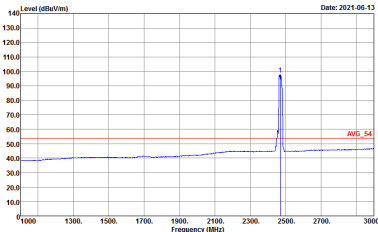
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		



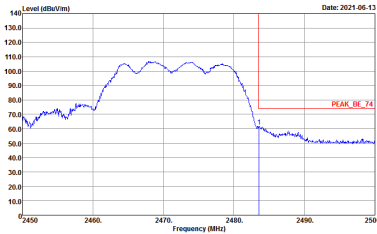
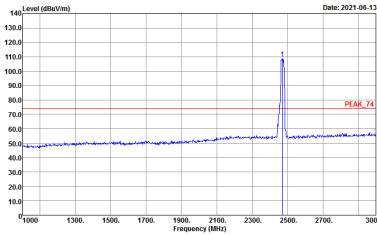
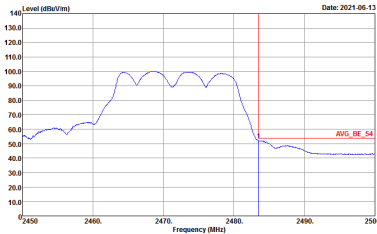
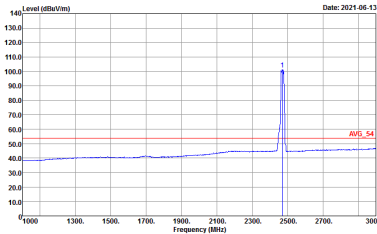
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
4+3	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto PEAK_BE_74	 Level (dBuV/m) Frequency (MHz) Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto PEAK_74
	 Level (dBuV/m) Frequency (MHz) Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto AVG_BE_54	 Level (dBuV/m) Frequency (MHz) Site : 03CHI1-HY Condition : AVG_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto AVG_54

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

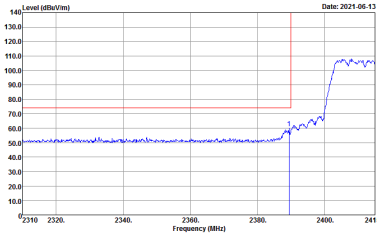
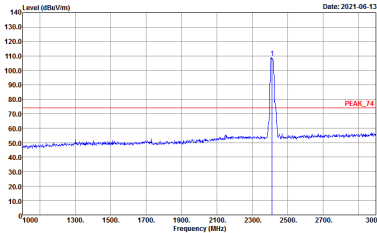
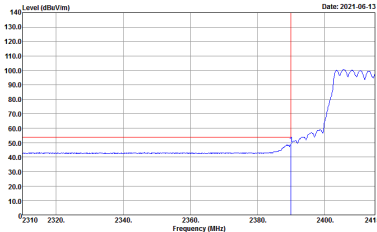
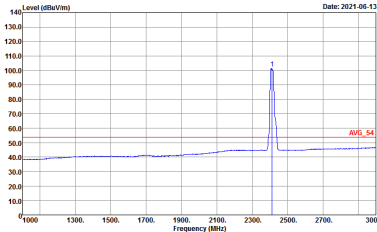


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
4+3	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto PEAK_BE_74	 Level (dBuV/m) Frequency (MHz) Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto PEAK_74
Avg.	 Level (dBuV/m) Frequency (MHz) Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto AVG_BE_54	 Level (dBuV/m) Frequency (MHz) Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto AVG_54

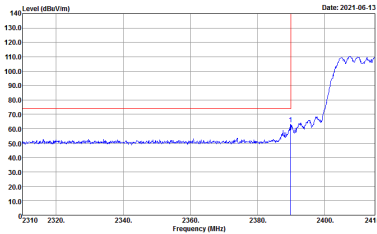
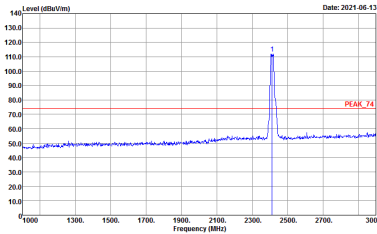
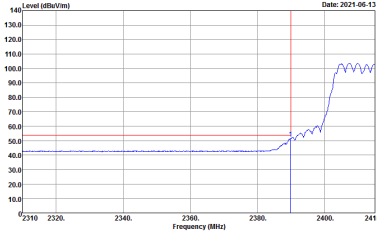
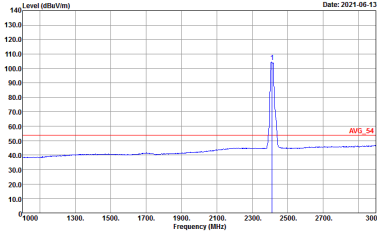


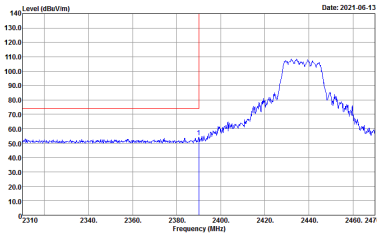
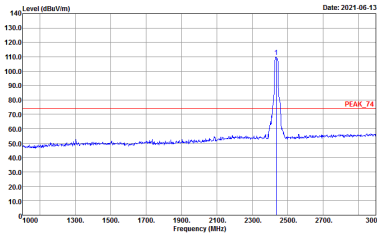
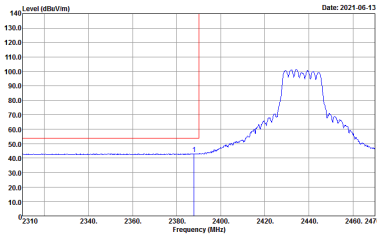
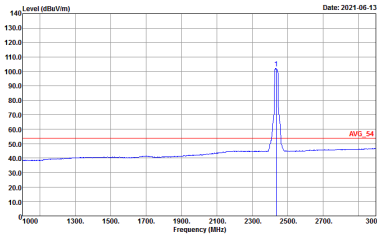
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : : AVG_54 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

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

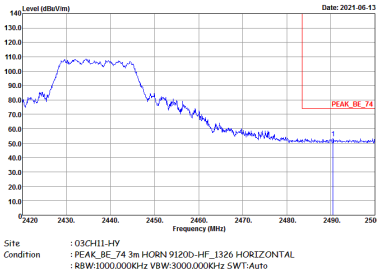
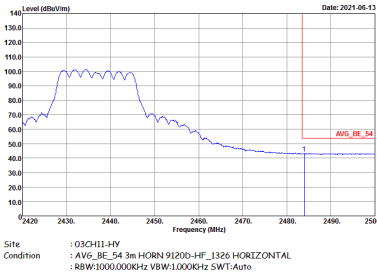
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

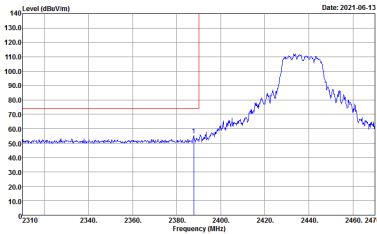
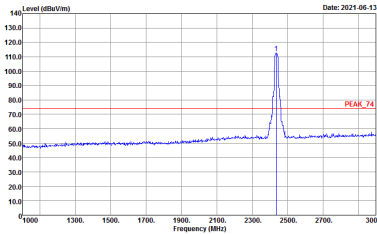
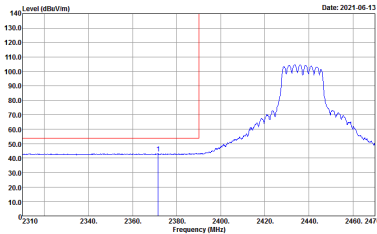
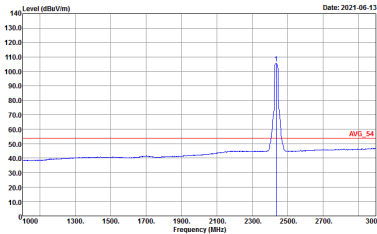


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

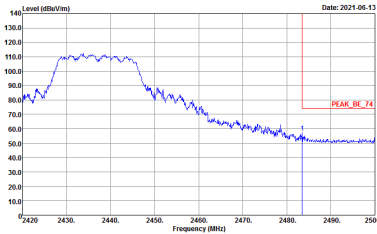
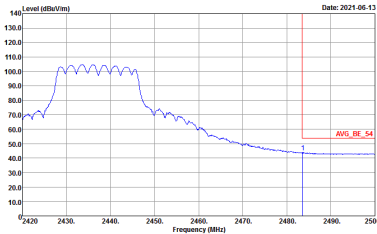
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		



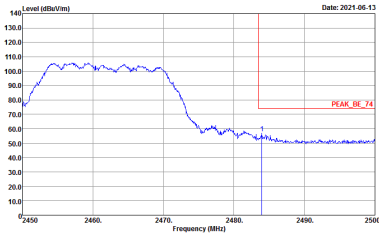
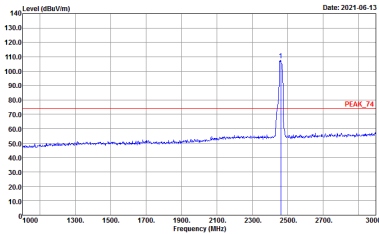
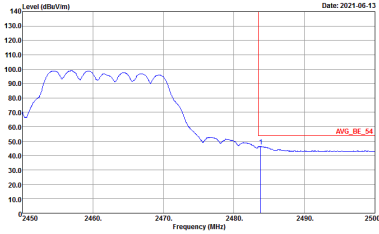
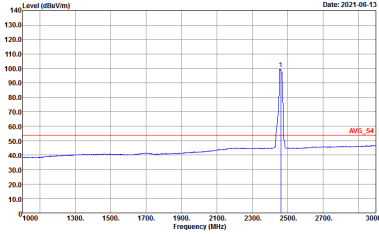
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
4+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2021-06-13	Left Blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Date: 2021-06-13	Left Blank

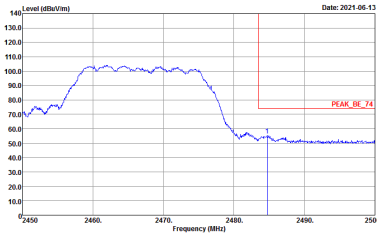
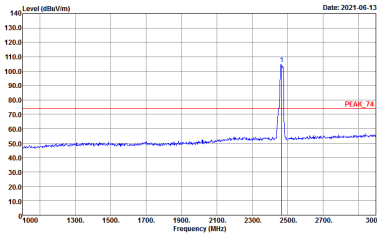
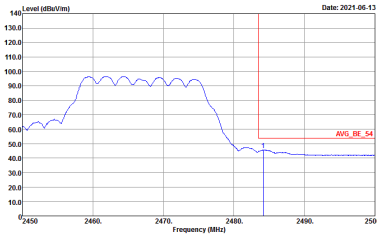
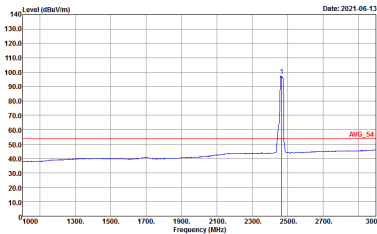


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
4+3	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Level (dBuV/m) Frequency (MHz) Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Level (dBuV/m) Frequency (MHz) Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Level (dBuV/m) Frequency (MHz) Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

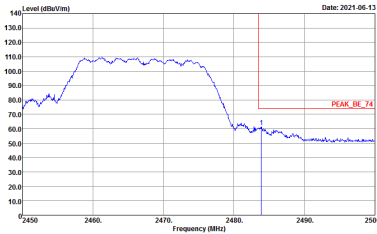
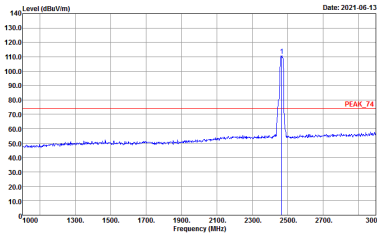
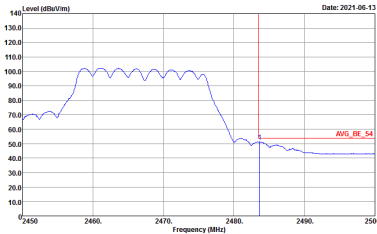
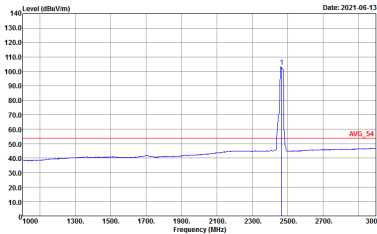


WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
4+3	Vertical	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

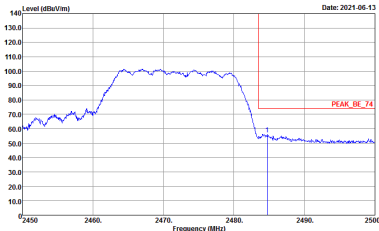
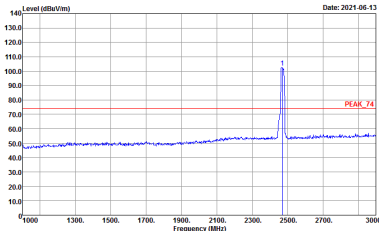
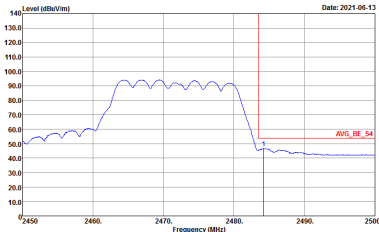
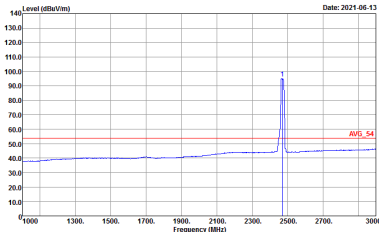


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

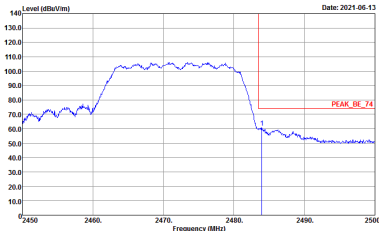
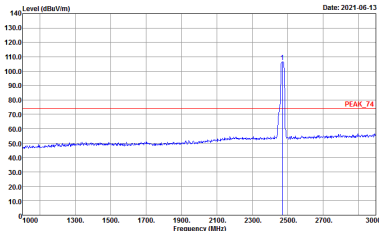
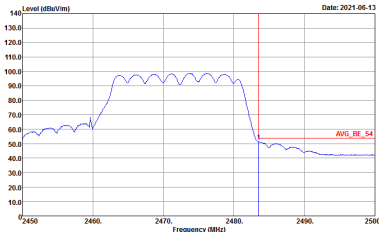
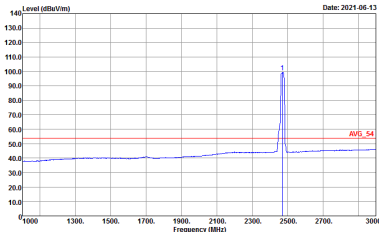


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m HORN 9120D-HF_1326 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	 Level (dBuV/m) Frequency (MHz) Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Level (dBuV/m) Frequency (MHz) Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Level (dBuV/m) Frequency (MHz) Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Level (dBuV/m) Frequency (MHz) Site : 03CHI1-HY Condition : AVG_54 3m HORN 9120D-HF_1326 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

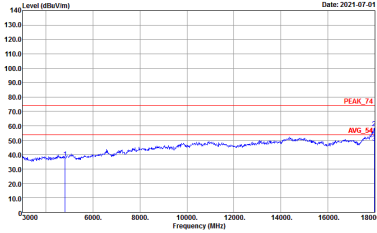
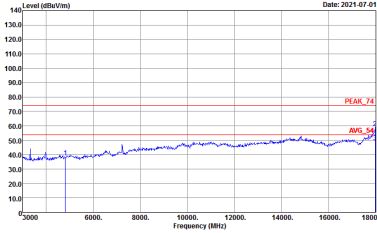


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m HORN 9120D-HF_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz 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+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-07-01 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBuV/m) Date: 2021-07-01 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL

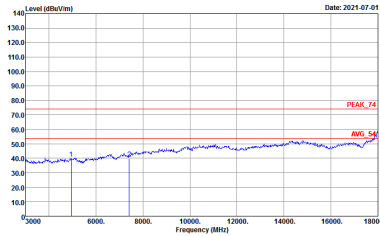
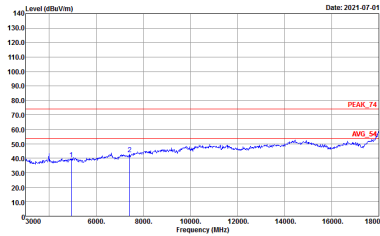


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-07-01 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBuV/m) Date: 2021-07-01 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH12 2467MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-07-01 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBuV/m) Date: 2021-07-01 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL

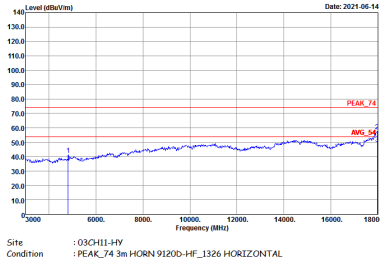
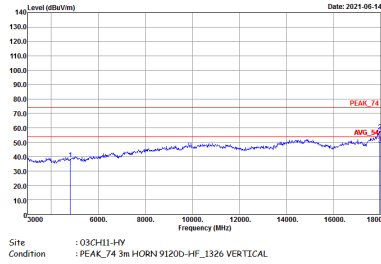


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH13 2472MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



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 : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-06-14 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBuV/m) Date: 2021-06-14 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBu/V/m) Date: 2021-06-14 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBu/V/m) Date: 2021-06-14 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH12 2467MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-06-14 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBuV/m) Date: 2021-06-14 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL

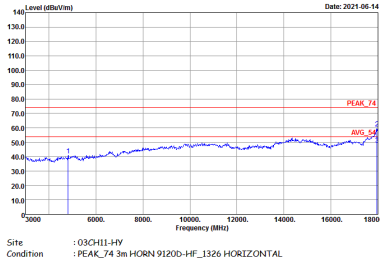
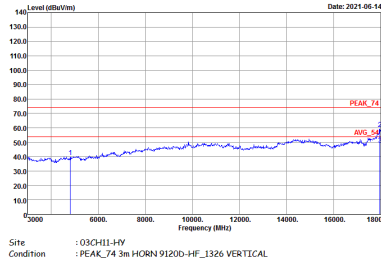


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH13 2472MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-06-14 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBuV/m) Date: 2021-06-14 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL

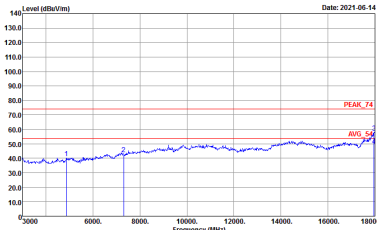
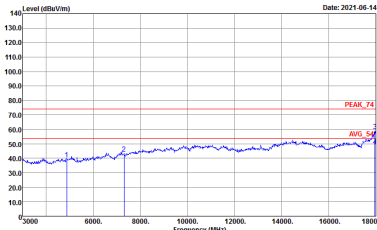


2.4GHz 2400~2483.5MHz

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 : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-06-14 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBuV/m) Date: 2021-06-14 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL

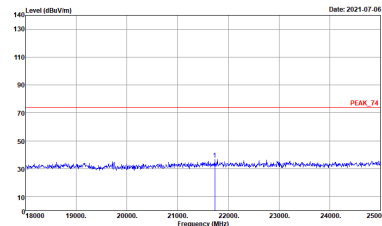
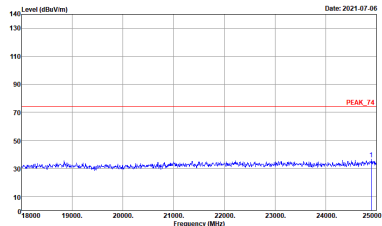


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH12 2462MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBu/V/m) Date: 2021-07-01 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBu/V/m) Date: 2021-07-01 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-07-01 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 HORIZONTAL	Level (dBuV/m) Date: 2021-07-01 Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF_1326 VERTICAL

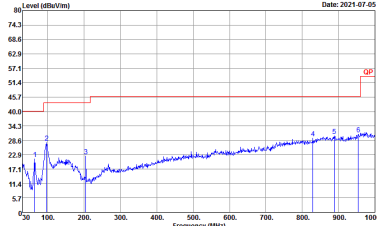
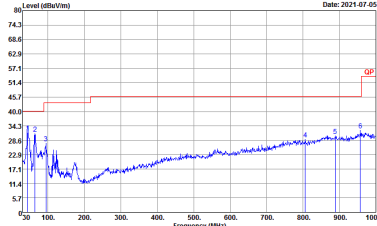
Emission above 18GHz
2.4GHz WIFI 802.11g (SHF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g SHF	
4+3	Horizontal	Vertical
Peak / Avg.	 Site : 03CH11-HY Condition : PEAK_74 1m SHF_00991_210512 HORIZONTAL	 Site : 03CH11-HY Condition : PEAK_74 1m SHF_00991_210512 VERTICAL



Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

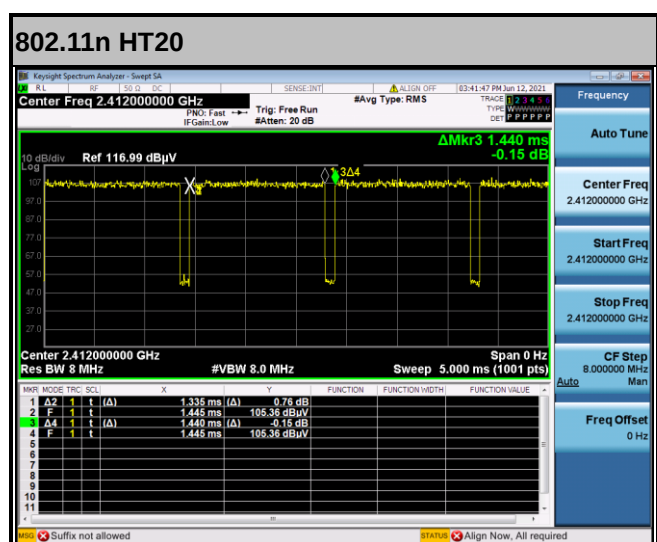
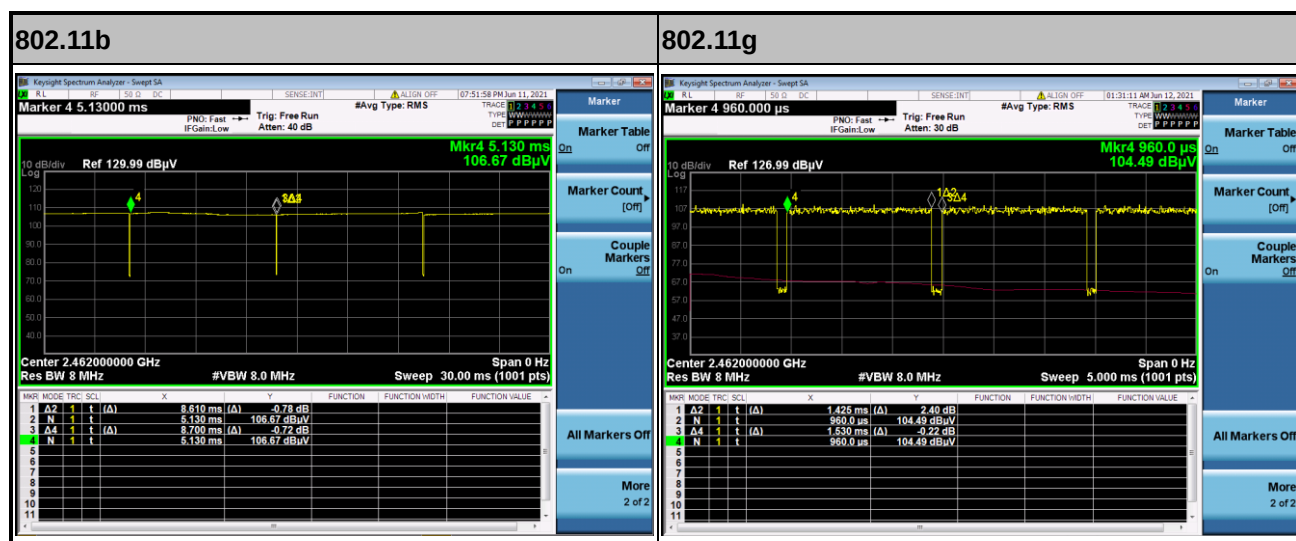
WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g LF	
4+3	Horizontal	Vertical
QP / Peak	 Site : 03CHI1-HY Condition : QP 3m BE-LOG 6111D-LF_ETC HORIZONTAL	 Site : 03CHI1-HY Condition : QP 3m BE-LOG 6111D-LF_ETC VERTICAL



Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
4+3	802.11b	98.97	-	-	10Hz
4+3	802.11g	93.14	1425	0.70	1kHz
4+3	2.4GHz 802.11n HT20	92.71	1335	0.75	1kHz

MIMO <Ant. 4+3>



—THE END—